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THE CITY RECORD.

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TABLE OF CONTENTS.

Aldermen, Board of—
Minutes of Stated Meeting of February 6, 1912 1149
Assessors, Board of—
Completion of Assessment, Notice of. 1255
Notice of Hearing in Relation to the Former Town of Gravesend 1255
Board Meetings 1251
Bridges, Department of—
Proposals 1252
Bronx, Borough of—
Proposals 1251
Brooklyn, Borough of—
Proposals 1256
Changes in Departments, etc 1248
Change of Grade Damage Commission—
Time and Place of Meetings 1255
Correction, Department of—
Proposals 1256
Docks and Ferries, Department of—
Proposals 1260
Education, Department of—
Contracts Entered Into 1149
Proposals 1261
Elections, Board of—
Proposals 1260
Estimate and Apportionment, Board of—
Franchise Matters, Notice of Hearings on 1258
Minutes of Meeting of February 1, 1912 (Financial and Franchise Matters) 1165
Public Improvement Matters, Notice of Hearings on 1257
Finance, Department of—
Confirmation of Assessments, Notice of 1254
Corporation Sales 1253
Interest on City Bonds and Stock 1253
Notice of Sales of Tax Liens, etc 1253
Sureties on Contracts 1253
Fire Department—
Proposals 1252
Health, Department of—
Abstract of the Minutes of January 30, 1912 1248
Notice of Amendment of the Sanitary Code 1252
Report for Week Ending January 13, 1912 1247
Instruction to Bidders for Work to be Done or Supplies to be Furnished 1264
Manhattan, Borough of—
Meeting of Local Board of Washington Heights District of January 30, 1912 1246
Proposals 1255
Municipal Civil Service Commission—
Amendments of the Classification 1251
Estimator, Notice of Examination for Position of 1252
Patrolman, Police Department, Notice of Examination for Position of ... 1252
Notice to Bidders at Sales of Old Buildings, etc 1264
Official Directory 1248
Parks, Department of—
Abstract of Proceedings of Park Board for Week Ending February 3, 1912 1247
Proposals 1252
Police Department—
Auction Sale, Notice of 1252
Owners Wanted for Unclaimed Property 1252
Public Charities, Department of—
Proposals 1255
Public Service Commission, First District—
Calendar for Week Commencing February 5, 1912 1149
Richmond, Borough of—
Proposals 1260
Report of Operations of Bureau of Buildings for Week Ending January 27, 1912 1246
Street Cleaning, Department of—
Proposals 1256
Supreme Court, First Department—
Acquiring Title to Lands, etc 1261
Supreme Court, Second Department—
Acquiring Title to Lands, etc 1262
Supreme Court, Third Judicial District—
Acquiring Title to Lands, etc 1264
Water Supply, Board of—
Abstract of Expenditures and Liabilities During Month of January, 1912 1247
Proposals 1256
Water Supply, Gas and Electricity, Department of—
Proposals 1255

PUBLIC SERVICE COMMISSION—FIRST DISTRICT.

No. 154 NASSAU STREET, NEW YORK CITY.

Calendar for Week Commencing February 5, 1912.

Thursday, February 8, 1912—2.30 p. m.—Room 310—Case No. 1453—Consolidated Gas Company of New York—"Application for authorization of purchase of stock of New York and Queens Electric Light and Power Company and New York and Queens Gas Company."—Commissioner Maltbie. 2.30 p. m.—Room 305—Case No. 1369—Street Railroad Corporations—"Rehearing as to brakes on surface cars operated in the City of New York."—Commissioner Eustis.

Friday, February 9, 1912—11.00 a. m.—Room 305—Degnon Contracting Company—"Arbitration, City's Appeal."—H. H. Whitman, of Counsel. 11.00 a. m.—Room 305—Degnon Contracting Company—"Arbitration No. 2, Contractor's Appeal."—H. H. Whitman, of Counsel. 2.30 p. m.—Room 310—Case No. 1426—Street Railroad Corporations—"Heating, heating regulations and ventilation in closed passenger cars."—Whole Commission. 3.00 p. m.—Room 305—Case No. 1393—Interborough Rapid Transit Company—"Eight-car trains during rush hours on elevated lines."—Commissioner Eustis. 3.00 p. m.—Room 305—Case No. 1418—Interborough Rapid Transit Company—"Improvements to cars, tracks and stations on elevated lines."—Commissioner Eustis.

Meetings of Committee of the Whole held on Tuesday, Wednesday, Thursday and Friday, 10.30 a. m., in the Committee Room.

Regular meetings of the Commission held on Tuesday and Friday at 12 noon—Room 310.

Board of Education

February 1, 1912.

The Board of Education has entered into contracts with the following-named contractors:

Schieffelin & Co., 170 William st., city, for furnishing general supplies for the year ending December 31, 1912; surety, American Surety Company.

Baron Printing Company, 176 Park row, city, for furnishing general supplies for the year ending December 31, 1912; surety, Massachusetts Bonding and Insurance Company.

Granite City Soap Company, Newburgh, N. Y., for furnishing general supplies for the year ending December 31, 1912; surety, National Surety Company.

Louis S. Gimbel, 33d st. and 6th ave., city, for furnishing general supplies for the year ending December 31, 1912; surety, United States Fidelity and Guaranty Company.

Geo. T. Montgomery, 105 Fulton st., city, for furnishing general supplies for the year ending December 31, 1912; surety, Massachusetts Bonding and Insurance Company.

L. Sonneborn Sons, Inc., 262 Pearl st., city, for furnishing general supplies for the year ending December 31, 1912; surety, American Surety Company.

Talens & Son, Irvington, N. J., for furnishing general suplies for the year ending December 31, 1912; surety, American Surety Company.

Clarence S. Nathan, 9 Franklin st., city, for furnishing general supplies for the year ending December 31, 1912; surety, Title Guarantee and Surety Company.

Wm. Werner, 657 Vanderbilt st., Brooklyn, for alterations, etc., to fire escapes at Hall of the Board of Education, Manhattan; surety, Title Guaranty and Surety Company.

P. Derby & Co., Inc., 449 Communipaw ave., Jersey City, N. J., for furniture, Item 5, for Washington Irving High School, Manhattan; surety, National Surety Company.

Narragansett Machine Company, Providence, R. I., for furniture, Items 10 and 11, for Washington Irving High School; surety, Fidelity and Deposit Company of Maryland.

A. E. PALMER, Secretary.

THE BOARD OF ALDERMEN OF THE CITY OF NEW YORK.

STATED MEETING.

Tuesday, February 6, 1912, 1.30 o'Clock P. M.

The Board met in the Aldermanic Chamber, City Hall.

In the absence of the President the Vice-Chairman took the chair.

Present:

Aldermen

Ardolph L. Kline, Vice-Chairman.	John T. Eagan.	James J. Molen.
Niles R. Becker.	Edward Eichhorn.	Jesse D. Moore.
Daniel M. Bedell.	O. Grant Esterbrook.	George A. Morrison.
John A. Bolles.	William Fink.	Otto Muhlbauer.
John H. Boschen.	John S. Gaynor.	Thomas J. Mulligan.
Robert H. Bosse.	Otto C. Gelbke.	Courtlandt Nicoll.
William D. Brush.	Edward V. Gilmore.	James J. Nugent.
Michael Carberry.	Henry F. Grimm.	George M. O'Connor.
Charles P. Cole.	John W. Hagenmiller.	John J. O'Rourke.
Hugh J. Cummuskey.	James Hamilton.	William H. Pendry.
Frank Cunningham.	Joseph M. Hannon.	Charles A. Post.
Henry H. Curran.	Abram W. Herbst.	John J. Reardon.
Percy L. Davis.	William P. Kenneally.	W. Augustus Shipley.
Charles Delaney.	Francis P. Kenney.	James J. Smith.
James L. Devine.	Nathan Lieberman.	Michael Stapleton.
John Diemer.	John Loos.	John F. Walsh.
Frank T. Dixson.	John McCann.	Jacob Weil.
Frank J. Dotzler.	John F. McCourt.	Louis Wendel, Jr.
Frank L. Dowling.	William P. McGarry.	James R. Weston.
Robert F. Downing.	Michael J. McGrath.	John J. White.
William Drescher.	Samuel Marks.	Bryant Willard.
Alexander Dujat.	James F. Martyn.	Frederick H. Wilmot.
	John J. Meagher.	

George Cromwell, President, Borough of Richmond, by L. L. Tribus, Commissioner of Public Works.

Maurice E. Connolly, President, Borough of Queens.

Cyrus C. Miller, President, Borough of The Bronx, by Thomas W. Whittle, Commissioner of Public Works.

Alfred E. Steers, President, Borough of Brooklyn.

George McAneny, President, Borough of Manhattan, by E. V. Frothingham, Commissioner of Public Works.

On motion of Alderman Willard, Alderman Folks was excused from attendance.

The Clerk proceeded to read the minutes of the Stated Meeting of January 30, 1912.

On motion of Alderman Downing further reading was dispensed with, and the Minutes were approved as printed.

ORDINANCES AND RESOLUTIONS.

Alderman Dowling asked and obtained unanimous consent to introduce the following:

No. 306.

Whereas, The hand of death has removed from our midst Thomas Francis Grady at the zenith of his attainments, and after a life spent in the public service. Born in this City, educated here, he early entered public life and soon became noted for his oratorical powers. His party, early recognizing his ability, sent him to the Assembly for five years and then to the State Senate, where he remained one term. After an absence of a few years he again became a State Senator, but was defeated for re-election. For four years he served as a Police Magistrate in this City, and in 1895 he was again elected to the State Senate where he since remained, and in which service he passed away. From his first term in the State Legislature he was noted for his skill in debate, his expertness in parliamentary law, and his unusual grasp of the provisions of existing and proposed statutes. Ringing all the changes of logic, irony, praise and invective with matchless skill, he obtained a power in the legislative halls which was never shaken. His public and private life so intermingled that his friends were numbered among the prominent men of all parties. The services he rendered his party in this State were signal. His public career placed him constantly before the people, to whom he was so close that they appreciated him at his true value; be it

Resolved, That we, the members of the Board of Aldermen, do hereby record our high opinion of the worth and services of Thomas Francis Grady, so long and so prominently a member in State Legislature from this City, and our recognition of his life of public service; and be it further

Resolved, That a copy of this preamble and resolution be suitably engrossed and duly authenticated by the President of this Board, the City Clerk and his Honor the Mayor, and forwarded to the family of the deceased.

Which was unanimously adopted by a rising vote.

PETITIONS AND COMMUNICATIONS.

No. 307.

City of Cleveland, Legislative Department, January 31, 1912.

To the City Clerk:

Dear Sir—The City of Cleveland is vitally interested in the subject matter of the resolution adopted by the City Council January 8, 1912, approved by the Mayor January 11, 1912, and printed hereon. I am sending you this copy with the request that you submit it to the Council of your City, and with the hope that the Council may be sufficiently interested in the matter to adopt a similar resolution and bring it to the attention of the United States Senators of your State and of the members of Congress from your locality. Yours truly, R. E. COLLINS, City Clerk.

File No. 23488.

By Mr. Dowling—

Whereas, There is pending before Congress a bill by Representative Bulkley of Ohio, providing for the coinage of a three-cent piece; and

Whereas, The people of Cleveland, Ohio, are now, and have been enjoying for the past two years, three-cent fare on all the street railway lines of the city, while maintaining supervision and control of the operation of said lines; and

Whereas, Such a three-cent piece would especially facilitate the operation of three-cent fare on the street railways of Cleveland and on the street railways of other cities about to enjoy such rate of fare, by furnishing a standard, transferable coin; and,

Whereas, Such a coin would be beneficial to all the people of the United States by providing a smaller coin with which to purchase articles of general use and consumption now arbitrarily sold for a nickel; now therefore be it

Resolved, By the Council of the City of Cleveland, State of Ohio, that the City Councils or corresponding legislative bodies in other cities of the United States and the legislatures of the various States, be urgently requested to enlist the aid of their Congressional representative or representatives and of their United States Senators in the passage of the aforementioned bill; and be it further

Resolved, That the City Clerk be instructed to forward a copy of these resolutions to the City Councils or City Clerks of all cities in the United States with a population of twenty-five thousand (25,000) or more inhabitants and to the legislatures of all States in the Union.

Which was referred to the Committee on Rules.

No. 308.

277 Broadway, New York, February 1, 1912.

To the Honorable Board of Aldermen, City Hall, New York:

Gentlemen—I hereby tender my resignation as Commissioner of Deeds of The City of New York, to take effect on the 3d inst. Respectfully yours,

JOSEPH BERGMANN.

Which resignation was accepted.

No. 309.

The Children's Village of the New York Juvenile Asylum, Chauncey, N. Y., January 27, 1912.

Hon. JOHN P. MITCHEL, President of the Board of Aldermen of The City of New York:

My Dear Sir—We have the honor to submit herewith, under separate cover, in accordance with the provision in our Charter, an advance copy of the annual report for the year 1911.

With great respect, I remain, sincerely yours GUY MORGAN.

THE NEW YORK JUVENILE ASYLUM.

Sixtieth Annual Report for the Year 1911.

To the Honorable the Legislature of the State of New York, and the Board of Aldermen of The City of New York:

The Directors of the New York Juvenile Asylum, as required by the Act under which, since 1851, they have been a body corporate, submit their report for the year 1911, being their sixtieth annual report.

The year has passed unattended by any noteworthy change or development in the life of the children's village. The daily routine has proceeded without interruption; the cottage tasks and duties have been performed; the work of the farm and the shops has been done; to the studies and discipline of the schoolrooms due attention has been given; the usual sports, games and entertainments which appeal to boys have been enjoyed. Altogether it has been a pleasant and, we believe, a profitable year.

While such an institution as this is certain to awaken interest among those who are engaged directly or indirectly in the vocation of child-saving and juvenile reformation, and to receive visits and expressions of approval from many of them, it has not hitherto attracted to itself in sufficient numbers those generous and benevolent citizens whose pecuniary contributions it so greatly needs. In order to provide for its wards an institution of the highest type, in accordance with the oft-repeated views of those recognized as authorities in the treatment of juvenile delinquency, the Directors were obliged to expend a very large amount of money. The cottages, instead of being cheap, ill-constructed and unhomelike, are substantial, commodious and attractive, suggestive of the refinement and the contentment that characterize the home-life of normal and prosperous people. It was requisite at the outset to erect a large edifice where adequate accommodations should be provided for the ordinary education and industrial training of the boys. There are in this building seven spacious and well-lighted class-rooms, an assembly-hall, rooms for the printing press and printing class, and the tailoring department; a library and meeting-room, as well as the rooms for the departments of carpentry, plumbing and tin-smithing, sloyd, telegraphy, and the offices of administration.

Then there is the massive power house, which, besides the heating and electrical apparatus, contains the kitchen, laundry and store rooms. An adequate and extensive sewerage system and solid macadamized roads were also regarded as necessary. All these improvements, as well as others that need not be mentioned required a large expenditure. It was deemed more prudent to do this primary and fundamental work in a thoroughly substantial and permanent manner than to practice a short-sighted economy and erect structures that would necessitate frequent repairs and be less durable and far less attractive to the eye.

A cheap, inferior and unbeautiful group of buildings would have produced an unfavorable impression, would have proved an unsatisfactory and unwise investment, and in a region of such uncommon natural beauty would have been peculiarly inappropriate.

Reference was made in the last annual report to the need of more buildings, and especially of a chapel, a gymnasium and an industrial building. It is important also that an infirmary should be added to the village group. A small cottage has been and is used for hospital purposes. But it is inadequate. The institution has been remarkably free from cases of serious illness requiring hospital treatment; but as the population of the village increases, ordinary prudence demands that enlarged accommodations should be provided.

For the year 1911 the institution has received from the City no money for the vocational training of the boys; and the urgent request of the directors that the annual appropriation for maintenance be increased has been refused. That this request was entirely proper and reasonable has not been denied; but the total amount of the City's Tentative Budget was so enormous that some retrenchment was unavoidable, and consequently this and other institutions are compelled to subsist for another year upon an inadequate per capita allowance. This fact is not mentioned in a spirit of complaint or resentment, for we recognize the obligation of the City authorities to lighten the burdens of the taxpayers; but rather to direct attention to the very real need of financial assistance from private citizens.

The objection to a so-called common school education, not infrequently heard, that it is not practical enough for the great majority of boys, has weight and pertinency. The boys sent to correctional or reformatory institutions especially require the instruction and discipline that can only be acquired through the use and training of the hands. The boys not only need tasks of a practical sort; they prefer them. The Directors desire to afford the boys every opportunity to train and perfect themselves in those occupations and employments that are distinctly vocational and industrial. In order to do this satisfactorily they should have a suitable building where instruction in the different trades and callings could be properly given and the boys be enabled to develop their constructive tendencies and capabilities.

It should not seem unreasonable to hope, or even to expect that citizens of New York will come forward and offer to erect one or more of the structures, or supply the funds needed to enable the directors to accomplish more satisfactory results in their efforts to increase the industrial efficiency and self-supporting competency of their wards.

The directors, while recognizing the great importance of manual and industrial training, are very far from intending or desiring to lay undue emphasis upon it. The attainment of skill and dexterity in the familiar handicrafts is not the supreme purpose of the institution. The practical and mechanical elements in education may be too highly regarded, too strongly insisted upon, to the neglect or exclusion of the vital, the dynamical and the spiritual. No boy should be taught to regard himself as a wage-earning machine merely; nor that the acquisition of wealth for its own sake is a worthy object of endeavor. Specialization is no doubt necessary and unavoidable in these days when human activities are so multifarious and information is so constantly extending its boundaries; but more important even than this is the harmonious and complete development of personality with all its manifold and marvelous possibilities. Such development may be denied even to the most fortunate and highly favored of men; but it is nevertheless an end, an ideal to be kept steadily in view.

Efforts are made to impress upon the boys the importance of civic duties and the privilege that is to be theirs of assuming the responsibilities and discharging the obligations of citizenship. Instruction in practical patriotism and social service is an essential part of a common school education. It is especially needed at this time to counteract and dispel the notion so widely prevalent that personal enrichment is the primal function and foremost vocation of man. Coveteousness may be called the great national sin. Its pernicious and demoralizing influence is witnessed in almost every department of activity. An ardent devotion to the Republic and the subordination of selfish advantage to the general welfare should be one of the results of the education of every American boy.

The public holidays, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day and Thanksgiving Day are appropriately observed at the children's village.

Juvenile delinquency is the inevitable product of conditions which, if they cannot be wholly removed, can at any rate be greatly improved. Both heredity and environment are in part responsible for it; the latter probably far more than the former. That there has been some improvement in environmental conditions in recent years cannot, we think, be denied. An increasing interest in street boys is manifesting itself, and more work of the preventive sort has been undertaken in their behalf. There are more playgrounds and recreation centres than there were a few years since. The operation of the probation system has been productive of good results, although the number of probation officers is much too small. The best results of probation are perhaps not attainable in the great City, because the congestion of population in the tenement house districts makes any genuinely helpful home life next to impossible and the streets supply the principal, if not the only, playgrounds for most of the children. To be removed from such surroundings and transferred to one of the home-like cottages looking upon the broad fields and spacious playgrounds of the children's village cannot fail to be a permanently beneficial experience in the life of many a City boy. The passing of the American home is in these days not infrequently referred to and lamented. At the children's village, it is believed, the boys received some intimations of what constitutes a real home.

It is unfortunate for some boys, no doubt, that their parents insist upon taking them back to their former homes in the City. The return to the previous environment and the recurrence of the old temptations are sometimes followed by backsliding and a surrender to evil forces. It would be much better for such boys if they could be permanently withdrawn from their original surroundings and provided with homes in the country. The placing-out and indenturing of children in western homes, especially in the States of Illinois and Iowa, the directors have always regarded as by no means the least interesting and valuable department of their reformatory work. Since 1853 more than seven thousand children have been sent to such homes. Most of these have grown up to be useful members of society, filling with credit the stations in life to which they have been called. Many were placed on farms and became farmers themselves. Others entered trade and became merchants. Some have chosen professional careers and attained repute and success in their several vocations. It may not be uninteresting to refer to the statement made by the western agent after the close of the Civil War, that of the boys sent to the West from the Juvenile Asylum in the early days from 1853 to 1865, three hundred and fifty enlisted as soldiers in the armies of the Union.

The opportunities and prospects for City boys in Illinois and Iowa may not be as numerous and promising as they were forty or fifty years ago; but in other states further westward and southward homes are to be found, and New York boys, separated from the enticements and defilements of the City, may begin and pursue careers of usefulness and independence such as would be impossible to them in the over-crowded metropolis.

It need hardly be repeated that all curative measures aimed to correct and diminish juvenile delinquency will never be wholly satisfactory and effective without the indispensable work of prevention. Unless there is an improvement in the parents, in their homes and the neighborhoods in which they live, there is not likely to be an improvement in the children. The enormous immigration of recent years has brought to the City large numbers of men and women not far removed from destitution, who, through ignorance and proverty, have been unable to provide their children with proper nurture and protection. From such parents come by far the greater numbers of delinquent and dependent children. It is not surprising, therefore, that as many as thirteen thousand boys and girls were, during the past year, haled to the Children's Courts in the five boroughs of the greater City. About 75 per cent. of these were discharged to their parents or released on probation; less than 25 per cent. having been sent to institutions.

The improvement in the educational department has continued during the year, and there has been a gratifying advance especially in the teaching of the class of defective and backward children. Efforts are made to co-ordinate the instruction of the class-rooms with the training of the shops and to supply what is termed vocational guidance to the boys. The importance of this has recently been emphasized by those who have made a study of the psychology of childhood and are well acquainted with modern educational methods.

The farm area has been enlarged during the year by the reclamation of several acres of land previously overgrown or neglected. The necessity of furnishing fresh fruits and vegetables to so large a population makes the increase of the productive soil area a matter of considerable importance. The farming industry engages the attention of a number of the larger boys with beneficial results. It would be desirable if instruction in scientific methods of intensive farming could be given to a selected number of boys with the object of eventually making them practical and prosperous husbandmen.

The health of the boys has been extraordinarily and surprisingly good. There has been no epidemic of any of the common disorders and diseases incidental to childhood; and the year has passed without a death in the village.

During the last three months and a half expert accountants from the Comptroller's office have carried on an exhaustive investigation of the books, accounts and vouchers of the institution, covering a period of six years. Every facility was offered to them in the prosecution of their examination, and information was always given when needed to explain or supplement the records. The result has been most pleasing and affords convincing testimony to the accuracy with which the accounts of the institution have been kept and the money disbursed under the system introduced by Mr. Hilles.

Mr. Guy Morgan, who, since the resignation of Mr. Hilles, has been the executive head of the village under the designation of acting superintendent, has been made superintendent. This is a promotion earned by patient and conscientious devotion to the interests of the institution and of the boys.

Mr. Edward W. McClure, having shown his efficiency and fidelity, has been made assistant superintendent and principal of schools.

While it is true that the institution has been pronounced by the State Board of Charities worthy of being assigned to the first class, and while the high praise generally accorded to the children's village naturally gives the directors genuine satisfaction, they nevertheless do not desire to take undue credit to themselves, nor to spread abroad the impression that their management may not in some respects be subject to criticism; nor that there may not be improvements in the control and discipline of the village. On the contrary, they invite candid criticism and helpful sugestions to the end that the difficult task and obligation of training so many boys for useful and effective citizenship may be more perfectly discharged. They again commend the institution to the sympathetic consideration of charitable and compassionate persons, will welcome their support and co-operation in the furtherance and development of what must be regarded as a work of the deepest interest to the community and of the highest importance to the wards of the institution themselves.

The membership of the Board of Directors remains the same as at the beginning of the year.

During all the years of its existence the Juvenile Asylum has been singularly favored by Divine Providence, and in closing this their sixtieth annual report, the directors invoke a continuance of that favor during all the years that are to come.

MAITLAND F. GRIGGS, HENRY E. GREGORY, HENRY N. TIFFT, Committee on Report.

Superintendent's Report.

To the President and Board of Directors of the New York Juvenile Asylum:

Gentlemen—I beg to present this my annual report for the year 1911.

In my monthly reports you have been acquainted with the progress of the work in general, and on seasonable occasion due reference has been made to occurrences unusual or extraordinary. I shall therefore review but briefly events incident to the school's work, with some recommendations as to matters demanding consideration at this time.

The work of development has been pushed forward along the lines originally planned and with favorable showing. While we have erected no new buildings, the cottage under construction at the beginning of the year has been completed and pronounced a model home for twenty boys. You will recall, this cottage was constructed almost entirely by our classes in the various trades and stands a fitting memorial to their skill and proficiency. The uneven surface about the building has been graded to the symmetrical planes indicated by the engineers and seeded to lawns. During the summer this cottage was opened for occupancy and the new family duly installed.

To accommodate this and other cottages planned, the southern section of the roadway ellipse was graded and overlaid with the regulation macadam. This last seven hundred feet completes the oval way outlining the children's village, on either side of which were found locations for all cottages and accessory buildings which will enter into the completed village group.

The work of reclaiming the waste land was carried on during the summer vacation when a large number of boys was available for this purpose. The hill to the west of the village, crowned by the water tower and known as the Old Chauncey Garden, comprising in all about twenty-five acres, was cleared of the dead timber and undergrowth and converted into attractive recreation grounds.

In the summer of 1909 the dread tree plague which had ravaged the forests of the North Atlantic States made its appearance in our woodlands, and in the intervening two years almost every chestnut and hickory, whose fruits had supplied such pleasure

to the boys, had succumbed to the onslaughter of its infection. The dead trees stood on every hand, disfiguring the groves and premises. To make the most of our misfortunes a small sawmill was purchased and the work of converting this timber into fire wood and lumber was begun in September. Up to the present time sufficient lumber has been sawed to cover the cost of the installation of this plant, and the wood from the boughs and refuse supplements in no small way the fuel supply for the village.

Anticipating the increase in population, the garden area was extended in 1910, and in the early spring of the present year 1,200 slips were transplanted from the blackberry and raspberry bushes to the hillside above the barn, which, owing to its precipitous slope, is not adapted to cultivation. The strawberry bed was also extended and now comprises fully an acre of healthy young plants which will yield an adequate supply for the entire school.

In the late fall, when the roadway and paths were completed, one hundred and fifty maples and elms were transplanted from the wooded tracts about the village to grace the hilltop's natural beauty and to furnish shade and comfort to its future occupants. The new lawns and graded areas were also embellished with dogwood and other flowering shrubs, as suggested by the gardeners in the earlier development.

The chicken industry continues a profitable diversion to the boys of the house of reception and Rose Cottage. From their coops sufficient fresh eggs were collected and sold to the village and local customers to more than cover the cost of their maintenance. They also supplied each cottage with fowl for both Thanksgiving and Christmas dinners.

The boys in charge of the piggery have made the best showing in all the years of this department. At the close of 1911 they have in the sties sixty pigs, the maximum number for which the table refuse will provide, having sold during the year two hundred dollars worth of hogs besides supplying the village with fresh pork on different occasions.

The little flock of sheep which has ornamented the lawns for the past five years is still maintained an interesting group in our animal industry.

Departmental Work.

Notwithstanding the fact that the City Board of Estimate and Apportionment withdrew the support which had encouraged the enlargement of our industrial classes, their very liberal provision for this branch of service in the former budget had enabled us to install the necessary equipment and instruction in all the departments is continued.

In the fall the boys' band was reorganized and the last available room in Wetmore Hall, known as the exhibit room, was converted into a band room and barber shop; the band master happily combining the two professions of barber and musician. Under his tutelage and supervision the band is making splendid progress and classes of colored and Italian boys now cut the hair for the entire school.

Further development and enlargement of departments will necessarily be delayed until a suitable industrial building is provided for them.

The work in all vocational classes for the past twelve months has been fruitful in a twofold sense; the boys have profited by the opportunities afforded for instruction and practice in their various trades, at the same time turning out good substantial work in the way of real things, which were utilized in the general upkeep and for supplies in the various activities of the village.

Some idea of the practical training received in these classes may be obtained from the following:

The class in printing has lettered the stationery, printed the board bills, annual reports, numerous blanks and regular weekly and special day programs for the village; has printed and bound certain papers and addresses relative to institution work; also the weekly calendars for churches in the vicinity and edited and published our monthly magazine.

The woodworking departments have completed the interior finish at the new cottage, built steps mounting terraces to several cottage entrances, remodeled the basement at the house of reception, erected a shelter for the sawmill, made additional horse stalls at the barn, kept in repair all farm wagons and vehicles, and supplied handles for the farm tools, aside from the general repair of buildings and furniture.

The basements of four cottages have been wired and lighted by the class in applied electricity. This class also installed the motor which drives the sawmill; trimmed and kept in repair the arc lamps and the interior lights in all buildings; overhauled and kept in repair the several motors about the place and hoisted the year's supply of coal from the spur at Chauncey to the storage bin at the power house.

The class in painting has painted the exterior wood work of four cottages, the tin and metal work on the roofs of Wetmore Hall and power house. Rooms and halls in many of the cottages have been treated to coats of paint, radiators rebronzed and furniture stained and varnished.

The boys of the tailoring department have made 600 new uniforms, 1,000 pairs denim overalls, 1,200 day shirts, 700 night shirts, 400 suits underwear and kept the cottages supplied with towels and bed linen.

The class in tinning and plumbing has made and kept in repair the numerous tin vessels required under our method of food distribution and for general cottage use; repaired the tin and copper gutters on the different buildings and overhauled the hot air furnace at the house of reception. In the plumbing line this class has assisted in laying and calking some 600 feet of cast iron sewer; remodeled the auxiliary hot water supply at the Superintendent's cottage and at all times given due attention to the plumbing of the village.

Our shoemakers have kept in good repair the shoes worn by the boys and have found time withal to make for each boy in the school a pair of hand made shoes.

While the boys in the telegraph class are not engaged in productive work, they have diligently pursued their course of instruction with creditable results.

The work performed by the boys in field and garden is fairly summarized in the results indicated in the gardener's report which appears on a following page. The individual gardens again claimed the attention of the boys in cottages favorably located for such enterprise and the interest of these young husbandmen in delving in the soil and caring for the growing plants continues unabated. The products of these little plots largely supplement their table allowance from the general gardens, and the realization that these are the fruits of their own efforts, fosters a spirit of independence and self-reliance, which will serve them well in the years to come.

Candy making continues to be a source of pleasure and profit to the boys at Cottage "T." These young gentlemen have employed portions of the long winter evenings in the manufacture of confections of the various sorts for which they find ready market in the village and vicinity. With money earned in this way they have purchased books, musical instruments, pictures and otherwise adorned their cottage home. A detailed report of this industry is also published.

Work in the class rooms has progressed satisfactory, attendance has been uniformly regular and a keen interest has been manifested on the part of both teachers and pupils. With but one exception, the teaching staff remains the same as last year. The enrollment in each class room is somewhat larger owing to the increase in our population, yet the seating capacity is overtaxed in none and there seems no immediate necessity for opening an additional grade. The principal's report may be found on succeeding pages.

Inspection and Supervision.

Representatives of the State Board of Charities made official visits to the school on three occasions. On February 16, 17 and 24, Mr. James H. Foster made a detailed inspection of all class rooms. On October 9, Mr. John B. Prest visited us and on September 25, the regular annual inspection was made by Mr. George C. Rowell.

Hon. William A. Prendergast, Comptroller of The City of New York, paid us an informal visit on July 13, and on October 14, addressed the school assembled in Wetmore Hall. Earlier in the year, on February 11, the school was inspected by Representatives Henry Bruere and W. A. Averill of the Finance Department. An extensive audit by this Department of the asylum's vouchers and accounts reaching back through the years to 1905, was begun by Mr. Peter J. Schavel and Mr. F. H. Dressel on September 13. This work still continues.

The school was visited ninety-three times during the year by its directors. Other visitors were: Mr. Taro Tedzuka, attorney general, District of Magoya, Japan; and Mr. Katayama, of the Japanese Mutual Aid Society of New York City; Mr. Edward A. Nyssens and Miss Nyssens of Antwerp, Belgium; Mr. Edward Davies of the New York Association for Improving the Condition of the Poor; Mr. Owen C. Dawson and Mr. P. S. Harrington of Montreal, Canada; Mr. C. W. Hayward and Mr. and Mrs. Robert Stuart of Chelmsford, England; Mr. Ernest H. Blois, of Halifax, Nova Scotia; Dr. Manuel Secades, Special Commissioner of the Department of Government, Havana, Cuba; Hon. P. A. Whitney, Commissioner of Correction, New York City; Miss Julia Metzler of St. Petersburg, Russia; Miss Emma Lentner of Yaviers, Belgium; Mrs. Pierre Mali and the Misses Mali of Paris; Miss E. B. Wyle of New York City; Mr. Charles Mehys, Mrs. S. Kaufman, Miss L. R. Linburg, Justice Lorenz Zeller, Mr. George M. Strupp, Mr. Edward O. Breandle, Mr. and Mrs. Auerbach, Mr. and Mrs. H. Alexander, Mr. and Mrs. N. H. Levey, Mrs. Charles H. Eaton, Mr. S. Mortimer Hill, all of New York City; Mrs. Charles D. Hilles, Mrs. Frances W. Marshall, of Washington, D. C.; Mr. and Mrs. F. G. Zinsser of Hastings-on-Hudson; Miss Alice Locklund of St. Louis; Miss Janet Breckenbridge of Clarkson, N. Y.; Mr. J. M. Dowen, Golden, Colorado; Mr. and Mrs. C. C. Aspinwall, Chehalis, Washington; Mr. E. B. Nelson, Superintendent Oklahoma State Reformatory; Dr. R. R. Reeder of the New York Orphan Asylum; Dr. Charles A. Herrick of Girard College; Mr. H. H. Hart of the Russell Sage Foundation; Rev. F. S. Hunnewell, Mr. K. D. Steel and Mr. R. F. Smith, of White Plains, N. Y.; Mr. William B. Osgood Field and Mr. U. I. Welter, Directors of the New York House of Refuge; Justice Franklin C. Hoyt of the Court of Special Sessions, N. Y.; Miss Anne Morgan and Miss Elizabeth Marbury of New York; Judge Ben B. Lindsey of Denver, Colorado; Dr. Geo. F. Barth of Milwaukee; Mrs. August Belmont, of the Board of Directors of the New York House of Refuge; Miss G. R. Smith of New York; Mr. Samuel Untermeyer and Mr. O. F. Lewis of New York City; Mr. Joseph Beale of Oneida, N. Y.; Mr. Frederick Almy of Buffalo; and Mr. G. F. Warren of Ithaca, N. Y.; Members of the Board of Managers of the State Industrial School. Dr. and Mrs. W. A. Risk, Miss C. L. Tillinghurst and Mrs. John McManus of Providence, R. I.; Mrs. L. M. Phipps, Mrs. Joseph H. Townsend and Mrs. Frank L. Bigelow, Superintendent and Members of the Board of Managers of the New Haven Orphanage. Mr. James M. Norris, Homestead, Pa.; Mr. L. A. Philipps, Glenwood, Illinois; Miss S. W. Masters, Dobbs Ferry; Mr. W. Howell of Goshen, N. Y.; Mr. R. W. Guss of North Adams, Mass.; Miss Ruth True of New York School of Philanthropy; Miss Harriett Quimby; Miss L. S. McKean, Beaver Falls, Pa. and Mr. B. W. Rogers of Durham, N. C.

The boys' friends were made welcome on the regular monthly visiting days, the average number receiving visits each month being about sixty per cent. of the enrollment.

Health.

When we consider the large population at the children's village in comparison with the numbers cared for in earlier years, we can but conclude, despite following statements, that the blessing of good health yet remains our portion.

Perhaps on no single day of the year could the village have been pronounced entirely free from sickness and on several occasions our little hospital was taxed beyond its capacity to accommodate the ailing ones, yet we close the year without a single death recorded. In but one preceding year, 1907, did the mortality tables total zero.

On several occasions were we threatened with contagious and infectious diseases, but by the observance of due precaution and by careful isolation, all epidemics have been averted and these attacks stamped out almost in their inception. The little building known as the hospital was but a gardener's cottage on the premises when the village site was purchased. It answered fairly the purposes of an infirmary for the original population of three hundred, but with numbers almost doubled in our present census, we turn the pages of the nurse's diary with apprehensions for the future.

A more commodious building should be erected in which to care for our sick, perhaps a duplicate of one of the later cottages and on a cottage site. This would more than double the present accommodations and insure effectual means for coping with contagion.

Inquiries have been made from time to time by members of the Board and the interested public as to what, if any special treatment was given to correct physical defects or imperfections in the boys committed to our care, also as to the feasibility of introducing gymnastics and military drills, generally, in this school. While we are heartily in sympathy with the above and fully realize the benefits resultant from such exercises in the way of straightening stooped figures, strenghtening weak organs and developing atrophied muscles, we feel that without a properly equipped gymnasium and drill hall, organized and methodical work along this line is seriously handicapped. We would therefore recommend that some provision be made for this important feature in institutional training.

Since our population has already outgrown the seating capacity of our assembly room, it would seem a happy solution of the problem of meeting two pressing demands, to erect a chapel building with a capacious and well lighted basement area, which would accommodate both assemblages of whatever sort and the gymnasium work as well.

Miscellaneous.

All holidays were fittingly observed. Special programs were rendered in Wetmore Hall and the days given over to rest or enjoyment as the occasion implied. Mr. Gregory delivered the address on Lincoln's birthday; Mr. Jesup on February 22; on Memorial Day Messrs. Gregory, Hawk and Jesup were present and addressed the assemblage. Mr. Mornay Williams gave an inspiring talk on Independence Day to the boys assembled on the village campus. On September 17, Mr. Hawk spoke appropriately and recited personal reminiscences in memory of the late William McKinley. Mr. Gregory was again the speaker at the Thanksgiving Day exercises.

Sunday services were held regularly and we here make grateful acknowledgement to the ministers and others who have so kindly assisted on these occasions.

The dentist made semi-annual examinations of the boys' teeth and from time to time rendered professional service as occasion demanded. His detailed report may be found on a separate page.

On November 7 we were especially favored by visits from thirteen members of the board. After an inspection of the cottages and grounds the regular monthly meeting was held in the office of the superintendent.

On March 30 and December 9, two small companies of orphan boys went out from the children's village to homes in the West. Removed from the vices and temptations of the city's congested districts and under the care and guidance of sympathetic foster parents, these unfortunate children there find opportunity to become substantial, self-supporting citizens.

Three courses of lectures were supplied by the Board of Education of New York City, comprising in all thirty numbers on miscellaneous subjects.

Fire drills were regularly conducted in Wetmore Hall and the fire extinguishers in each building inspected and recharged twice during the year.

Early in the year notice was served by the Board of Health of Dobbs Ferry village that leakage from the main trunk of our sewerage system was contaminating the waters of nearby springs and brooks. The asylum was ordered to remove 640 feet of this defective sewer and replace it with cast iron water pipe. This order was complied with and the work accepted by their sanitary inspector.

The water tank was overhauled and repainted.

The boy choir on numerous occasions assisted with the evening service at the Greenburgh Presbyterian Church.

The usual amount of ice has been harvested from the lake and stored for refrigerating purposes.

Baseball and football in summer and coasting and skating in winter continue popular sports and largely occupy the boys during recreation periods.

The annual Field Day contests were held on the athletic field, July 4; prizes in athletic goods to the amount of 50 dollars were contributed to this event by Mr. Hawk, of the Board of Directors. The announcement of this fact called forth spirited and determined competition.

The program was made up of contests, in foot racing, pole vaulting, jumping, hammer and ball throwing, with sack races, wheelbarrow and potatoe races for the smaller boys. Selected teams from the village nines competed for championship honors as well, and the occasion was a red-letter day in the village calendar.

Statistical.

Number on school's register January 1, 1911		533
Received in 1911		230
Total enrollment for the year		763
Number in western homes January 1, 1911		122
Grand total under care and control in 1911		885
Sent to private homes	2	
Sent west	9	
Discharged	170	

Transferred to other institutions	2	
Died in City hospitals	2	
		185
		763
		185
Number on school's register December 31, 1911		578
Temporarily absent in hospitals, on escape and under supervision in vicinity		56
Present in village December 31, 1911		522

The recognition and approval given our efforts by your Honorable Body has been a great comfort and satisfaction to us and remains an inspiration to future endeavor; the assistance and support of a loyal staff must not be overlooked; wherefore, grateful acknowledgment is made to both who have in such large measure contributed to whatever success has been attained in the past year's administration.

Respectfully submitted, GUY MORGAN, Superintendent.
December 31, 1911.

Treasurer's Report for the Year Ending December 31, 1911.

Current Account.

Receipts—		
New York City for care and maintenance		$98,844 04
Boarders		3,372 90
Donations		1,672 60
Interest on investments		600 00
Interest on Fanshaw Fund		165 41
Rent—Chicago Property		463 33
Rent—N. Y. Telephone Co		33 00
Sundry Collections		1,431 93
		$106,583 21
Balance January 1, 1911:		
Mechanics and Metals National Bank, Superintendent	$1,309 50	
Petty cash at asylum	600 00	
Petty cash at Western agency	400 00	
		2,309 50
		$108,892 71
Disbursements—		
Children's village and general account	$98,630 25	
Office of the Corporation	2,090 47	
Western agency	991 21	
Finance committee	366 03	
Legal committee	20 00	
Transferred to capital account	5,609 78	
		$107,707 74
Balance December 31, 1911:		
Mechanics and Metals National Bank, Superintendent	$184 97	
Petty cash at asylum	600 00	
Petty cash at Western agency	400 00	
		1,184 97
		$108,892 71

Capital Account.

Receipts—		
Transfer from current account	$5,609 78	
Interest on bank balances	3 36	
		$5,613 14
Balance January 1, 1911:		
Central Trust Company	$141 00	
Mechanics and Metals National Bank, Treasurer's account	5,035 96	
Farmers' Loan and Trust Company	50 57	
		5,227 53
		$10,840 67
Disbursements—		
Buildings and Development Committee	$10,549 33	
Finance Committee	31 25	
		$10,580 58
Balance December 31, 1911:		
Central Trust Company	$141 00	
Mechanics and Metals National Bank, Treasurer	65 16	
Farmers' Loan and Trust Company	53 93	
		260 09
		$10,840 67

Miscellaneous Accounts:

Trust Funds:

Balance January 1, 1911	$115 69

Graduates' Building Fund:

Balance January 1, 1911	$126 52

Miscellaneous Accounts:

Trust Funds:

Balance December 31, 1911	$115 69

Graduates' Building Fund:

Balance December 31, 1911	$126 52

Summary.

Balances, January 1, 1911:		
Central Trust Company	$141 00	
Central Trust Company, Children's Fund	115 69	
Central Trust Company, Graduates' Building Fund	126 52	
Mechanics National Bank, Treasurer	5,035 96	
Mechanics National Bank, Superintendent	1,309 50	
Petty cash at asylum	600 00	
Petty cash at Western agency	400 00	
Farmers' Loan and Trust Company	50 57	
		$7,779 24
Receipts, 1911:		
Current account	$106,583 21	
Capital account	5,613 14	
		112,196 35
		$119,975 59
Investments:		
5,000 Union Pacific 1st Mortgage 4 per cent bonds		$5,531 25
Fanshaw Fund—Central Trust Company certificate		2,406 19
Fanshaw Fund—10,000 Rio Grande Western bonds		9,250 00
		$17,187 44
Disbursements, 1911:		
Current account	$107,707 74	
Capital account	10,580 58	
		$118,288 32
Balances, December 31, 1911:		
Central Trust Company	$141 00	
Central Trust Company, Children's Fund	115 69	
Central Trust Company, Graduates' Building Fund	126 52	
Mechanics and Metals National Bank, Treasurer	65 16	
Mechanics and Metals National Bank, Superintendent	184 97	
Petty cash at asylum	600 00	
Petty cash at Western agency	400 00	
Farmers' Loan and Trust Company	53 93	
		1,687 27
		$119,975 59
Liabilities:		
Mechanics and Metals National Bank		$10,000 00

CHARLES M. JESUP, Treasurer.

We hereby certify that we have examined the Treasurer's and Superintendent's books, bank books and vouchers of the foregoing account of the New York Juvenile Asylum for the year ending December 31, 1911, and declare the same to be correct in all respects.

TOWNSEND, DIX & YALE, Certified Public Accountants.

Which was ordered on file.

COMMUNICATIONS FROM CITY, COUNTY AND BOROUGH OFFICERS.

The Vice-Chairman laid before the Board the following communication from the Board of Estimate and Apportionment:

No. 310.

New York, January 1, 1912.

Board of Estimate and Apportionment, City of New York, Office of the Secretary, 277 Broadway, January 27, 1912.

Hon. P. J. SCULLY, City Clerk, Clerk to the Board of Aldermen, City Hall, Manhattan:

Dear Sir—Referring to the resolutions adopted by the Board of Aldermen on May 3, 1910, and June 27, 1911, relative to the proposed board walk at Coney Island, I beg to notify you that the Committee, consisting of the Comptroller, the President of the Board of Aldermen and the President of the Borough of Brooklyn, to which was referred the proposition to lay out a board walk at Coney Island, will give a public hearing in the matter on Wednesday, February 7, 1912, at 11 o'clock a. m., in the office of the Comptroller, 280 Broadway, Borough of Manhattan. Respectfully,

JOSEPH HAAG, Secretary.

Which was ordered on file.

The Vice-Chairman laid before the Board the following communications from the President, Borough of Brooklyn:

No. 311.

The City of New York, Office of the President of the Borough of Brooklyn, February 1, 1912.

The Honorable Board of Aldermen, City of New York:

Dear Sirs—Under date of July 17, 1911, I made application to your Honorable Board for appropriation of $50,000 revenue bonds for experimental work at the 26th Ward Disposal Plant, in accordance with recommendation of the Board of Estimate and Apportionment.

At a meeting held on July 18, 1911, your Board referred this matter to the Committee on Finance. This Committee gave a hearing on the matter, at which meeting we appeared and gave the reasons why this appropriation was so necessary, but the Committee at that time stated that owing to the fact that they were limited to the appropriation of a certain amount of revenue bonds in any one year it would be impossible to then grant the request, asking that we renew the request after January 1, 1912.

I therefore respectfully request your Honorable Board to adopt a resolution appropriating the sum of $50,000 for experiments at the 26th Ward Disposal Works, Brooklyn, and attached thereto I transmit copy of the minutes of your meeting of July 18, 1911 (published in the CITY RECORD of July 20, 1911), which explains the matter in detail.

I will thank you to have this matter given your early consideration.

Very respectfully, L. H. POUNDS, Acting Borough President.

No. 312.

The City of New York, Office of the President of the Borough of Brooklyn, Brooklyn, February 2, 1912.

The Honorable the Board of Aldermen:

Gentlemen—Under chapter 831 of the Laws of 1911 it is the duty of this Department to obtain and furnish quarters for the Supreme Court. This court is about to open a new part in this Borough, known as the Appellate term, and quarters have been leased in the Offerman Building, on Fulton st., for that purpose. It will be necessary for this Department to furnish these quarters with the necessary supplies, furniture and fittings for the proper transaction of the business of the court, and I would therefore respectfully request that your Honorable Board adopt a resolution authorizing the issue of special revenue bonds in the sum of $4,200, to be used by the President of the Borough of Brooklyn for furnishing and fitting up quarters for the Appellate term of the Supreme Court in the Second Department in the Offerman Building, Brooklyn, N. Y.

This court is to open on March 1, 1912, and I would therefore call your attention to the urgency of this appropriation, and would also request your Board to adopt a resolution allowing this work to be done without public letting so that we can complete arrangements to have this court in operation by March 1.

Yours very truly, L. H. POUNDS, Acting Borough President.

Which were severally referred to the Committee on Finance.

The Vice-Chairman laid before the Board the following communication from the Chief of the Bureau of Licenses, Mayor's Office.

No. 313.

Mayor's Office, Bureau of Licenses, City Hall, New York, January 30, 1912.

To the Honorable Board of Aldermen, City Hall, New York, N. Y.

Gentlemen—I respectfully request your Honorable Board to authorize the issue of special revenue bonds in the amount of $10,320 to pay the salaries of the following positions in this Bureau:

3 Clerks, at $1,200	$3,600 00
2 Inspectors of Taxicabs, at $1,200	2,400 00
1 Bookkeeper	1,200 00
1 Uniformed Attendant	1,200 00
1 Telephone Operator	720 00
1 Stenographer-Typewriter for Brooklyn office	1,200 00

Respectfully, JAMES G. WALLACE, JR., Chief of Bureau.

Which was referred to the Committee on Finance.

The Vice-Chairman laid before the Board the following communication from the Chief Clerk, Court of Special Sessions.

No. 314.

Court of Special Sessions of The City of New York, Office of the Chief Clerk, Criminal Courts Building, corner Franklin and Centre sts., New York, February 1, 1912.

To the Honorable the Board of Aldermen of The City of New York, City Hall, New York City:

Sirs—I hereby request your Honorable Body to adopt the necessary resolution to enable me to secure the sum of $200 for the purpose of defraying minor and incidental expenses, to be accounted for by vouchers subsequently submitted for approval out of the appropriation for Contingencies in the Budget for the year 1912.

Respectfully, FRANK W. SMITH, Chief Clerk.

Which was referred to the Committee on Finance.

The Vice-Chairman laid before the Board the following communications from the Department of Health:

No. 315.

Department of Health, City of New York, southwest corner 55th st. and 6th ave., Borough of Manhattan, Office of the Secretary, New York, February 1, 1912.

Hon. P. J. SCULLY, Clerk of The City of New York, City Hall, New York:

Sir—The Fifteenth International Congress on Hygiene and Demography will meet in Washington, D. C., September 23 to 28, 1912, inclusive.

An integral part of the congress is to be an exhibition on health, at which the public health activities of the United States are to be thoroughly illustrated. As this congress and exhibition are under the auspices of the Federal Government, they constitute an event of special sanitary significance and are expected to contribute largely to the progress of sanitation in this country. The health activities of The City of New York are more developed than those of any other municipality, and if the congress and exhibition are to realize their important object a full exposition of the hygienic work of the greatest city in the United States is indispensable.

The Board of Health at its meeting held January 30, 1912, therefore, adopted the enclosed resolution requesting an appropriation of $5,000 to meet the expenses of a proper exhibit of the activities of the Department of Health, and it is requested that you will submit same to the Board of Aldermen at its next meeting.

Very truly yours, EUGENE W. SCHEFFER, Secretary.

Department of Health, City of New York, southwest corner 55th st. and 6th ave., Borough of Manhattan, Office of the Secretary, New York, February 1, 1912.

Hon. P. J. SCULLY, City Clerk, City Hall, New York:

Sir—At a meeting of the Board of Health of the Department of Health, held January 30, 1912, the following resolution was adopted:

Resolved, That the Board of Aldermen, pursuant to the provisions of subdivision 8 of section 188 of the amended Greater New York Charter, be and it is hereby respectfully petitioned to request the Board of Estimate and Apportionment to authorize the Comptroller to issue special revenue bonds to an amount not exceeding the sum of $5,000, the proceeds whereof to be applied to provide means necessary to defray the expenses of the Department of Health in contributing an exhibit of its various activities at the meeting of the Fifteenth International Congress on Hygiene and Demography, to be held at the Army Medical Museum in Washington, D. C., September 23 to 28, 1912, inclusive.

A True Copy. EUGENE W. SCHEFFER, Secretary.

No. 316.

Department of Health, City of New York, southwest corner 55th st. and 6th ave., Borough of Manhattan, Office of the Secretary, New York, February 2, 1912.

Hon. P. J. SCULLY, Clerk of The City of New York, City Hall, New York:

Sir—On November 21, 1911, the Board of Health requested the Board of Aldermen to petition the Board of Estimate and Apportionment to authorize the Comptroller to issue special revenue bonds in the sum of $15,000, under the provisions of subdivision 8 of section 188 of the Greater New York Charter, to be used in the employment of fifty Medical Inspectors for three months for the purpose of performing vaccination.

This request was not acted upon by the Board of Aldermen before the expiration of the year and a new request became necessary. This was made on January 4, 1912, but denied by the Board of Aldermen on January 23, 1912. The vote, however, was reconsidered and the matter was placed on Special Orders for January 30, 1912, at which time it ws again lost by an adverse vote.

The need of a special corps of Physicians to perform vaccination is so urgent that the Board of Health has been constrained to again submit its request to the Board of Aldermen for not less than $15,000, as reflected in the enclosed resolution which was adopted January 30, 1912, and is submitted with the same arguments embodied in the communication of January 5, 1912, written by the Secretary of the Department, and on January 30, 1912, by the Commissioner of Health, copies of which are herewith enclosed. Very truly yours,

EUGENE W. SCHEFFER, Secretary.

Department of Health, City of New York, southwest corner 55th st. and 6th ave., Borough of Manhattan, Office of the Secretary, New York, February 1, 1912.

Hon. P. J. SCULLY, City Clerk, City Hall, New York:

Sir—At a meeting of the Board of Health of the Department of Health, held January 30, 1912, the following resolution was adopted:

Resolved, That the Board of Aldermen, pursuant to the provisions of subdivision 8 of section 188 of the amended Greater New York Charter, be and it is hereby respectfully petitioned to request the Board of Estimate and Apportionment to authorize the Comptroller to issue special revenue bonds to an amount not exceeding the sum of $15,000, the proceeds whereof to be applied to provide means necessary for the employment of fifty Medical Inspectors for a period of three months.

A True Copy. EUGENE W. SCHEFFER, Secretary.

January 30, 1912.

Hon. P. J. SCULLY, City Clerk, City of New York, City Hall, New York:

Sir—I regret that the scheduled meeting of the Board of Health prevents my making a personal appeal to-day to your honorable Board to approve of the request of the Department of Health for the issue of $15,000 special revenue bonds to employ a special corps of physicians to perform vaccination. I am informed that action on this request, which was reported favorably by the Finance Committee at the meeting of your honorable Board on January 23 was deferred until to-day. In addition to the statistics and data furnished with the original application, I beg to call your attention to the fact that since January 1, 1912, there have occurred nine cases of small-pox in the City, all in the Borough of Brooklyn. The gravity of the situation is indicated by the fact that one of these cases was that of a girl who had been suffering from a mild attack of the disease for thirty days, and not only had not been attended by a physician, but had been at work in a candy factory during this time. The regular staff of Medical Inspectors is entirely insufficient for the performance, in addition to their regular duties, of the great numbers of vaccinations required under these conditions.

During the last outbreak of small-pox in this City in 1902, a total of $115,000 was appropriated for a special vaccination fund. I consider the present conditions very serious, and again urge that funds for vaccination be immediately supplied.

Very truly yours, ERNST J. LEDERLE, Ph.D., Commissioner.

January 5, 1912.

Hon. P. J. SCULLY, City Clerk, City Hall, New York:

Sir—Enclosed herewith is a request of the Board of Health, adopted at a meeting of the Board held January 4, 1912, to the Board of Aldermen, to authorize an issue of special revenue bonds in the sum of $15,000, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, for the purpose of employing fifty Medical Inspectors for a period of three months to perform vaccination throughout the City. This is similar to a request forwarded to the Board of Aldermen on November 25, 1911, but which failed of passage before December 31, 1911, and therefore expired with the old Board of Aldermen.

According to the report of the Surgeon-General of the United States Public Health and Marine Hospital Service, small-pox has been more than usually prevalent in the United States during the past two years. The disease is widespread throughout the United States. Outbreaks of considerable size have been reported from a number of large cities. Among them may be mentioned Buffalo, which had a considerable number of cases in May and June of the past year, and within the past few months small-pox is said to have been very prevalent in the neighborhood of Providence, R. I.

With the extensive and intimate relations which New York City has with all parts of the United States, it is practically impossible to avoid the occasional introduction of the disease into the City, and with an increased prevalence of the disease, such as now obtains in other parts of the country, this introduction is extremely liable to occur. In large cities where there is no lack of frequent importation of the virus, where, in fact, the poison is perennial, an epidemic will come about whenever there is a sufficiently large number of persons capable of infection, that is to say, unvaccinated. This accounts for the well established periodicity of the small-pox epidemics. Experience has shown that in New York City, an epidemic of small-pox may be expected about every ten years, the commencement of the last epidemic being 1901 and 1902. It is clear, therefore, that the soil is ripe in this City for another epidemic outbreak, and that steps should at once be taken to protect the community. The remedy, of course, lies in vaccinating all susceptible persons. It is easy to deal with those born and brought up in this City, for a certificate of vaccination is and has long been required of all school children. The difficulty arises in dealing with adults coming into the City from other parts of this country, or from foreign countries where compulsory vaccination is not enforced.

It has been established that the best way to overcome this difficulty is by the organization of a special vaccination squad to go through the City and make vaccinations on a large scale. The staff of the Division of Contagious Diseases is absolutely unable to undertake any such campaign, and indeed the Budget for the year 1912 provides for twenty-three Medical Inspectors less than were employed in 1911.

The Board of Health deems it necessary therefore to appeal to the Board of Aldermen and the Board of Estimate and Apportionment for additional funds to carry on the work needed, which, if allowed, should be available for a full period of three months. Very truly yours, EUGENE W. SCHEFFER, Secretary.

Which were severally referred to the Committee on Finance.

The Vice-Chairman laid before the Board the following communications from the Commissioner of Parks, Manhattan and Richmond:

No. 317.

Department of Parks, The City of New York, Arsenal, Central Park, February 2, 1912.

To the Board of Aldermen, The City of New York:

Gentlemen—I respectfully request an issue of special revenue bonds to an amount of $13,518.40 to provide means for the construction of pipe rail fences around Washington square, Madison square and Union square. The requested amount is figured upon the basis of the number of linear feet required to complete the work at a cost of 70 cents per linear foot, which was the average bid for this style of fence at the last letting.

In my estimate for the Corporate Stock Budget for 1911, an amount sufficient to enclose these parks and others was requested. The Corporate Stock Committee were of the opinion, however, that the construction of pipe rail fences was not a proper corporate stock charge, and therefore no allowance was made in the Budget for the same. The three parks mentioned are in a very congested location, and it seems imposible to properly protect the lawns, especially during the dinner hour, when thousands of people of both sexes congregate and trample the grass.

I am particularly anxious to put these parks in first-class condition out of the maintenance appropriation provided in the annual Budget, but any expenditure upon them, if the lawns are not protected by fences, is thrown away.

I submit the following statement showing the number of feet of fence required for each park and the estimated cost of construction:

Washington square, 5,930 feet, at 70 cents	$4,151 00
Madison square, 8,800 feet, at 70 cents	6,160 00
Union square, 4,582 feet, at 70 cents	3,207 40
Total	$13,518 40

There is no doubt in my mind that the proper protection of the lawns in these three parks by fencing will decrease the annual maintenance cost by at least 20 per cent.

As I am particularly anxious to complete the work during the early spring, I respectfully request that you give this matter your immediate attention.

Respectfully yours,

CHAS. B. STOVER, Commissioner of Parks, Boroughs of Manhattan and Richmond.

No. 318.

Department of Parks, The City of New York, Arsenal, Central Park, February 2, 1912.

To the Board of Aldermen, The City of New York:

Gentlemen—On June 20, 1911, your Board adopted a resolution requesting the Board of Estimate and Apportionment to authorize an issue of special revenue bonds to the amount of fifty thousand dollars ($50,000), for the purpose of regenerating the lawns of Central Park. The resolution was concurred in by the Board of Estimate and Apportionment at a meeting held July 17, 1911.

The money necessary for the purpose was originally requested in my estimate for the Corporate Stock Budget for the year 1911. The Corporate Stock Committee, however, were of the opinion that it was not a proper corporate stock charge, and advised the application made by me to your Board for revenue bonds, with the understanding that an issue of one hundred and fifty thousand dollars ($150,000) would be authorized in amounts of fifty thousand dollars ($50,000) each, covering a period of three years, to carry on the work. As stated in my previous request, it is proposed to have the lawns that are in the worst condition ploughed, fertilized and seeded in the fall so as to be ready for the spring, following the methods advised by Mr. Maynadier, the Federal Government expert, who, during the months of March, April and May of last year, was assigned to this Department by Professor Milton Whitney, of the Bureau of Soils.

The expenditures, as of date, charged to the appropriation of fifty thousand dollars ($50,000) made last year, amount to $36,918.05, leaving an unexpended balance available for the early spring work of $13,081.95. This amount is insufficient to properly carry on the work.

I submit the following statement showing in detail the itemized expenditures that make up the total expenditure of $36,918.05:

Statement Showing Expenditures Charged Against Special Revenue Bond Account for Regenerating Lawns in Central Park.

Purchase of original equipment, including ploughs, harrows, rollers, distributors, spreaders, etc	$395 18
Fertilizers, including manure, bone, lime, potash, etc	14,511 29
Lumber necessary for fencing	330 00
Wire necessary for fencing	552 41
Hired teams	1,716 00
Labor	19,413 17
Total	$36,918 05

I also submit the following schedule showing the work so far done under this appropriation:

1. The north meadow, consisting of 31 acres, fertilized with well rotted horse manure and ploughed to a depth of eight inches; harrowed and cross harrowed, spread with lime and phosphate, seeded with winter rye and rolled; the entire area fenced in with a 6-foot wire fence. To be turned over in April, harrowed, cross harrowed, seeded with special grass seed and rolled.

2. The ball ground, south of 65th st. transverse road, consisting of about 15 acres, has been treated in a like manner, and will also be turned, harrowed, seeded and rolled in April.

In addition to these the whole of Section 1, which includes that area between 59th st. and the transverse road at 65th st., running from 5th ave. to 8th ave., has had a thorough overhauling, including fertilizing with manure, lime and phosphate, removing dead trees and shrubs, replacing same with new stock and spading up around trees and on terraces where ploughing was impossible. It is estimated that 1,900 tons of well-rotted horse manure has been used on the work up to date, about 800 tons of which was taken from the park manure pits, and three car-loads of lime. The work as a whole is progressing rapidly, and the present condition of the land so far treated proves conclusively that the recommendations made by Mr. Maynadier, the soil expert, are the proper ones to follow. This work should be continued at the latest in April, and I respectfully request that your Board recommend to the Board of Estimate and Apportionment an issue of special revenue bonds to the amount of fifty thousand dollars ($50,000), in addition to those previously authorized, for the purpose of providing means for regenerating the lawns of Central Park.

I submit for your information a copy of the resolution adopted by the Board of Estimate and Apportionment under date of July 17, 1911:

"Resolved, That the resolution adopted by the Board of Aldermen on June 20, 1911, requesting an issue of special revenue bonds in the sum of fifty thousand dollars ($50,000), the proceeds whereof to be used by the Commissioner of Parks, Boroughs of Manhattan and Richmond, for the purpose of regenerating the lawns in Central Park, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and for the purpose of providing means therefor, the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York to an amount not exceeding fifty thousand dollars ($50,000), redeemable from the tax levy of the year succeeding the year of their issue."

—and respectfully request that you give this matter your immediate attention, so that the Board of Estimate and Apportionment can concur in whatever action you take in time to make the necessary funds available for early spring work.

Respectfully yours,

CHAS. B. STOVER, Commissioner of Parks, Boroughs of Manhattan and Richmond.

Which were severally referred to the Committee on Finance.

The Vice Chairman laid before the Board the following communication from the Department of Finance:

No. 319.

City of New York, Department of Finance, February 5, 1912.

Hon. JOHN PURROY MITCHEL, President, Board of Aldermen:

Sir—In order to meet the requirements of the new semi-annual tax law and to facilitate the filing of the tax bills for the levy of 1912, a new system of filing has been designed and inaugurated in this Department, necessitating the purchase of fifty special filing cases. Because of the limited time remaining for the purchase of such cabinets, I respectfully request that this Department be authorized to purchase fifty special filing cabinets in the open market in an amount not to exceed $2,350.

Truly yours, WM. A. PRENDERGAST, Comptroller.

Which was referred to the Committee on Public Letting.

The Vice Chairman laid before the Board the following communication from the Sheriff of New York County:

No. 320.

Sheriffs Office, New York County, Barclay Building, 299 Broadway, New York, February 6, 1912.

To the Honorable Board of Aldermen, City of New York:

Gentlemen—Under and by virtue of paragraph 8 of section 188 of the Greater New York Charter, I ask that your Honorable Board recommend to the Board of Estimate and Apportionment the issuance of special revenue bonds in the sum of five thousand dollars ($5,000) as and for the compensation of five keepers of the New York County Jail for the current year beginning January 1, 1912.

In the Budget of 1912, the Board of Estimate and Apportionment made provision for six keepers, a number wholly inadequate for the proper conduct of the jail and for the proper guarding of the prisoners therein imprisoned, as provided for by law.

I desire in this connection to call your attention to the Act of 1897, chapter 364, having reference to the appointment of keepers by the Sheriff, which provides that the Sheriff may appoint keepers in Ludlow Street Jail not exceeding eleven. This act in my opinion warrants the appointment of eleven keepers.

Trusting that you will give this communication your prompt attention, I am,

Yours very sincerely, JULIUS HARBURGER, Sheriff.

Which was referred to the Committee on Finance.

The Vice Chairman laid before the Board the following communications from the Board of Estimate and Apportionment:

No. 321.

Board of Estimate and Apportionment, City of New York, Office of the Secretary, 277 Broadway, February 5, 1912.

Hon. JOHN PURROY MITCHEL, President, Board of Aldermen:

Dear Sir—I transmit herewith certified copies of six (6) resolutions adopted by the Board of Estimate and Apportionment February 1, 1912, recommending the establishment of grades of positions, etc., in the various City departments, as follows:

Cal. No.	Department.	Position.	Rate per Annum.	Number of Incumbents.
44	Health	Assistant Director of Bacteriological Laboratories,	$3,000 00	1
45	Public Charities	Inspector of Buildings	1,500 00	2
46	Parks, Borough of Queens.	Superintendent	4,000 00	1
	Parks, Borough of Queens.	Forester	1,650 00	1
	Parks, Borough of Queens.	Assistant Engineer	2,250 00	1
	Parks, Borough of Queens.	Draftsman	1,800 00	1
	Parks, Borough of Queens.	Clerk	1,050 00	1
50	Fire	Assistant Inspector of Combustibles	1,500 00	Unlimited.
70	Education	Janitors and Janitor-Engineer in various public schools, with compensation as set forth therein.		
71	Street Cleaning	Guard	1,200 00	1

I also transmit copies of reports of the Committee on Salaries and Grades relative thereto. Yours very truly, JOSEPH HAAG, Secretary.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Health of the grade of position, in addition to those heretofore established, as follows:

Title.	Rate per Annum.	Number of Incumbents.
Assistant Director of Bacteriological Laboratories	$3,000 00	1

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 10, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 30, 1911, the Board of Health requested the establishment in the Department of Health, pursuant to the provisions of section 56 of the Greater New York Charter, of the grade of position of Assistant Director of Bacteriological Laboratories, at the rate of $3,000 per annum, for an additional incumbent. In connection therewith we report as follows:

The grade is proposed for a change of title for a Medical Inspector, at $3,000, in No. 312, Research and Vaccine Laboratories. It is stated that the title of Medical Inspector does not conform to the work of the position, which is filled temporarily by Dr. Charles Krumwiede. The incumbent is also a bacteriologist, and with three other bacteriologists, this month he will enter a competitive Civil Service examination for promotion to the grade now proposed.

We recommend the adoption of the attached resolution approving the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen, Select Committee.

No. 322.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Public Charities of the grade of position, in addition to those heretofore established, as follows:

Title.	Rate per Annum.	Number of Incumbents.
Inspector of Buildings	$1,500 00	2

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 19, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On November 8, 1911, the Commissioner of Public Charities requested the establishment in his Department, pursuant to the provisions of section 56 of the Greater New York Charter, of the grade of position of Inspector of Buildings, at $1,500 per annum. In connection therewith we report as follows:

The position is requested to provide for the inspection of the work of construction and alterations of buildings continually going on in the Department. The services of such employees are not now available. In view of the fact that building operations on Blackwells and Randalls Islands, at the Kings County Hospital, and the Farm Colony, Richmond, representing an expenditure of upwards of $2,000,000, are proceeding under contract, it appears that the interests of the City would be conserved by the supervision of the work by Inspectors representing the Department of Charities. Similar positions are provided for in the Fire Department, Department of Education and the Bureau of Buildings in the offices of the Borough Presidents, the compensation ranging from $1,200 to $3,000 per annum.

We recommend, therefore, that the request be approved for two incumbents by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen, Committee on Salaries and Grades.

No. 323.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Parks, Borough of Queens, of the grades of positions, in addition to those heretofore established, as follows:

Title.	Rate per Annum.	Number of Incumbents.
Superintendent	$4,000 00	1
Forester	1,650 00	1
Assistant Engineer	2,250 00	1
Draftsman	1,800 00	1
Clerk	1,050 00	1

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 19, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 8, 1912, the Commissioner of Parks, Borough of Queens, requested the establishment in his Department, pursuant to the provisions of section 56 of the Greater New York Charter, of the following grades of positions:

	Rate per Annum.
Superintendent, 1 at	$4,000 00
Forester, 1 at	1,650 00
Assistant Engineer, 1 at	2,250 00
Draftsman, 1 at	1,800 00
Second Grade Clerk, 1 at	1,050 00

In connection therewith we report as follows:

In the Budget estimate for the year 1912, the position of Superintendent at $4,000 per annum was requested for the Department. It was the opinion of the Budget Committee that the Chief Engineer of the Department could also act as Superintendent, and the position, therefore, was not allowed. The Commissioner states that this experience in the organization of the Department has proven that a Superintendent is urgently needed, the time of the Chief Engineer being taken up exclusively by engineering work.

The position of Forester is provided for in the 1912 Budget, at $1,500 per annum. The Commissioner states that he finds it impossible to obtain the services of a forester with the proper qualifications at this compensation, but that one can be obtained at $1,650 per annum.

The position of Assistant Engineer was provided for in the 1912 Budget, at $2,400 per annum. The Commissioner states that one can be employed at $2,250, and therefore requests the lower rate.

The position of Draftsman was included in the 1912 Budget at $1,650. The Commissioner states that he cannot obtain a competent draftsman for less than $1,800 per annum.

The Commissioner states that the funds for the new positions and increased rates of compensation are to be provided by modification of the Budget schedules for the Department. No additional appropriation, therefore, will be required.

We recommend the adoption of the attached resolution approving the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen, Committee on Salaries and Grades.

No. 324.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Fire Department of the grade of position, in addition to those heretofore established, as follows:

Title.	Rate per Annum.	Number of Incumbents.
Assistant Inspector of Combustibles	$1,500 00	Unlimited.

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 17, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 4, 1912, the Fire Commissioner requested the establishment in his Department, pursuant to the provisions of section 56 of the Greater New York Charter, of the grade of position of Assistant Inspector of Combustibles, at the rate of $1,500 per annum, for an unlimited number of incumbents.

The position of Oil Surveyor is established in the Department for an unlimited number of incumbents at the rate of $1,500 per annum. There are twenty-two incumbents of the position. Their duties are the enforcement of the laws and regulations governing explosives and combustibles and not the analyzing of oils. At the request of the Fire Department, the Municipal Civil Service Commission has authorized a change in title from Oil Surveyor to Assistant Inspector of Combustibles, at the same rate of compensation. Establishment of the requested grade is necessary for the change.

We recommend that the request be approved by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Committee on Salaries and Grades.

No. 325.

Whereas, By opinions of the Corporation Counsel, as of June 28, 1910, and July 30, 1910, the Comptroller was advised that the payment of salaries of Janitors in the Department of Education is illegal unless such salary shall have been established under the provisions of section 56 of the Greater New York Charter; and

Whereas, The matter of adjusting the compensation of Janitors and the fixation of their salaries under the provisions of section 56 of the Charter is now in the hands of a Special Committee of the Board of Estimate and Apportionment; therefore be it

Resolved, That, pursuant to the provisions of section 56 of the Charter, the Board of Estimate and Apportionment hereby recommends to the Board of Aldermen, pending the report of said Committee, the compensation of Janitors in the Department of Education be fixed temporarily, and until further modified, in accordance with the following list:

Title.	School.	Compensation.
Janitor	112, Manhattan	$1,116 per annum.
Janitor, with knowledge of steam heating	26, The Bronx	2,088 per annum.
Janitor	20, Brooklyn	1,128 per annum.
Janitor-Engineer	32, Richmond	1,236 per annum.
Janitor	79, Manhattan	150 per month.
Janitor	32 (annex), Queens	50 per month.
Janitor	Washington Irving High School Annex, No. 146 Grand st., Manhattan	85 per month.
Janitor	106, Manhattan	90 per month.
Janitor	18, Brooklyn	100 per month.

Title.	School.	Compensation.
Janitor	144, Manhattan	60 per month.
Janitor	134, Manhattan	50 per month.
Janitor	33, Richmond	50 per month.

Janitor of Public School 9, The Bronx, $100 per annum, in addition to his present compensation, for the care of the office of the Deputy Superintendent of School Buildings, located in Public School 9.

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 23, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 13, 1912, the President of the Borough of Brooklyn requested the establishment in his office, pursuant to the provisions of section 56 of the Greater New York Charter, of the position of Inspector of Plastering, at $1,200 per annum, for two incumbents. In connection therewith we report as follows:

The request is in order to meet the requirement of section 50, chapter 156, Laws of 1911, as follows:

"The building department of every city of the first class shall have jurisdiction over all plastering except where it conflicts with the duties of any other department or conflicts with any law conferring on any other department supervision of any portion of plastering. For such purpose there shall be appointed in each building department in a city of the first class by the head thereof a sufficient number of inspectors to perform such work as is necessary in the enforcement of this article who, in addition to such qualifications as may be required by the civil service law, shall be competent plasterers of at least ten years' practical experience."

Through an oversight no request was made by the Borough President in the Budget for 1912 for the purpose of conforming with the requirements of this law.

We recommend the adoption of the attached resolution approving the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Committee on Salaries and Grades.

No. 326.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Street Cleaning of the position, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Guard	$1,200 00	1

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 18, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 4, 1912, the Commissioner of Parks, Boroughs of Manhattan and Richmond, requested the establishment, pursuant to the provisions of section 56 of the Greater New York Charter, of the grade of position of Horseshoer, at $4.50 per diem, for two incumbents. In connection therewith we report as follows:

The grade is requested to enable the Commissioner to comply with the rules of the Municipal Civil Service Commission. There are two incumbents employed under the title of Blacksmiths at the $4.50 rate, and the Commission has ruled that Horseshoer is their proper title. The request involves no additional appropriation.

We recommend the adoption of the attached resolution approving the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Committee on Salaries and Grades.

No. 327.

Board of Estimate and Apportionment, City of New York, Office of the Secretary, 277 Broadway, February 5, 1912.

Hon. JOHN PURROY MITCHEL, President, Board of Aldermen:

Dear Sir—I transmit herewith certified copies of three (3) resolutions adopted at various meetings of the Board of Estimate and Apportionment, recommending the establishment of positions and of additional grades of positions in the different City departments, as follows:

Cal. No.	Date of Meeting.	Department.	Position.	Rate Per Annum.	Number of Incumbents.
56	July 6, 1911	Education	Attendance Officer...	$900	Unlimited
		Education	Attendance Officer...	1,050	Unlimited
		Education	Attendance Officer...	1,350	Unlimited
		Education	Attendance Officer...	1,500	Unlimited
51	Sept. 21, 1911	Water Supply, Gas and Electricity.....	Consulting Engineer on Filtration.....	6,000	1
		Water Supply, Gas and Electricity.....	Division Engineer....	5,000	1
		Water Supply, Gas and Electricity.....	Division Engineer....	4,500	1
43	Dec. 14, 1911	Office, President, Borough of The Bronx	Clerk	600	Unlimited

These resolutions were not acted upon by the Board of Aldermen prior to January 1, 1912, and in accordance with the direction of the Board of Estimate and Apportionment, given at its meeting held January 25, 1912, and upon the request of the heads of the respective departments, they are hereby recertified.

Yours very truly, JOSEPH HAAG, Secretary.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Education of the grades of position, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Attendance Officer	$900 00	Unlimited
Attendance Officer	1,050 00	Unlimited
Attendance Officer	1,350 00	Unlimited
Attendance Officer	1,500 00	Unlimited

A true copy of resolution adopted by the Board of Estimate and Apportionment, July 6, 1911. JOSEPH HAAG, Secretary.

No. 328.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Water Supply, Gas and Electricity of the position and grades of positions, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Consulting Expert on Filtration.....	$6,000 00	1
Division Engineer	5,000 00	1
Division Engineer	4,500 00	1

A true copy of resolution adopted by the Board of Estimate and Apportionment, September 21, 1911. JOSEPH HAAG, Secretary.

No. 329.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the office of the President of the Borough of The Bronx of the grade of position, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Clerk	$600 00	Unlimited

A true copy of resolution adopted by the Board of Estimate and Apportionment, December 14, 1911. JOSEPH HAAG, Secretary.

Which were severally referred to the Committee on Salaries and Offices.

No. 330.

Board of Estimate and Apportionment, City of New York, Office of the Secretary, 277 Broadway, February 5, 1912.

Hon. JOHN PURROY MITCHEL, President, Board of Aldermen:

Dear Sir—I transmit herewith certified copies of four (4) resolutions adopted by the Board of Estimate and Apportionment February 1, 1912, relative to the issue of corporate stock, as follows:

Cal. No. 39. Amending resolution adopted July 17, 1911, which authorized the issue of $15,000 corporate stock, to provide for the purchase of museum cases for the Metropolitan Museum of Art, under the jurisdiction of the Department of Parks, Boroughs of Manhattan and Richmond, by making the words "to provide means for the purchase of museum cases" read ' to provide means for the purchase of materials for, and the construction of, museum cases."

Cal. No. 40. Amending resolution adopted July 17, 1911, which authorized the issue of $586,763 corporate stock for the payment of salaries and wages of the departmental construction force, Department of Docks and Ferries, from August 1 to December 31, 1911, by striking therefrom the words "August 1 to December 31, 1911."

Cal. No. 41. Authorizing issue of $950,000 corporate stock, for the extension of the high-pressure fire service in the district north of 23d st., in the Borough of Manhattan, under the jurisdiction of the Department of Water Supply, Gas and Electricity.

Cal. No. 58. Authorizing issue of $60,000 corporate stock, for making certain structural alterations in the building on the southeast corner of 23d st. and Lexington ave., occupied by the College of The City of New York.

I also transmit copies of reports of the Corporate Stock Budget Committee relative thereto. Yours very truly, JOSEPH HAAG, Secretary.

Resolved, That, subject to the concurrence herewith of the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on July 17, 1911, and approved by the Board of Aldermen on July 25, 1911, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding fifteen thousand dollars ($15,000), *to provide for the purchase of museum cases* for the Metropolitan Museum of Art, under the jurisdiction of the Department of Parks, Boroughs of Manhattan and Richmond, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid,"

—be amended by making the words *"to provide means for the purchase of museum cases"* read *"to provide means for the purchase of materials for, and the construction of, museum cases."*

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 19, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 18, 1911, the Commissioner of Parks, Boroughs of Manhattan and Richmond, requested amendment of a resolution, in the 1911 Corporate Stock Budget, authorizing $15,000 for the "purchase of museum cases" for the Metropolitan Museum of Art. In connection therewith we report as follows:

The Trustees of the Museum state that it would be much more advantageous, and that much better results would be obtained by having the cases constructed at the Museum under the immediate supervision of the Museum authorities, as is now being done in the Museum of Natural History. It is therefore proposed to make the appropriation available for materials and construction.

We recommend the adoption of the attached resolution approving the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan; Corporate Stock Budget Committee.

Which was referred to the Committee on Finance.

No. 331.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following resolution adopted by the Board of Estimate and Apportionment at a stated meeting held February 1, 1912:

Resolved, That, subject to the concurrence herewith of the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on July 17, 1911, and concurred in by the Board of Aldermen on July 25, 1911, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, and section 180 of the said Charter, and the recommendation of the Commissioners of the Sinking Fund by resolution adopted July 12, 1911, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding five hundred and eighty-six thousand seven hundred and sixty-three dollars ($586,763), to provide means for the payment of salaries and wages of the departmental construction force of the Department of Docks and Ferries from *August* 1 *to December* 31, 1911, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid,"

—be amended by striking out the words *"from August* 1 *to December* 31, 1911."

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 22, 1912:

To the Board of Estimate and Apportionment:

Gentlemen—On January 15, 1912, the Commissioner of Docks requested amendment of a resolution appropriating $586,763 for the Department of Docks and Ferries. In connection therewith we report as follows:

The appropriation was recommended by the Commissioners of the Sinking Fund on July 12, 1911, for "the payment of salaries and wages of the departmental construction force." The appropriation was approved by the Board of Estimate and Apportionment on July 17, 1911, and by the Board of Aldermen on July 23, 1911, with the stipulation that the authorization was for payment of the salaries and wages "from August 1 to December 31, 1911." There is a balance of approximately $260,000 in the fund, and it is proposed to make the amount available for salaries and wages on and after Januaryy 1, 1912. Payrolls are withheld pending the amendment.

We recommend the adoption of the attached resolution granting the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan; Corporate Stock Budget Committee.

Alderman Curran moved the adoption of this resolution.

The Vice-Chairman put the question whether the Board would agree with said resolution.

Which was unanimously decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Boschen, Bosse, Brush, Carberry, Cumuskey, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Gaynor, Gelbke, Gilmore, Hagenmiller, Hamilton, Hannon, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, McGrath, Marks, Martyn, Moore, Morrison, Muhlbauer, Mulligan, Nicoll, Nugent, O'Connor, O'Rourke, Pendry, Post, Reardon, Smith, Walsh, Weil, Wendel, Weston, White, Willard; President Cromwell, by L. L. Tribus, Commissioners of Public Works; President Steers, and the Vice-Chairman—57.

No. 332.

Resolved, That, pursuant to the provisions of section 178 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding nine hundred and fifty thousand dollars ($950,000), to provide means for the improvement of the water supply system of the Borough of Manhattan by the extension of the high-pressure fire service in a district north of 23d st. in said Borough, under the jurisdiction of the Department of Water Supply, Gas and Electricity, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid.

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 15, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 21, 1911, the Commissioner of Water Supply, Gas and Electricity requested an issue of $1,000,000 in corporate stock, pursuant to the provisions of section 178 of the Greater New York Charter, to provide means for the extension of the high-pressure fire service system in the Borough of Manhattan. In connection therewith we report as follows:

The districts now protected by high-pressure service cover an area of 2,221 acres, bounded by the North River, 23d st., Madison ave., 24th st., Lexington ave. and Irving place, 14th st., Bowery, Houston st., East River, Maiden lane, Park row and Chambers st. These districts are known as Districts Nos. 1, 3, 5, 6, 7 and 8.

The districts south of 23d st. still unprotected by high-pressure service are as follows:

District No. 2, bounded by 14th st., Bowery, E. Houston st. and East River. The Commissioner states that this district is now provided with good fire protection through the installation of new 12-inch mains of the low-pressure distribution system.

Districts Nos. 4 and 9, bounded by Chambers st., North River, Battery, East River, Maiden lane, Nassau st. and Park row, an area of approximately 291 acres, plans for which are completed and in which construction will be begun shortly.

The Commissioner proposes gradually to extend the system to Districts Nos. 10, 11, 12 and 13, an area of approximately 1,707 acres, bounded by 23d st., Madison ave., E. 24th st., Lexington ave., E. 33d st., Madison ave., 59th st. and North River.

The present request for $1,000,000 is to provide for the extension of the service to District No. 10, lying between 23d st. and 34th st., North River and Madison ave., an area of approximately 456 acres. The Commissioner states the following:

It is my intention, as soon as the necessary appropriation is granted, to proceed actively with the preparation of plans and specifications for the installation of the high-pressure service in District No. 10 so that the contracts will be advertised toward the end of 1912, and the bulk of the work done in 1913, and completed, either at the end of that year, or in the first part of 1914.

The departmental engineers have submitted a memorandum showing in detail the estimated cost of the proposed extension.

In view of the prices paid for similar work in the districts already completed, and the possibility of additional rock excavation being required in the district north of 23d st., the estimate of $989,000 does not appear to be excessive.

The momorandum, however, includes an item of $47,000 for salaries and wages of the Engineering Force of the Department. The engineering expenses in connection with the work have either been provided for in existing appropriations, or will be taken care of in the 1912 Corporate Stock Budget. An appropriation of $950,000 at this time appears to be ample to provide for the proposed extension.

The method of extinguishing fires by means of high-pressure water pipes has proven successful and the extension of the present system should be made without unnecessary delay.

We recommend, therefore, the adoption of the attached resolution approving of the request to the extent of $950,000. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan; Corporate Stock Budget Committee.

No. 333.

Resolved, That pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves the issue of corporate stock of The City of New York to an amount not exceeding sixty thousand dollars ($60,000), for the purpose of providing means for making certain structural alterations in the building situate at the southeast corner of 23d st. and Lexington ave., occupied by the College of The City of New York, and that when authority shall have been obtained from the Board of Aldermen the Comptroller be and is hereby authorized to issue corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter to an amount not exceeding sixty thousand dollars ($60,000), the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid.

A true copy of resolution adopted by the Board of Estimate and Apportionment, February 1, 1912. JOSEPH HAAG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912:

To the Board of Estimate and Apportionment:

Dear Sirs—At a meeting of this Board, held on January 25, 1912, there was referred to the Corporate Stock Budget Committee the request of the College of The City of New York for an appropriation of $50,000 for the purpose of putting that portion of the old college buildings known as the 23d st. building, situate at the corner of Lexington ave. and 23d st., Borough of Manhattan, in proper condition for the use and benefit of the students of the college.

The students for whose use this building is to be put into repair, are at present occupying a building on 22d st., between Lexington and 3d aves., which is connected with the 23d st. building. The college has agreed to vacate this 22d st. building and to request its transferrence to the President of the Borough of Manhattan for the purpose of a Children's Court site, for which this location is admirably suited. The plot of ground occupied by the building and yard covers in area 100 feet by 75 feet, more or less, and is well adapted to the purposes of the Children's Court.

The entire 23d st. building will not be required to house the students now occupying the 22d st. building, and the college is prepared to put at the disposal of the Board of Estimate and Apportionment, the basement and first floor of this building for the purposes of a Permanent Museum, the establishment of which has been under consideration by the Committee on Budgetary Publicity for some time, and which the Committee strongly believes should be undertaken. Such a museum would, by reason of its collection of exhibits explaining and demonstrating municipal activities, be an important educational factor in the community; would take the place in large part of the budget exhibits which have been held for the past two years, and would also offer excellent facilities for the inculcation of civic ideals and public-spirited conceptions of municipal administration. The location of this building for a purpose of this kind is excellent on account of its central position and its accessibility to a large number of transit facilities.

The request of the City College is based on a preliminary estimate covering the repairs needed to put the building, exclusive of the basement and first floor, in good condition, and an additional amount of $10,000 will be required to cover the cost of altering these two floors.

Your Committee accordingly recommends that the sum of $60,000 corporate stock be authorized. The adoption of the attached resolution will put this recommendation into effect. Respectfully submitted,

WM. A. PRENDERGAST, Comptroller, Chairman; GEORGE McANENY, President, Borough of Manhattan; A. L. KLINE, Acting President, Board of Aldermen; Corporate Stock Budget Committee.

Which were severally referred to the Committee on Finance.

ORDINANCES AND RESOLUTIONS RESUMED.

Alderman Dowling asked and obtained unanimous consent to introduce the following:

No. 334.

Whereas, The Board of Estimate and Apportionment, through its Corporate Stock Budget Committee, directed all City, County and Borough Departments to present estimates for corporate stock requirements for the year beginning July 1, 1912, on or before the first meeting in January, 1912; and

Whereas, Ample time is thus afforded the Corporate Stock Budget Committee of the Board of Estimate and Apportionment to consider all phases of the requests and requirements of the said Departments, and determine the division of allotment to each Department for the coming year, and inasmuch as such a review of the Departmental needs should not engage said Committee, with the facilities at its command, more than four months, therefore be it

Resolved, That the Board of Estimate and Apportionment be and it is hereby requested to prepare the Corporate Stock Budget for the year beginning July 1, 1912, so that it may be presented to the Board of Aldermen for consideration not later than Tuesday, May 7, 1912.

Which was adopted.

REPORTS OF STANDING COMMITTEES.

Reports of Committee on Finance:

Nos. 38, 226 and 227.

The Committee on Finance, to which was referred on January 9 and 30, 1912 (Minutes, pages 23, 243 and 244) certain communications known as Introductory Nos. 38, 226 and 227, respectfully

REPORTS:

That these matters require no further consideration. Two are statements in relation to the financial standing of the City, the third a request for special revenue bonds withdrawn by the Chief of the Bureau of Licenses. The Committee recommends that the said communications be placed on file.

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

Which report was accepted.

No.229—(G. O. No. 41).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 246), the annexed resolution in favor of an issue of $437.50 for expenses in acquiring title for property required on account of bridge over Hutchinson River, The Bronx, respectfully

REPORTS:

That, having examined the subject, it believes the proposed issue to be necessary to comply with order of the Court. It, therefore, recommends that the accompanying ordinance be adopted.

AN ORDINANCE providing for an issue of corporate stock of The City of New York in the sum of four hundred and thirty-seven dollars and seventy-five cents ($437.75) to provide means for the payment of the bill of costs and expenses relative to acquiring title to lands and premises required for the construction of the bridge over the Hutchinson River, Borough of The Bronx.

Be It Ordained by the Board of Aldermen of The City of New York as follows:

Section 1. The Board of Aldermen hereby approves of and concurs in the following resolution, adopted by the Board of Estimate and Apportionment January 18, 1912, and authorizes the Comptroller to issue corporate stock of The City of New York to the amount and for the purposes therein specified:

Resolved, That pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding four hundred and thirty-seven dollars and seventy-five cents ($437.75), for the purpose of providing means for the payment of the bill of costs and expenses, as taxed by Mr. Justice Ford, of the Supreme Court, under date of December 22, 1911, in favor of the Commissioners of Estimate and Appraisal and The City of New York, relative to acquiring title wherever the same has not been heretofore acquired to the lands and premises required for the construction of the bridge over the Hutchinson River, on the line of the Boston road, Borough of The Bronx, City of New York, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding four hundred and thirty-seven dollars and seventy-five cents ($437.75), the proceeds whereof to the amount of the par value thereof, to be applied to the purposes aforesaid.

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 230—(G. O. No. 42).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 246), the annexed resolution in favor of amending resolution for $80,000 for building for the Fire Department at 111th st. near 2d ave., respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a decrease of $12,750, to be applied to other buildings. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding eighty thousand dollars ($80,000), for the purpose of providing means for the erection of a new building at 111th street, near 2d avenue, for the use of the Fire Department of The City of New York, for quarters for double engine and hook and ladder company, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *eighty thousand dollars* ($80,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *sixty-seven thousand two hundred and fifty dollars* ($67,250).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 231—(G. O. No. 43).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 248), the annexed resolution in favor of amending resolution for $85,000 corporate stock for building for Fire Department on W. 181st st., respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of $11,500, to be applied to other construction in the Fire Department. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding eighty-five thousand dollars ($85,000), for the purpose of providing means for the erection of a new building at north side of West 181st st., between Amsterdam and Audubon aves., for the use of the Fire Department of The City of New York, for quarters for double engine and hook and ladder companies, and when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *eighty-five thousand dollars* ($85,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *seventy-three thousand five hundred dollars* ($73,500).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 232—(G. O. No. 44).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 248), the annexed resolution in favor of amending resolution for $70,000 corporate stock for building for the Fire Department, Morris ave. between 168th st. and 169th st., respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of $14,500, to be applied to other construction for the Fire Department. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding seventy thousand dollars ($70,000), for the purpose of providing means for the erection of a new building at Morris ave., between 168th and 169th sts., for the use of the Fire Department of The City of New York, for quarters for engine and hook and ladder companies, and that, when authority therefore shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *seventy thousand dollars* ($70,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *fifty-five thousand five hundred dollars* ($55,500).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 233—(G. O. No. 45).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 248), the annexed resolution in favor of amending resolution for $78,000 corporate stock for building for Fire Department at Lexington ave. and 50th st., respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of $20,000, to be applied to other construction. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding seventy-eight thousand dollars ($78,000), for the purpose of providing means for the erection of a new building at southeast corner of Lexington ave. and 50th st., in place of the present structure, for the use of the Fire Department of The City of New York, for quarters for double company and Chief of Battalion, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *seventy-eight thousand dollars* ($78,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *fifty-eight thousand dollars* ($58,000).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 234—(G. O. No. 46).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 249), the annexed resolution in favor of amending resolution for $50,000 corporate stock for building for Fire Department at Prospect ave. and 152d st., respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of $14,500, to be applied to other construction for this Department. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding fifty thousand dollars ($50,000), for the purpose of providing means for the erection of a new building at Prospect ave. and 152d st., adjoining quarters of Engine Company 73, for the use of the Fire Department of The City of New York, for quarters for hook and ladder company, and to add one story to the present structure of Engine Company 73, and that, when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *fifty thousand dollars* ($50,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *thirty-five thousand five hundred dollars* ($35,500).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 235—(G. O. No. 47).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 249), the annexed resolution in favor of amending resolution for $35,000 corporate stock for building for Fire Department at 582 Knickerbocker ave., Brooklyn, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of 4,000 to be applied to other construction for this Department. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding thirty-five thousand dollars ($35,000), for the purpose of providing means for the erection of a new building at No. 582 Knickerbocker ave., Brooklyn, for the use of the Fire Department of The City of New York for quarters for engine company, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *thirty-five thousand dollars* ($35,000), the proceeds whereof to be applied to the purpose aforesaid."

—be amended to make the amount read *thirty-one thousand dollars* ($31,000).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 236—(G. O. No. 48).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 249), the annexed resolution in favor of amending resolution for $63,000 corporate stock for building for the Fire Department at 191 Fulton st., respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of $22,000 to be applied to other construction for this Department.

The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding sixty-three thousand dollars ($63,000), for the purpose of providing means for the erection of a new building at No. 191 Fulton st., Borough of Manhattan, in place of the present structure, for the use of the Fire Department of The City of New York, for quarters for truck, boat tender and Chief, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *sixty-three thousand dollars* ($63,000), the proceeds whereof to be applied to the purpose aforesaid."

—be amended to make the amount read *forty-one thousand dollars* ($41,000).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 237—(G. O. No. 49).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 249), the annexed resolution in favor of amending resolution for $80,000 corporate stock for building for Fire Department at Bailey ave. and Boston road, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of $9,250 to be applied to other construction for this Department.

The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding eighty thousand dollars ($80,000), for the purpose of providing means for the erection of a new building at Bailey ave. and Boston road for the use of the Fire Department of The City of New York, for quarters for engine and hook and ladder companies, and that, when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *eighty thousand dollars* ($80,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *seventy thousand seven hundred and fifty dollars* ($70,750).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 238—(G. O. No. 50).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 250), the annexed resolution in favor of amending resolution for $46,000 corporate stock for building for Fire Department at Unionport, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of $11,000 to be applied to other construction in this Department.

The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding forty-six thousand dollars ($46,000), for the purpose of providing means for the erection of a new building at Unionport, Borough of The Bronx, adjoining Engine Company 64, for the use of the Fire Department of The City of New York, for quarters for hook and ladder companies, and that, when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *forty-six thousand dollars* ($46,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *thirty-five thousand dollars* ($35,000).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOMAS J. MULLIGAN, HENRY F. GRIMM, JAMES HAMILTON, Committee on Finance.

No. 239—(G. O. No. 51).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 250), the annexed resolution in favor of amending resolution for $35,000

corporate stock for building for Fire Department at 7th ave. near 50th st., Brooklyn, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This is a saving of $3,500 to be applied to other construction in this Department.

The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding thirty-five thousand dollars ($35,000), for the purpose of providing means for the erection of a new building at 7th ave., near 50th st., Brooklyn, for the use of the Fire Department of The City of New York, for quarters for engine company, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *thirty-five thousand dollars* ($35,000), the proceeds whereof to be applied to the purpose aforesaid."

—be amended to make the amount read *thirty-one thousand five hundred dollars* ($31,500).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 240—(G. O. No. 52).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 250), the annexed resolution in favor of amending resolution for $40,000 corporate stock for building for Fire Department at Spruce st,, Richmond Hill, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This permits of the expenditure of $12,750 additional for this building, which amount was saved by reduction in cost of similar structures in other localities. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding forty thousand dollars ($40,000), for the purpose of providing means for the erection of a new building at Spruce st., near Atlantic ave., Richmond Hill, for the use of the Fire Department of The City of New York, for quarters for engine and hook and ladder companies, and that, when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *forty thousand dollars* ($40,000), the proceeds whereof to be applied to the purpose aforesaid."

—be amended to make the amount read *fifty-two thousand seven hundred and fifty dollars* ($52,750).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 241—(G. O. No. 53).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 250), the annexed resolution in favor of amending resolution for $20,000 corporate stock for new building for Fire Department at 124 DeKalb ave., respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary, to permit of the addition of the sum of $11,500 to the cost of this building, which amount has been saved in the cost of other like structures. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding twenty thousand dollars ($20,000), for the purpose of providing means for improving, permanently bettering and equipping the building at No. 124 DeKalb ave., Brooklyn, quarters of Engine Company 156, for the use of the Fire Department of The City of New York, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *twenty thousand dollars* ($20,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *thirty-one thousand five hundred dollars* ($31,500).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 242—(G. O. No. 54).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 251), the annexed resolution in favor of amending resolution for $40,000 corporate stock for new building for Fire Department at 12th ave., near 42d st., Brooklyn, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary, to permit $6,150 to be added to the amount appropriated for this building, this sum having been saved in the cost of other buildings. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding forty thousand dollars ($40,000), for the purpose of providing means for the erection of a new building at 12th ave., near 42d st., Brooklyn, for the use of the Fire Department of The City of New York for quarters for engine and hook and ladder companies, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *forty thousand dollars* ($40,000), the proceeds whereof to be applied to the purpose aforesaid."

—be amended to make the amount read *forty-six thousand one hundred and fifty dollars* ($46,150).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 243—(G. O. No. 55).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 251), the annexed resolution in favor of amending resolution for $55,000 corporate stock for acquisition of a site and erection of a building for the Fire Department at Avenue C and E. 16th st., Brooklyn, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This adds $8,350 for the erection of the building, this amount being a saving from other corporate stock accounts. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding *fifty-five thousand dollars* ($55,000), to be use as follows: Fifteen thousand dollars ($15,000) for the acquisition of a site in the vicinity of Avenue C and E. 16th st., Brooklyn, and *forty thousand dollars* ($40,000) for the erection of a new building thereon, for the use of the Fire Department of The City of New York for quarters for engine and hook and ladder company, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided for by section 169 of the Greater New York Charter, to an amount not exceeding *fifty-five thousand dollars* ($55,000), to be applied to the purposes aforesaid."

—be amended to read as follows:

Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding *sixty-three thousand three hundred and fifty dollars* ($63,350), to be used as follows: Fifteen thousand dollars ($15,000) for the acquisition of a site in the vicinity of Avenue C and E. 16th st., Brooklyn, and *forty-eight thousand three hundred and fifty dollars* ($48,350) for the erection of a new building thereon, for the use of the Fire Department of The City of New York for quarters for engine and hook and ladder company, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided for by section 169 of the Greater New York Charter, to an amount not exceeding *sixty-three thousand three hundred and fifty dollars* ($63,350), to be applied to the purposes aforesaid."

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 244—(G. O. No. 56).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 252), the annexed resolution in favor of amending resolution for $50,000 corporate stock for building for Fire Department at Far Rockaway, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This allows an addition of $17,500 to the cost of this building, this sum having been saved in the cost of erection of other building for this Department. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding fifty thousand dollars ($50,000), for the purpose of providing means for the erection of a new building at Central ave., near Mott ave., Far Rockaway, for the use of the Fire Department of The City of New York, for quarters for double engine company, hook and ladder company and battery room, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *fifty thousand dollars* ($50,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *sixty-seven thousand five hundred dollars* ($67,500).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 245—(G. O. No. 57.).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 252), the annexed resolution in favor of amending resolution for $45,000 corporate stock for building for Fire Department at 489-491 St. Johns place, Brooklyn, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This allows an additional amount of $18,500 to be expended for this new building, made possible by a saving on other similar buildings for this Department. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding forty-five thousand dollars ($45,000), for the purpose of providing means for the erection of a new building at Nos. 489 and 491 St. Johns place, Brooklyn, for the use of the Fire Department of The City of New York for quarters for engine and hook and ladder companies, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *forty-five thousand dollars* ($45,000), the proceeds whereof to be applied to the purpose aforesaid."

—be amended to make the amount read *sixty-three thousand five hundred dollars* ($63,500).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 246—(G. O. No. 58.).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 252), the annexed resolution in favor of amending resolution for $20,000 corporate stock for improving, bettering and equipping building at 160 Carlton ave., Brooklyn, used by the Fire Department, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This permits of an additional expenditure of $15,000 for this purpose,

which amount has been saved in other directions. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding twenty thousand dollars ($20,000), for the purpose of providing means for improving, permanently bettering and equipping the building at No. 160 Carlton ave., Brooklyn, quarters of Engine Company 110, for the use of the Fire Department of The City of New York, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *twenty thousand dollars* ($20,000), the proceeds whereof to be applied to the purposes aforesaid."

--be amended to make the amount read *thirty-five thousand dollars* ($35,000).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 247—(G. O. No. 59.).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 252), the annexed resolution in favor of amending resolution for $45,000 corporate stock for building for Fire Department, south side of Metropolitan ave., east of Varick st., Brooklyn, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This allows an additional expenditure of $15,000 for this building, which amount has been saved in the erection of other buildings for this Department. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding forty-five thousand dollars ($45,000), for the purpose of providing means for the erection of a new building at south side of Metropolitan ave., east of Varick st. (Brooklyn), for the use of the Fire Department of The City of New York, for quarters for engine and hook and ladder companies, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *forty-five thousand dollars* ($45,000), the proceeds whereof to be applied to the purposes aforesaid."

--be amended to make the amount read *sixty thousand dollars* ($60,000).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 248—(G. O. No. 60.).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 253), the annexed resolution in favor of amending resolution for $20,000 corporate stock for improving, bettering and equipping building used by Fire Department at 533 Hicks st., Brooklyn, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This adds the sum of $12,250 for this purpose, which amount has been saved in the erection of buildings for said Department. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding twenty thousand dollars ($20,000), for the purpose of providing means for improving, permanently bettering and equipping the building at No. 533 Hicks st., Brooklyn, quarters of Engine Company 103, for the use of the Fire Department of The City of New York, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *twenty thousand dollars* ($20,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *thirty-two thousand two hundred and fifty dollars* ($32,250).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 249—(G. O. No. 61.).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 253), the annexed resolution in favor of amending resolution for $35,000 corporate stock for building for Fire Department at Tompkinsville, respectfully

REPORTS:

That, having examined the subject, it believes the proposed amendment to be necessary. This adds $6,000 to the amount already appropriated for this building, which has been obtained by a saving on other buildings. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a stated meeting held January 18, 1912:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 28, 1910, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding thirty-five thousand dollars ($35,000), for the purpose of providing means for the erection of a new building at Sarah Ann st., corner of Hannah st., Tompkinsville, New York, for the use of the Fire Department of The City of New York, for quarters for Engine Company 204, and that, when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *thirty-five thousand dollars* ($35,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *forty-one thousand dollars* ($41,000).

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. A. POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOMAS J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

No. 300—(G. O. No. 62.).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 385), the annexed resolution in favor of authorizing the President of the College of The City of New York to draw from time to time upon the Comptroller, $100 at a time, up to the limit of his contingency account, respectfully

REPORTS:

That this is the usual resolution, granting annually the power to draw in advance upon the Contingent account. The Committee recommends that the said resolution be adopted.

Resolved, That for the purpose of defraying minor incidental expenses contingent to the office of the President of the College of The City of New York, said President may, by requisition, draw upon the Comptroller for a sum not exceeding one hundred dollars ($100), and may, in like manner, renew the draft as often as he may deem necessary, to the extent of the appropriation set apart for contingencies in his office during the year 1912; but no such renewal shall be made until the money paid upon the preceding draft shall be accounted for to the Comptroller by the transmittal of a voucher or vouchers, certified by said President of the College of The City of New York, covering the expenditure of the money paid thereon.

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, HENRY F. GRIMM, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

Which were severally laid over under the rule.

No. 250—(S. O. No. 18.).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 253), the annexed communication from the Commissioner of Parks, Manhattan and Richmond, asking for $3,500 special revenue bonds for alterations to a comfort station in Chelsea Park, respectfully

REPORTS:

That Commissioner Stover appeared before the Committee and urged the necessity for this appropriation, the details of which are fully set forth in the letter of request. The Committee believes the proposed action by the Park Commissioner to be wise and the expense reasonable, and, therefore, recommends that the accompanying resolution be adopted.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of three thousand five hundred dollars ($3,500), the proceeds whereof to be used by the Commissioner of Parks, Manhattan and Richmond, for the purpose of making alterations to comfort station in Chelsea Park.

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

The City of New York, Department of Parks, Boroughs of Manhattan and Richmond, Arsenal, Central Park, January 22, 1912.

To the Honorable the Board of Aldermen, The City of New York:

Gentlemen—I respectfully request an issue of special revenue bonds to an amount of $3,500, the proceeds whereof to be used in making necessary alterations to the comfort station in Chelsea Park.

This building was designed and erected for the accommodation of small children, with a view of erecting another building at the westerly end of the park at a cost of $30,000 for the accommodation of men and boys.

After a careful study of the existing conditions I came to the conclusion that certain alterations in the children's building would eliminate the necessity of going to the expense of $30,000 for the erection of an additional building, and as there was an unexpended balance of several thousand dollars in the corporate stock appropriation made for the erection and equipment of the said building, I determined to make the necessary alterations out of that balance. Plans and specifications with form of contract were transmitted to the Board of Estimate and Apportionment for approval and referred by the said Board to the Comptroller for consideration and report. The Engineer in that Department, to whom the matter was assigned, was of the opinion that, in view of the fact that the work consisted mainly of alterations and repairs caused by alteration, that this work was not a proper charge against a corporate stock account and recommended that revenue bonds be requested.

The building was designed for small children and contains a toilet room, entrance lobby and Attendant's room. It is proposed to alter the building by equipping same for the accommodation of men and boys, as the present women's building provides ample accommodations for children.

Plans and specifications have been prepared, and are ready to advertise for bids as soon as the necessary appropriation is available.

I desire further to state that the unexpended balance in the corporate stock fund amounting to several thousand dollars, which I intended to use for the purpose of making the desired alterations, will be placed at the disposal of the Comptroller for rescindment.

Your immediate action upon this request, if favorable, will enable me to start the work in the early spring and have the building in readiness to accommodate the vast crowds which frequent the park and playground during the summer months.

Respectfully,

CHAS. B. STOVER, Commissioner of Parks, Boroughs of Manhattan and Richmond.

No. 263—(S. O. No. 19.).

The Committee on Finance, to which was referred on January 30, 1912 (Minutes, page 268), a request from the City Chamberlain for an issue of $180 special revenue bonds for the purpose of purchasing a safe, respectfully

REPORTS:

That Deputy Chamberlain Walsh appeared before the Committee and stated that it was an absolute necessity to obtain a perfectly fireproof safe in which to house trust company funds and redemption bonds, and that this sum would secure a proper safe. The Committee recommends that the accompanying resolution be adopted.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of one hundred and eighty dollars ($180), the proceeds whereof to be used by the City Chamberlain for the purpose of purchasing a safe.

HENRY H. CURRAN, ROBERT F. DOWNING, JOHN DIEMER, C. AUGUSTUS POST, BRYANT WILLARD, JOHN S. GAYNOR, THOS. J. MULLIGAN, JAMES HAMILTON, Committee on Finance.

Which were severally laid over under the rule.

Reports of Committee on Salaries and Offices—

No. 58—(G. O. No. 63).

The Committee on Salaries and Offices, to which was referred on January 9, 1912, (Minutes, page 41), the annexed resolution in favor of establishing grade of Electrician in the Department of Bridges, at $4.50 per diem, respectfully

REPORTS:

That Deputy Commissioner Sinnott appeared before the Committee and explained that this was a change of title from Wireman to Electrician, and the wages were at the prevailing rate. The Committee recommends that the accompanying resolution be adopted.

Whereas, The Board of Estimate and Apportionment adopted the following resolution at a stated meeting held January 4, 1912:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Bridges of the grade of position, in addition to those heretofore established, as follows:

Title of Position.	Rate of Compensation.	No. of Incumbents.
Electrician, per diem.....	$4 50	Unlimited.

Resolved, That the Board of Aldermen hereby approves of and concurs in the above resolution and fixes the compensation of said position as set forth therein.

PERCY L. DAVIS, JAMES R. WESTON, JAS. F. MARTYN, HUGH J. CUMMUSKEY, MICHAEL CARBERRY, ROBERT H. BOSSE, NILES R. BECKER, JACOB WEIL, EDWARD EICHHORN, Committee on Salaries and Offices.

No. 177—(G. O. No. 64).

The Committee on Salaries and Offices, to which was referred on January 23, 1912, (Minutes, page 146) the annexed resolution in favor of establishing grade of Medical Examiner, Department of Finance, at $4,000 per annum, respectfully

REPORTS:

That Comptroller Prendergast appeared before the Committee and explained that this increase of $1,500 per annum was no more than commensurate with the increased amount of work devolved upon this position, especially in connection with the new retirement law. The present incumbent has been two years in the service, and has proved most efficient. The Committee believes this increase to be well warranted by the services rendered, and, therefore, recommends that the accompanying resolution be adopted.

Whereas, The Board of Estimate and Apportionment adopted the following resolution at a stated meeting held February 9, 1911:

Resolved, That the Board of Estimate and Apportionment, in accordance with the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen, the establishment of the grade of position of Medical Examiner in the Department of Finance, in addition to those already existing therein, with salary at the rate of four thousand dollars ($4,000) per annum.

Resolved, That the Board of Aldermen hereby approves of and concurs in the above resolution and fixes the salary of said position as set forth therein.

PERCY L. DAVIS, JAMES R. WESTON, JAS. F. MARTYN, HUGH J. CUMMUSKEY, MICHAEL CARBERRY, ROBERT H. BOSSE, NILES R. BECKER, JACOB WEIL, EDWARD EICHHORN, Committee on Salaries and Offices.

No. 208—(G. O. No. 65).

The Committee on Salaries and Offices, to which was referred on January 23, 1912, (Minutes, page 205) the annexed resolution correcting a clerical error in a resolution fixing compensation of certain Janitors and Janitor-Engineers, respectfully

REPORTS:

That, having examined the subject, it believes the proposed change to be necessary. It, therefore, recommends that the said resolution be adopted.

Resolved, That so much of the resolution fixing the compensation of certain Janitors and Janitor-Engineers in the Department of Education adopted by the Board of Estimate and Apportionment December 21, 1911, approved of and concurred in by the Board of Aldermen December 29, 1911, and which was received from his Honor the Mayor January 16, 1912, as relates to the item "Janitor, Public School 104, Brooklyn, compensation, $3,000 per annum," be and the same is hereby amended so as to read "Janitor, Public School 104, Manhattan, compensation, $3,000 per annum," the same being a clerical and typographical error, as deduced from the recommendation made on the question by the Select Committee of the Board of Estimate and Apportionment.

PERCY L. DAVIS, JAMES R. WESTON, JAS. F. MARTYN, HUGH J. CUMMUSKEY, MICHAEL CARBERRY, ROBERT H. BOSSE, NILES R. BECKER, JACOB WEIL, EDWARD EICHHORN, Committee on Salaries and Offices.

No. 228—(G. O. No. 66).

The Committee on Salaries and Offices, to which was referred on January 30, 1912 (Minutes, page 245), the annexed resolution in favor of fixing grade of Secretary to the Department of Bridges at $4,000 per annum, respectfully

REPORTS:

That Deputy Commissioner Sinnott appeared before the Committee and urged the adoption of this resolution. He submitted the attached memorandum, which explains in detail the reason for the application, and further states that the position of Secretary to the Commissioner, commanding an equal salary, was to be abolished. The Committee believes this change to be for the interest of the Department, and, therefore, recommends that the accompanying resolution be adopted.

Whereas, The Board of Estimate and Apportionment adopted the following resolution at a stated meeting held January 18, 1912:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Bridges of the grade of the position, in addition to those heretofore established, as follows:

Title of Position.	Compensation. Per annum.	No. of Incumbents.
Secretary to Department	$4,000 00	1

—and further recommends that, when the said position shall have been approved for the Department of Bridges by the Municipal Civil Service Commission and the State Civil Service Commission, and the necessary schedule modification, to provide for the compensation of a Secretary to the Department in the Department of Bridges shall have been approved by the Board of Estimate and Apportionment, the grade of position of Secretary to the Commissioner, at $4,000 per annum, in the Department of Bridges, be abolished.

Resolved, That the Board of Aldermen hereby approves of and concurs in the above resolution and fixes the salary of said position as set forth therein.

PERCY L. DAVIS, JAS. R .WESTON, JAS. F. MARTYN, HUGH J. CUMMUSKEY, MICHAEL CARBERRY, ROBERT H. BOSSE, NILES R. BECKER, JACOB WEIL, EDWARD EICHHORN, Committee on Salaries and Offices.

Attached hereto is a memorandum showing a list of 10 City Departments having two or more Secretaries. Of this 10, 9 have the position of Secretary to the Department and 9 of these Departments pay salaries varying from $500 to $6,400 more than the total proposed to be paid to the Secretaries of this Department. In every case the secretarial positions are exempt, being of a confidential nature.

In this Department the position is at present filled by a member of the engineering force as Acting Secretary, and amending the classification will place the Department in a position to conform to the civil service regulations, the position at present being an absolute necessity, the work of the Department requiring such service.

No additional increase in the appropriation for either corporate stock, Budget or revenue bonds will be necessary as the payment of the salary of this position will be arranged for by transfer within the Budget appropriations and there will be a saving of $1,800 in corporate stock.

It is the intention to transfer the Secretary to the Commissioner who receives at present $4,000 per annum, to the position of Secretary to the Department at the same salary he is now receiving and abolish the grade of Secretary to the Commissioner at $4,000.

This new position has already been provided for in the classification by the Civil Service Commission.

List of Secretarial Positions in the Various City Departments.

Docks and Ferries—		
Secretary of Department	$4,000 00	
Assistant Secretary	3,600 00	
Secretary to Commissioner	3,000 00	
		$10,600 00
Department of Water Supply, Gas and Electricity—		
Secretary to Commissioner	$5,000 00	
Secretary of Department	3,000 00	
Secretary to Deputy Commissioner	3,000 00	
		11,000 00
Tenement House Department—		
Secretary of Department	$2,000 00	
Secretary to Commissioner	2,500 00	
Secretary to First Deputy Commissioner	1,500 00	
		6,000 00
Municipal Civil Service Commission—		
Secretary of Department	$5,000 00	
Assistant Secretary	4,000 00	
		9,000 00
Board of Water Supply—		
Secretary	$5,000 00	
Assistant Secretary	3,000 00	
Assistant Secretary	2,500 00	
		10,500 00
Police Department—		
Secretary to Commissioner	$3,500 00	
Executive Secretary	2,100 00	
Three Secretarys to Deputy Commissioners	6,300 00	
Secretary to Borough Inspector	1,500 00	
		13,400 00
Fire Department—		
Secretary of Department	$4,800 00	
Assistant Secretary	3,500 00	
Secretary to Commissioner	3,000 00	
		11,300 00
Board of Health—		
Secretary of Department	$5,000 00	
Secretary to President	3,000 00	
		8,000 00
Department of Correction—		
Secretary	$3,000 00	
Private Secretary	2,500 00	
Secretary to Board of Parole	3,000 00	
		8,500 00
Department of Public Charities—		
Secretary	$3,500 00	
Private Secretary	2,250 00	
Confidential Inspector	3,000 00	
Secretary to Two Deputy Commissioners	2,100 00	
		10,850 00

No. 267—(G. O. No. 67).

The Committee on Salaries and Offices, to which was referred on January 30, 1912 (Minutes, page 354) the annexed resolution in favor of establishing position of Horseshoer in Department of Parks, Manhattan and Richmond, at $4.50 per diem, respectfully

REPORTS:

That, Commissioner Stover appeared before the Committee and stated that this was to change the titles of two employees, now doing this work, from Blacksmith to the more appropriate name of Horseshoer, at the same rate. The Committee recommends that the accompanying resolution be adopted.

Whereas, The Board of Estimate and Apportionment adopted the following resolution at a stated meeting held January 25, 1912:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Parks, Boroughs of Manhattan and Richmond, of the grade of position, in addition to those heretofore established, as follows:

Title.		Rate per Diem.	Number of Incumbents.
Horseshoer		$4 50	2

Resolved, That the Board of Aldermen hereby approves of and concurs in the above resolution and fixes the salary of said position as set forth therein.

PERCY L. DAVIS, JAS. R. WESTON, JAS. F. MARTYN, HUGH J. CUMMUSKEY, MICHAEL CARBERRY, ROBERT H. BOSSE, NILES R. BECKER, JACOB WEIL, EDWARD EICHHORN; Committee on Salaries and Offices.

No. 268—(G. O. No. 68).

The Committee on Salaries and Offices, to which was referred on January 30, 1912 (Minutes, page 354) the annexed resolution in favor of establishing grade of Inspector of Plastering, at $1,200 per annum, in office of Borough President, Brooklyn, respectfully

REPORTS:

That, Mr. Powers, Secretary to Commissioner Pounds, appeared before the Committee and stated that these positions were created in compliance with provisions of a law passed in 1911, plastering heretofore not having been inspected. The Committee recommends that the accompanying resolution be adopted.

Whereas, The Board of Estimate and Apportionment adopted the following resolution at a stated meeting held January 25, 1912:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the office of the President of the Borough of Brooklyn, of the position, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Inspector of Plastering	$1,200 00	2

Resolved, That the Board of Aldermen hereby approves of and concurs in the above resolution and fixes the salary of said position as set forth therein.

PERCY L. DAVIS, JAS. R. WESTON, JAS. F. MARTYN, HUGH J. CUMMUSKEY, MICHAEL CARBERRY, ROBERT H. BOSSE, NILES R. BECKER, JACOB WEIL, EDWARD EICHHORN; Committee on Salaries and Offices.

No. 297—(G. O. No. 69).

The Committee on Salaries and Offices, to which was referred on January 30, 1912 (Minutes, page 384) the annexed resolution in favor of appointing James E. Connaughton a City Surveyor, respectfully

REPORTS:

That this applicant having filed the customary references as to character and ability, the Committee recommends that the said resolution be adopted.

Resolved, That James E. Connaughton, of Little Neck, in the Borough of Queens, be and he is hereby appointed a City Surveyor.

PERCY L. DAVIS, JAS. R. WESTON, JAS. F. MARTYN, HUGH J. CUMMUSKEY, MICHAEL CARBERRY, ROBERT H. BOSSE, NILES R. BECKER, JACOB WEIL, EDWARD EICHHORN; Committee on Salaries and Offices.

Which were severally laid over under the rule.

SPECIAL ORDERS.

No. 9—Int. No. 126.

The Committee on Finance, to which was referred on January 16, 1912 (Minutes, page 101), a request from the Borough President of Brooklyn for $2,400 special revenue bonds for salaries of two Inspectors of Plastering, respectfully

REPORTS:

That Secretary Powers appeared before the Committee and explained that these positions were mandatory, under the provisions of section 156 of the Laws of 1911, but application was inadvertently omitted from the departmental estimate for these positions. The Committee believes that this money should be provided, but as it cannot be made available before March 1, has reduced same by two months' allowance, and, therefore, recommends that the accompanying resolution be adopted.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of two thousand ($2,000) dollars, the proceeds whereof to be used by the President of the Borough of Brooklyn for the purpose of paying salaries of two Inspectors of Plastering during 1912, at the rate of $1,200 each per annum.

HENRY H. CURRAN, BRYANT WILLARD, ROBERT F. DOWNING, JOHN DIEMER, JOHN S. GAYNOR, C. AUGUSTUS POST, FRANCIS P. KENNEY, HENRY F. GRIMM, THOS. J. MULLIGAN, JAMES HAMILTON, FRANK L. DOWLING, Committee on Finance.

Which, on motion of Alderman Curran, was laid over for one week.

No. 11—Int. No. 34.

The Committee on Finance, to which was referred on January 9, 1912 (Minutes, page 20), a request from the President, Borough of Queens, for $2,750 Special Revenue Bonds to pay the salary of a Secretary to the President at $3,000 per annum during 1912, respectfully

REPORTS:

That, it is assured by Mr. Murphy, Chief Clerk to the Borough President, that the services of such an employee are greatly needed in this rapidly growing Borough, and that there is a grade of Secretary established in this office. As money under Special Revenue Bonds could not, in the regular order of business, be made available until March 1, the Committee has reduced the amount asked for, and recommends that the accompanying resolution be adopted.

Resolved, That in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue Special Revenue Bonds to the amount of two thousand five hundred dollars ($2,500), the proceeds whereof to be used by the President of the Borough of Queens, for the purpose of paying the salary of a Secretary from March 1, 1912, at the rate of $3,000 per annum.

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY, Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Cunningham, Curran, Davis, Delaney, Devine, Diemer, Dixson, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Fink, Gelbke, Gilmore, Grimm, Hagenmiller, Hamilton, Hannon, Herbst, Kenneally, Kenney, Lieberman, Loos, McCann, McCourt, McGarry, Marks, Martyn, Meagher, Molen, Moore, Morrison, Muhlbauer, Mulligan, Nicoll, Nugent, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Smith, Walsh, Weil, Wendel, Weston, White, Willard, Wilmot; President Cromwell, by L. L. Tribus, Commissioner of Public Works; President Connolly, President Steers, President McAneny, by E. V. Frothingham, Commissioner of Public Works; and the Vice-Chairman—67.

No. 12—Int. No. 124.

The Committee on Finance, to which was referred on January 16, 1912 (Minutes, page 100), a request from the Commissioner of Street Cleaning for $50,000 Special Revenue Bonds to replenish budget appropriation for hired horses and vehicles, respectfully

REPORTS:

That, Commissioner Edwards appeared before the Committee and submitted the attached statement of actual expenditures for this purpose up to and including January 24. The budget allowance was $30,000 for the three Boroughs, and this has been already exceeded by about $9,000, due, the Commissioner stated, to two reasons: First, the inexperienced employees who have taken the places of the force which severed its connection with the department by the recent strike; second, the weather handicap which has materially lowered the number of loads hauled by the department. The Committee believes that funds must be supplied for this purpose, but feels that $35,000 should carry the department over this emergency, and, therefore, recommends that the accompanying resolution be adopted.

Resolved, That in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue Special Revenue Bonds to the amount of Thirty-five Thousand Dollars ($35,000) the proceeds whereof to be used by the Commissioner of Street Cleaning for the purpose of meeting deficit in the budgetary account entitled, "Administration, Vehicular Transportation, Horses and Vehicles with Driver," as follows:

Manhattan	$17,500 00
Brooklyn	10,500 00
The Bronx	7,000 00
	$35,000 00

Amounts of payrolls for hired trucks on ash removal, up to and including January 24, 1912:

Manhattan.		Brooklyn.		The Bronx.	
January 10....	$7,096 75	January 10....	$754 60	January 10....	$4,411 04
January 17....	10,698 00	January 24....	2,237 90	January 17....	4,443 24
January 24....	6,809 50			January 24....	3,148 37
	$24,604 25		$2,992 50		$12,002 65

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY, Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Curran, Davis, Delaney, Dixson, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Gaynor, Gelbke, Gilmore, Grimm, Hagenmiller, Hamilton, Hannon, Kenneally, Kenney, Lieberman, Loos, McCann, McCourt, McGarry, McGrath, Marks, Martyn, Molen, Moore, Morrison, Muhlbauer, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Smith, Walsh, Weil, Wendel, Weston, Willard, Wilmot; President Cromwell, by L. L. Tribus, Commissioner of Public Works; President Connolly, President Steers, President McAneny, by E. V. Frothingham, Commissioner of Public Works; and the Vice-Chairman—62.

No. 13—Int. No. 178.

The Committee on Finance, to which was referred on January 23, 1912 (Minutes, page 147), a request from the Department of Education for $13,000 special revenue bonds for compensation of Janitors, 1911, respectfully,

REPORTS:

That Commissioner Meyer appeared before the Committee and stated that this addition to the amount of $66,000 appropriated in 1911 for the same purpose should have been included at the time of the prior application, but that in figuring ahead at that time the Auditor could not anticipate the many changes in janitorial assignments, which made additional funds necessary. The Commissioner filed the Auditor's statement, hereto attached, reducing the amount to $11,230.

The Committee recommends that the accompanying resolution be adopted:

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of eleven thousand two hundred and thirty dollars ($11,230), the proceeds whereof to be used by the Department of Education for the purpose of meeting deficiency in the appropriation for compensation of Janitors for the year 1911.

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY, Committee on Finance.

January 29, 1912.

Hon. FRANK W. MEYER, Chairman, Committee on Care of Buildings:

Dear Sir—Referring to the application of this Department for an additional issue of $13,000 special revenue bonds to make good a deficit in Janitors' salaries for the year 1911, I beg to advise you that the shortage arises by reason of the fact that it cost about $5,000 in addition to the amount estimated for janitorial services in evening high, elementary and trade schools, for vacation schools, vacation playgrounds, evening recreation centres, evening roof playgrounds, playgrounds for mothers and babies, baths, etc. The balance of the deficit, $8,000, is made up of amounts added to Janitors' payrolls by reason of the opening of new buildings, new additions to old buildings, the installation of items of machinery, etc.

As you know, Janitors' salaries are governed and controlled by a stated allowance for extra activities, such as evening and vacation schools, etc., and by reason of certain fixed rates per thousand feet of floor and paved surface cleaned, as well as by fixed rates for boilers, furnaces, engines, dynamos and other items of machinery.

It is impossible to maintain the special activities referred to, such as evening schools, vacation schools, etc., without paying for the extra janitorial services required; neither is it possible to open a new school building or an addition to an old building, without employing and paying a Janitor; so also the increased work placed upon Janitors by reason of the installation of new items of machinery must be paid for.

The principal item contained in the $8,000 referred to above consists of the proposed enlargement of compensation of the Janitor of the Erasmus Hall High School. I believe you are familiar with this case and it has been the subject of an extensive report by Charles G. Armstrong & Son, engineers, to Hon. John Purroy Mitchel, President of the Board of Aldermen.

The amount recommended by the Board of Education, $16,250, was reduced in resolutions of the Board of Estimate and Apportionment and the Board of Aldermen to $14,480, and the total request for revenue bonds of $13,000 may be reduced to $11,230.

There is no item in the list composing the deficit which does not arise on account of additional work thrown upon the Janitors, and, indeed, in some cases it is an entirely new building which has to be cared for. Yours truly,

Auditor of the Board of Education.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Curran, Davis, Delaney, Diemer, Dixson, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Gaynor, Gelbke, Gilmore, Grimm, Hagenmiller, Hamilton, Hannon, Kenneally, Kenney, Lieberman, Loos, McCann, McCourt, McGarry, McGrath, Marks, Martyn, Molen, Moore, Morrison, Muhlbauer, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Smith, Walsh, Weil, Wendel, Weston, Willard, Wilmot; President Cromwell, by L. L. Tribus, Commissioner of Public Works; President Connolly, President Steers, President McAneny, by E. V. Frothingham, Commissioner of Public Works; and the Vice-Chairman—62.

No. 14—Int. No. 31.

The Committee on Public Letting, to which was referred on January 9, 1912 (Minutes, page 17), a request from the Trustees of Normal College for authority to purchase books, scientific apparatus and general supplies, during 1912, to an amount not exceeding $15,000, without public letting, respectfully

REPORTS:

That this permission is an annual one, it being understood that, so far as possible, all supplies, books, etc., purchased under this authorization are taken from the list framed by the Board of Education after competitive bidding, so that the expense of separate advertising is saved to the City.

The Committee recommends that the accompanying resolution be adopted.

Resolved, That, in pursuance of the provisions of section 419 of the Greater New York Charter, the Board of Trustees of the Normal College of The City of New York be and they are hereby authorized and empowered to procure, without public letting, such books, chemical, physical and scientific apparatus and material, and such other supplies as may be purchased from the advertised list of the Board of Education, for the purposes of the Normal College, the High School and the Model School, or Training Department, during the year 1912, at an expense not to exceed fifteen thousand dollars ($15,000).

JOHN DIEMER, PERCY L. DAVIS, NILES R. BECKER, JOHN F. WALSH, JACOB J. VELTEN, JESSE D. MOORE, FRED. H. WILMOT, J. W. HAGENMILLER, W. AUGUSTUS SHIPLEY, Committee on Public Letting.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Cunningham, Curran, Davis, Delaney, Devine, Diemer, Dixson, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Gaynor, Gelbke, Grimm, Hagenmiller, Hamilton, Hannon, Herbst, Lieberman, Loos, McCann, McCourt, McGarry, McGrath, Marks, Martyn, Meagher, Molen, Morrison, Muhlbauer, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Smith, Walsh, Wendel, Weston, White, Willard, Wilmot and the Vice-Chairman—58.

No. 15—Int. No. 39.

The Committee on Public Letting, to which was referred on January 9, 1912 (Minutes, page 23), the annexed resolution in favor of authorizing the Commissioner of Water Supply, Gas and Electricity to expend $30,000, without public letting, for work and material required in connection with the repair of engines, pumps and boilers, respectfully

REPORTS:

That, having examined the subject, it believes the proposed permission to be necessary, so that repairs may be made at once and by the nearest competent smithy. Deputy Commissioner Bennett stated that competitive bidding would take up from 125 to 150 days' time, and would make no material reduction in price. There are about half a dozen pumps in use, including the Snow, Blake, Worthington and Davis & Farnum, and some parts of these are patented and must be replaced by the makers. The Committee recommends that the said resolution be adopted.

Resolved, That the Commissioner of Water Supply, Gas and Electricity is hereby authorized to expend, on open market orders for work and material required in connection with the repair of engines, pumps, boilers or other appurtenances connected with the water supply system, an amount not to exceed thirty thousand dollars ($30,000), this expenditure to be apportioned as follows:

Manhattan and The Bronx	$10,000 00
Brooklyn	15,000 00
Queens	2,000 00
Richmond	3,000 00

JOHN DIEMER, P. L. DAVIS, NILES R. BECKER, JOHN F. WALSH, W. AUGUSTUS SHIPLEY, JACOB J. VELTEN, JESSE D. MOORE, FRED. H. WILMOT, J. W. HAGENMILLER, Committee on Public Letting.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Cunningham, Curran, Davis, Delaney, Devine, Diemer, Dixson, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Gaynor, Gelbke, Grimm, Hagenmiller, Hamilton, Hannon, Herbst, Lieberman, Loos, McCann, McCourt, McGarry, McGrath, Marks, Martyn, Meagher, Molen, Morrison, Muhlbauer, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Smith, Walsh, Wendel, Weston, White, Willard, Wilmot and the Vice-Chairman—58.

No. 16—Int. No. 119.

The Committee on Public Letting, to which was referred on January 16, 1912 (Minutes, page 96), a request from the Commissioner of Water Supply, Gas and Electricity for authority to contract with Columbia University for testing electric meters during 1912, at a cost of $1,500, without public letting, respectfully

REPORTS:

That Deputy Commissioner Bennett and Engineer Lacombe appeared before the Committee and stated that this contract was an annual one, was extremely reasonable in cost, and was highly acceptable to all whose complaints had been referred to this laboratory, as well as to the Department. That advertising in this case would prove of no possible benefit.

The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Commissioner of Water Supply, Gas and Electricity be and he is hereby authorized and empowered to enter into contract with Columbia University for testing electric meters, at an expenditure of fifteen hundred dollars ($1,500), without advertising for competitive bids or proposals, in accordance with the provisions of section 419 of the Greater New York Charter.

JOHN DIEMER, PERCY L. DAVIS, NILES R. BECKER, W. AUG. SHIPLEY, JOHN F. WALSH, JACOB J. VELTEN, JESSE D. MOORE, F. H. WILMOT, J. W. HAGENMILLER, Committee on Public Letting.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Cunningham, Curran, Davis, Delaney, Devine, Diemer, Dixson, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Gaynor, Gelbke,

Grimm, Hagenmiller, Hamilton, Hannon, Herbst, Lieberman, Loos, McCann, McCourt, McGarry, McGrath, Marks, Martyn, Meagher, Molen, Morrison, Muhlbauer, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Smith, Walsh, Wendel, Weston, White, Willard, Wilmot and the Vice-Chairman—58.

At this point, on motion of Alderman Curran, the courtesies of the floor were extended to Mr. Charles C. Moore, President, and Mr. Theodore Hardee, Secretary to the President, of the Panama Pacific International Exposition, San Francisco, 1915.

No. 17—Int. No. 143.

The Committee on Public Letting, to which was referred on January 16, 1912 (Minutes, page 116), the annexed resolution in favor of authorizing the President, Borough of Manhattan, to remove, relocate and alter subway entrances and exits at Lafayette st., south of Astor place station, at a cost not to exceed $17,000, and at northwest corner of 23d st. and 4th ave., at a cost not to exceed $10,000, respectfully

REPORTS:

That Consulting Engineer Goodrich appeared before the Committee and stated that the work was going to be done by the Interborough Railway Company under the terms and conditions given out in the letter of request. That owing to the fact that this work was so intimately connected with the work of said Company, that there was no possibility of legitimate competition.

The Committee recommends that the said resolution be adopted.

Resolved, That, pursuant to the provisions of section 419 of the Greater New York Charter, the President of the Borough of Manhattan be and he hereby is authorized and empowered to enter into a contract, without public letting, for the removal, relocation and necessary alterations and reconstruction of all subway entrances and exits at the intersection of Lafayette st., south of Astor place station, at a cost not to exceed $17,000; and at the northwest corner of 23d st. and 4th ave., at a cost not to exceed $10,000; the work to be done by the Rapid Transit Subway Construction Company, in accordance with plans approved by the Consulting Engineer of the Borough of Manhattan and the Chief Engineer of the Public Service Commission, the said construction company to be paid for the actual cost of the labor and materials used in the work, plus ten (10) per centum.

JOHN DIEMER, PERCY L. DAVIS, NILES R. BECKER, W. AUG. SHIPLEY, JOHN F. WALSH, JACOB J. VELTEN, JESSE D. MOORE, F. H. WILMOT, J. W. HAGENMILLER, Committee on Public Letting.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Cunningham, Curran, Davis, Delaney, Devine, Diemer, Dixson, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Gaynor, Gelbke, Gilmore, Grimm, Hagenmiller, Hamilton, Hannon, Herbst, Kenney, Lieberman, McCann, McCourt, McGarry, Marks, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Smith, Stapleton, Walsh, Weil, Wendel, Weston, Willard, Wilmot and the Vice-Chairman—55.

GENERAL ORDERS.

No. 30—Int. No. 128.

The Committee on Finance, to which was referred on January 16, 1912 (Minutes, page 103), a resolution in favor of amending issue of $450,000 corporate stock for construction of high school building, Borough of Brooklyn, respectfully

REPORTS:

That this reduction, amounting to $30,000, is to be applied to equipment of new schools, a saving having been effected in the construction account.

It, therefore, recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a meeting held January 11, 1912:

Resolved, That the following resolution adopted by the Board of Estimate and Apportionment December 9, 1910:

"Resolved, That the following resolution, adopted by the Board of Estimate and Apportionment February 18, 1910:

"'Resolved, That, pursuant to the provisions of section 169 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the issue of Corporate Stock of The City of New York to an amount not exceeding four hundred and fifty thousand dollars ($450,000), for the construction of a high school building at Irving and Putnam avenues and Madison street, Borough of Brooklyn, and the Comptroller is authorized to issue Corporate Stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding four hundred and fifty thousand dollars ($450,000), the proceeds whereof to be applied to the purposes aforesaid.'"

—be and hereby is amended to read as follows:

"Resolved, That, pursuant to the provisions of section 169 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the issue of Corporate Stock of the City of New York to an amount not exceeding four hundred and fifty thousand dollars ($450,000), for the construction of a high school building at Irving avenue, between Madison and Woodbine streets, Borough of Brooklyn, and the Comptroller is authorized to issue Corporate Stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding four hundred and fifty thousand dollars ($450,000), the proceeds whereof to be applied to the purpose aforesaid."

—be amended to make the amount read *four hundred and twenty thousand dollars* ($420,000).

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY; Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard, President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 31—Int. No. 129.

The Committee on Finance, to which was referred on January 16, 1912 (Minutes, page 103), a resolution in favor of amending an issue of $1,439,000 corporate stock for construction of schools, respectfully

REPORTS:

That the amount saved in construction is to be applied to equipment.

The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a meeting held January 11, 1912:

Resolved, That, subject to concurrence herewith by the Board of Aldermen, the following resolution, adopted by the Board of Estimate and Apportionment on January 26, 1911, and approved by the Board of Aldermen on February 7, 1911:

"Resolved, That, subject to concurrence herewith by the Board of Aldermen, the following resolution, adopted by the Board of Estimate and Apportionment on May 6, 1910, and approved by the Board of Aldermen on May 10, 1910:

"'Resolved, That the resolution adopted by the Board of Estimate and Apportionment at a meeting held April 8, 1910, which reads as follows:

"'Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding one million four hundred and eighty-four thousand dollars ($1,484,000), for the construction of public school buildings and additions thereto, in the manner and amounts described hereunder:

New Buildings and Additions.

District.	School.	Location.	Amount.
		Borough of Manhattan.	
7	61	E. 12th st., between Avenues B and C.....	$316,000 00
		Borough of The Bronx.	
26	46	Bainbridge and Briggs aves. and 196th st....	312,000 00
25	44	Prospect ave. and 176th st.....	240,000 00
		Borough of Brooklyn.	
32	168	Throop ave., Bartlett and Whipple sts.....	300,000 00
40	171	Ridgewood, Lincoln and Nichols aves.....	316,000 00
			$1,484,000 00

"'—and when authority shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding one million four hundred and eighty-four thousand dollars ($1,484,000), the proceeds whereof to be applied to the purposes aforesaid.

"'—be and the same is hereby amended to read as follows:

"'Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York, to an amount not exceeding one million four hundred and fifty-six thousand dollars ($1,456,000), for the construction of public school buildings, in the manner and amounts described hereunder:

New Buildings and Additions.

District.	School.	Location.	Amount.
		Borough of Manhattan.	
7	61	E. 12th st., between Avenues B and C.....	$316,000 00
		Borough of The Bronx.	
26	46	Bainbridge and Briggs aves. and 196th st....	300,000 00
25	44	Prospect ave. and 176th st.....	240,000 00
		Borough of Brooklyn.	
32	168	Throop ave., Bartlett and Whipple sts.....	300,000 00
40	171	Ridgewood, Lincoln and Nichols aves.....	300,000 00
			$1,456,000 00

"'—and when authority shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding one million four hundred and fifty-six thousand dollars ($1,456,000), the proceeds whereof to be applied to the purposes aforesaid.'

"—be amended to make the amounts authorized as follows:

New Buildings and Additions.

District.	School.	Location.	Amount.
		Borough of Manhattan.	
7	61	E. 12th st., between Avenues B and C.....	$316,000 00
		Borough of The Bronx.	
26	46	Bainbridge and Briggs aves. and 196th st....	283,000 00
25	44	Prospect ave. and 176th st.....	240,000 00
		Borough of Brooklyn.	
32	168	Throop ave., Bartlett and Whipple sts.....	300,000 00
40	171	Ridgewood, Lincoln and Nichols aves.....	300,000 00
			$1,439,000 00

—be amended to make the amounts read as follows:

New Buildings and Additions.

District.	School.	Location.	Amount.
		Borough of Manhattan.	
7	61	E. 12th st., between Avenues B and C.....	$291,000 00
		Borough of The Bronx.	
26	46	Bainbridge and Briggs aves. and 196th st....	283,000 00
25	44	Prospect ave. and 176th st.....	240,000 00
		Borough of Brooklyn.	
32	168	Throop ave., Bartlett and Whipple sts.....	255,000 00
40	171	Ridgewood, Lincoln and Nichols aves.....	265,000 00
			$1,334,000 00

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY; Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 32—Int. No. 130.

The Committee on Finance, to which was referred on January 16, 1912 (Minutes, page 104), a resolution in favor of amending an issue of $226,800 corporate stock for construction of school building, Jamaica, respectfully

REPORTS:

That the amount saved on this construction is to be applied to equipment. It therefore recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a meeting held January 11, 1912:

Resolved, That, subject to concurrence herewith by the Board of Aldermen, the following resolution adopted by the Board of Estimate and Apportionment June 3, 1910, and approved by the Board of Aldermen June 28, 1910:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding two hundred and twenty-six thousand eight hundred dollars ($226,800), to provide means for the construction of new Public School 40, Pacific and Union Hall sts., Jamaica, Borough of Queens, and when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *two hundred and twenty-six thousand eight hundred dollars* ($226,800), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *two hundred and thirteen thousand five hundred and twenty-five dollars* ($213,525).

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY; Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 33—Int. No. 131.

The Committee on Finance, to which was referred on January 16, 1912 (Minutes, page 105), a resolution in favor of amending issue of $300,000 corporate stock for construction of public school building, respectfully

REPORTS:

That the amount saved by this resolution is to be applied to equipment of new schools. It therefore recommends that the accompany resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a meeting held January 11, 1912:

Resolved, That, subject to concurrence herewith by the Board of Aldermen, the following resolution adopted by the Board of Estimate and Apportionment July 29, 1910, and approved by the Board of Aldermen October 4, 1910:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding three hundred thousand dollars ($300,000), to provide means for the construction of new Public School 47, Randolph, St. Lawrence and Hammond aves., Borough of The Bronx, and when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding *three hundred thousand dollars* ($300,000), the proceeds whereof to be applied to the purposes aforesaid."

—be amended to make the amount read *two hundred and sixty-three thousand dollars* ($263,000).

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY, Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 34—Int. No. 132.

The Committee on Finance, to which was referred on January 16, 1912 (Minutes, page 105), a resolution in favor of an issue of $185,275 corporate stock for equipment of school buildings, respectfully

REPORTS:

That Commissioner Wilsey appeared before the Committee and explained that this amount for equipment has been saved in certain construction accounts, and is necessary to prepare these buildings for occupation. The Committee recommends that the accompanying ordinance be adopted.

AN ORDINANCE, providing for an issue of corporate stock of The City of New York in the sum of one hundred and eighty-five thousand two hundred and seventy-five dollars ($185,275), to provide means for the equipment of sundry public school buildings now under construction.

Be It Ordained, by the Board of Aldermen of The City of New York, as follows:

Section 1—The Board of Aldermen hereby approves of and concurs in the following resolution, adopted by the Board of Estimate and Apportionment January 11, 1912, and authorizes the Comptroller to issue corporate stock of The City of New York to the amount and for the purposes therein specified:

Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding one hundred and eighty-five thousand two hundred and seventy-five dollars ($185,275), to provide means for the equipment of sundry public school buildings now under construction, in the manner and amounts described hereunder:

Equipment of New Buildings and Additions.

School.	Location.	Amount.
	Borough of Manhattan.	
61.	12th st., between Avenues B and C	$22,050 00
	Borough of The Bronx.	
20 (Addition).	Fox, Simpson and 167th sts	6,375 00
39 (Addition).	Longwood ave., Kelly and Beck sts	9,350 00
43 (Addition).	Brown place, 135th and 136th sts	6,800 00
47.	Randolph, St. Lawrence and Hammond aves	82,000 00
	Borough of Brooklyn.	
168.	Throop ave., Bartlett and Whipple sts	20,700 00
171.	Ridgewood, Lincoln and Nichols aves	22,000 00
	Borough of Queens.	
40.	Pacific and Union Hall sts., Jamaica	16,000 00
		$185,275 00

—and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid.

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY; Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said ordinance.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 35—Int. No. 136.

The Committee on Finance, to which was referred on January 16, 1912 (Minutes, page 109), a resolution in favor of amending an issue of $150,000 corporate stock for well stations at Mapleton and Flatlands, respectfully

REPORTS:

That Deputy Commissioner Bennett appeared before the Committee and explained that the Department had now made such arrangements as to obviate the necessity for these well stations, consequently the amount may be reduced to the actual cost of the preliminary work. The Committee recommends that the accompanying resolution be adopted.

Resolved, That the Board of Aldermen hereby approves of and concurs in the following amended resolution adopted by the Board of Estimate and Apportionment at a meeting held January 11, 1912:

Resolved, That, subject to concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on April 13, 1911, and concurred in by the Board of Aldermen on April 25, 1911, as follows:

"Resolved, That the resolution adopted by the Board of Estimate and Apportionment on July 2, 1909, approved of and concurred in by the Board of Aldermen July 13, 1909, which reads as follows:

"'Resolved, That, pursuant to the provisions of section 178 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to the amount of six hundred and twenty-three thousand three hundred and fifty-six dollars and seventy cents ($623,356.70), for the purpose of providing means for an additional supply of water for the Borough of Brooklyn, as set forth in said section 178 of the Charter, apportioned as follows:

"'Replacing with new and adequate mains the old ones of small section in Evergreen, Lee, Marcy, Sumner, Bedford and Throop avenues, and in Forest and Roebling streets	$108,498 60
"'Replacing mains in Bushwick, Hopkinson, Howard, Reid, Lewis, Lexington, Reid, Stuyvesant, 6th, and Cropsey avenues, Beaver, Macon and Union streets and in the Park plaza and Eastern parkway	155,000 00
"'Hauling and setting fire hydrants	44,858 10
"'Fencing, monumenting and improving City's lands occupied by reservoirs, conduits, pumping stations	40,000 00
"'Two driven well stations, Parkville and Flatlands, in the Borough of Brooklyn, together with their equipment	275,000 00
	$623,356 70

"'—and when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Charter, to an amount not exceeding six hundred and twenty-three thousand three hundred and fifty-six dollars and seventy cents ($623,356.70), the proceeds whereof to be applied to the purposes aforesaid.

—which was amended by a resolution of the Board of Estimate and Apportionment, adopted July 1, 1910, and concurred in by the Board of Aldermen July 19, 1910, to read as follows:

"'Resolved, That, pursuant to the provisions of section 178 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to the amount of four hundred and ninety-eight thousand three hundred and fifty-six dollars and seventy cents ($498,356.70), for the purpose of providing means for an additional supply of water for the Borough of Brooklyn, as set forth in said section 178 of the Charter, apportioned as follows:

"'Replacing with new and adequate mains the old ones of small section in Evergreen, Lee, Marcy, Sumner, Bedford and Throop avenues, and in Forest and Roebling streets	$108,498 60
"'Replacing mains in Bushwick, Hopkinson, Howard, Reid, Lewis, Lexington, Reid, Stuyvesant, 6th and Cropsey aves., Beaver, Macon and Union sts., and in the Park plaza and Eastern parkway	155,000 00
"'Hauling and setting fire hydrants	44,858 10
"'Fencing, monumenting and improving City's land occupied by reservoirs, conduits, pumping stations	40,000 00
"'Two driven well stations, Parkville and Flatlands, in the Borough of Brooklyn, together with their equipment	150,000 00
	$498,356 70

"'—and, when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Charter, to an amount not exceeding four hundred and ninety-eight thousand three hundred and fifty-six dollars and seventy cents ($498,356.70), the proceeds whereof to be applied to the purposes aforesaid.'"

"—be and the same is further amended so as to make the fifth of the items appropriating funds to read as follows:

"Two driven well stations, Mapleton and Flatlands, in the Borough of Brooklyn, together with their equipment $150,000 00"

—be further amended to make the total amount authorized three hundred and fifty-one thousand eight hundred and fifty-six dollars and seventy cents ($351,856.70), and the amount appropriated for "two driven well stations, Mapleton and Flatlands, in the Borough of Brooklyn, together with their equipment," three thousand five hundred dollars ($3,500).

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY, Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 36—Int. No. 209.

The Committee on Finance, to which was referred on January 23, 1912 (Minutes, page 227), the annexed resolution in favor of authorizing the City Clerk to procure copy of the "Daily Legislative Summary," respectfully

REPORTS:

That, having examined the subject, it believes the proposed information to be necessary.

It, therefore, recommends that the said resolution be adopted.

Resolved, That the City Clerk be and he is hereby authorized to procure from the Legislative Index Publishing Company, in addition to the "New York Legislative Index" for the year 1912, already subscribed for, one copy of the supplementary "Daily Legislative Summary," to be delivered weekly during the legislative session of 1912, at an expense not to exceed twenty-five dollars ($25).

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P KENNEY, Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 37—Int. No. 210.

The Committee on Finance, to which was referred on January 23, 1912 (Minutes, page 227), the annexed resolution in favor of paying certain telephone bills, respectfully

REPORTS:

That these bills are for telephone service furnished the Board of Aldermen and Clerk in the Borough of Brooklyn under the regular contract.

It, therefore, recommends that the said resolution be adopted.

Resolved, That the Comptroller be and he is hereby authorized and requested to draw warrants as follows:

One in favor of the New York Telephone Company for the sum of two hundred and twenty-five dollars and eighty-seven cents ($225.87), being for telephone service furnished to the rooms of the Board of Aldermen in the Borough of Brooklyn, for the four months ended December 31, 1911.

One in favor of the New York Telephone Company for the sum of forty-two dollars and sixty-eight cents ($42.68), being for telephone service furnished to the

office of the City Clerk in the Borough of Brooklyn for the four months ended December 31, 1911.

The said several sums to be payment in full for all services rendered during the periods stated and to be charged to and paid out of the appropriation, entitled City Contingencies, 1911.

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY, Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 38—Int. No. 211.

The Committee on Finance, to which was referred on January 23, 1912 (Minutes, page 228), the annexed resolution in favor of paying certain telephone bills respectfully

REPORTS:

That these bills are for telephone service furnished the Board of Aldermen and Clerk in Manhattan, under the regular contract.

It, therefore, recommends that the said resolution be adopted.

Resolved, That the Comptroller be and he is hereby authorized and requested to draw a warrant in favor of the New York Telephone Company for the sum of one hundred and forty-one dollars and three cents ($141.03), the said sum to be payment in full for telephone service furnished to the office of the City Clerk for the two months ended December 31, 1911; said sum to be charged to and paid out of the appropriation entitled City Contingencies, 1911.

HENRY H. CURRAN, C. AUGUSTUS POST, ROBERT F. DOWNING, JOHN S. GAYNOR, JOHN DIEMER, HENRY F. GRIMM, JAMES HAMILTON, FRANK L. DOWLING, FRANCIS P. KENNEY, Committee on Finance.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

No. 39—Int. No. 84.

The Committee on Laws and Legislation, to which was referred on January 9, 1912 (Minutes, page 82), the annexed ordinance relative to emblems of identification for City-owned automobiles respectfully

REPORTS:

That it held a public hearing on this proposed ordinance, at which no one appeared in opposition thereto. It believes this method of identification to be an excellent means of halting unauthorized use of City machines, and, therefore, recommends that the said ordinance be adopted.

AN ORDINANCE, Relative to emblems of identification for City-owned automobiles.

Be it Ordained, By the Board of Aldermen of The City of New York, as follows:

Section 1. The words "City of New York" shall be painted plainly visible on the outside of the back of the body of each automobile owned by The City of New York. The letters of said words shall be at least five inches in the least dimension, and the color shall contrast with the color of the body of the car.

Section 2. Any person or officer using an automobile owned by The City of New York not lettered as prescribed in this ordinance shall be subject to a penalty of ten dollars ($10) for each and every offense, provided, however, that automobiles used by the Department of Police in the detection and the suppression of crime shall be exempt from the provisions of this ordinance.

Section 3. This ordinance shall take effect March 1, 1912.

COURTLANDT NICOLL, W. H. PENDRY, WM. D. BRUSH, BRYANT WILLARD, O. GRANT ESTERBROOK, DANIEL R. COLEMAN, JOHN J. MEAGHER, Committee on Laws and Legislation.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said ordinance.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Cunningham, Curran, Davis, Devine, Diemer, Dixson, Dotzler, Downing, Eichhorn, Esterbrook, Gelbke, Hagenmiller, Hannon, Herbst, Lieberman, Marks, Meagher, Moore, Morrison, Muhlbauer, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Weil, Weston, Willard, Wilmot, and the Vice-Chairman—41.

No. 40—Int. No. 104.

The Committee on Laws and Legislation, to which was referred on January 9, 1912 (Minutes, page 90), the annexed ordinance to amend section 430 of the Code, relating to the discharge of firearms, in favor of the Queens Club, respectfully

REPORTS:

That, having examined the subject, it believes the privilege sought should be granted, and therefore recommends that the said ordinance be adopted.

AN ORDINANCE to amend section 430 of Part 1 of the Code of Ordinances, relating to the discharge of firearms.

Be It Ordained by the Board of Aldermen of The City of New York as follows:

Section 1. Section 430 of Part 1 of the Code of Ordinances, relating to the discharge of firearms, is hereby further amended by adding at the end thereof the words *the grounds of the Queens Club (Incorporated), in Queens, in the Borough of Queens.*

Section 2. This ordinance shall take effect immediately.

Note—New matter in *italics.*

COURTLANDT NICOLL, Chairman; O. GRANT ESTERBROOK, JAMES HAMILTON, JOHN A. BOLLES, WM. D. BRUSH, JOHN DIEMER, DANIEL R. COLEMAN, W. H. PENDRY, FRANK CUNNINGHAM, BRYANT WILLARD, Committee on Laws and Legislation.

The Vice-Chairman put the question whether the Board would agree to accept such report and adopt said ordinance.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cunningham, Curran, Davis, Delaney, Devine, Dixson, Dotzler, Dowling, Downing, Eichhorn, Esterbrook, Gaynor, Grimm, Hagenmiller, Hamilton, Herbst, Kenneally, Kenney, Lieberman, Loos, McCourt, McGarry, Marks, Meagher, Molen, Moore, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Weil, Wendel, Weston, Willard; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—45.

ORDINANCES AND RESOLUTIONS, AGAIN RESUMED.

No. 335.

By the Vice Chairman—

Resolved, That the following named persons be and they are hereby appointed Commissioners of Deeds:

By Alderman Devine—

Francis D. Haines, 425 E. 136th st., Bronx; John K. Markey, 436 E. 140th st., Bronx; Arthur C. Faulhaber, 3016 DeKalb ave., Bronx.

By Alderman Diemer—

Samuel E. Kelly, 375 Fulton st., Brooklyn; Chas. J. Pasfield, 901 Lafayette ave., Brooklyn; Robert Stewart, 375 Fulton st., Brooklyn; Michael Rosenberg, 699 DeKalb ave., Brooklyn; John C. Stemmermann, 44 Court st., Brooklyn.

By Alderman Dotzler—

Abraham E. Ellenbogen, 125 E. 90th st., Manhattan; Moris Goldberg, 255 2d st., Manhattan; Louise Pasternak, 270 E. 4th st., Manhattan; Harry Weinberger, 261 Broadway, Manhattan; M. Mandel, 224 Rivington st., Manhattan.

By Alderman Downing—

Anthony P. Hodgins, 50 Duffield st., Brooklyn; Alfred W. Andrews, 156 Montague st., Brooklyn; Arnold F. Heinmann, 776 DeKalb ave., Brooklyn; Thomas J. Kelly, 1221 Decatur st., Brooklyn.

By Alderman Drescher—

Henry Heslan, 308 W. Broadway, Manhattan.

By Alderman Eagan—

Thomas F. Sweeney, 158 E. 49th st., Manhattan.

By Alderman Eichhorn—

Harry E. Hueg, 1328 Jefferson ave., Brooklyn.

By Alderman Esterbrook—

Frank J. Mills, 304 Nostrand ave., Brooklyn; George Chailton, 179 Herkimer st., Brooklyn.

By Alderman Fink—

Charles B. Dullea, 996 Castleton ave., Richmond.

By Alderman Gaynor—

Charles A. Hull, 217 Havemeyer st., Brooklyn; Fred. C. Mezger, 3 Lee ave., Brooklyn.

By Alderman Gelbke—

Samuel I. Goldberg, 624 Boulevard, Queens.

By Alderman Gilmore—

Isidore Gratz, 1665 1st ave., Manhattan.

By Alderman Hamilton—

David L. Woodall, Jr., 119 E. 177th st., Bronx.

By Alderman Hannon—

Chas. I. White, 13 Bank st., Manhattan.

By Alderman Herbst—

Isidore Harris, 915 Intervale ave., Bronx; James D. Tierney, 1159 Fox st., Bronx; Mary Wallace, 1826 Marmion ave., Bronx.

By Alderman Lieberman—

Abraham C. Freifeld, 25 E. 99th st., Manhattan.

By Alderman Loos—

Alfonso Bivono, 325 E. 28th st., Manhattan; John F. Foley, 5 W. 124th st, Manhattan.

By Alderman McCann—

Claude C. Neville, 104 W. 61st st., Manhattan; Leo D. Quinn, 60 Wall st., Manhattan.

By Alderman McCourt—

John J. Canning, Jr., 412 10th ave., Manhattan.

By Alderman McGarry—

Louis H. Veimeister, 142 Norman ave., Brooklyn.

By Alderman McGrath—

Thomas J. Keane, 28 E. 130th st., Manhattan; C. A. Meier, 26 E. 129th st., Manhattan.

By Alderman Martyn—

Bertha G. Holtzmann, 1553 Eastern parkway, Brooklyn; Samuel H. Miller, 456 Hopkins ave., Brooklyn; Max Hirsch, 245 Thatford ave., Brooklyn; Abraham Wolodarsky, 1586 Eastern parkway, Brooklyn; Jacob L. Holtzman, 1553 Eastern parkway, Brooklyn; Arthur Casper, 1602 Pitkin ave., Brooklyn.

By Alderman Marks—

Joseph Louis Fibel, 247 W. 111th st., Manhattan.

By Alderman Meagher—

Maude V. Benton, 348 79th st., Bay Ridge, Brooklyn; Frederick A. Drake, 446 80th st., Brooklyn.

By Alderman Molen—

Peter J. Smith, 248 Prospect Park West, Brooklyn.

By Alderman Morrison—

Franklyn R. Burley, 11 Regent place, Brooklyn; Guy C. Heater, 21 Linden ave., Brooklyn; Charles W. Roth, 365 E. 22d st., Brooklyn; George A. Steves, 1425 President st., Brooklyn; George W. Anderson, 584 St. Marks ave., Brooklyn; Edw. Fortenbach, 1319 Sterling place, Brooklyn; Thomas Codey, 139 Lefferts ave., Brooklyn

By Alderman Muhlbauer—

Anna R. Gormly, 1284 Bushwick ave., Brooklyn; George Eackstein, 754 Bushwick ave., Brooklyn.

By Alderman Nugent—

Frank Brodsky, 300 E. 72d st., Manhattan.

By Alderman O'Connor—

Chas. R. Hughes, 400 Webster ave., L. I. City, Queens.

By Alderman Pendry—

Jacob C. Jung, 424 Hamburg ave., Brooklyn.

By Alderman Post—

Geo. W. L. Jarman, 119 Delaware st., Flushing, Queens.

By Alderman Shipley—

George Murray, 154 S. Oak st., Richmond Hill, Queens.

By Alderman Smith—

Denis J. Stanton, 505 W. 41st st., Manhattan.

By Alderman Stapleton—

Benjamin Horn, 265-267 Madison st., Manhattan; Paul Greenspan, 200 Broome st., Manhattan.

By Alderman Velton—

Abraham Miles, 101 Graham ave., Brooklyn; I. Sterman, 59 Manhattan ave., Brooklyn.

By Alderman Wendel, Jr.—

Arthur S. Phinny, 66 W. 46th st., Manhattan.

By Alderman Weil—

Thomas E. Webber, 1315 Clay ave., Bronx; Leo Biggotti, 243 E. 38th st., Manhattan

By Alderman White—

A. M. Caridi, 148 Bowery, Manhattan.

By Alderman Willard—

Adolph J. Kohn, 166 W. 128th st., Manhattan; John C. Van Loon, 217 W. 125th st., Manhattan.

By the President—

George J. Rhodius, 2411 Hughes st., Queens; Wm. J. A. Esperstedt, 25 Wyona st., Brooklyn; Henry M. Jennings, County Clerk's office, Manhattan; Robert O'Byrne, 267 Bay 10th st., Brooklyn; Daisie Vose, 160 Keap st., Brooklyn; Eugene P. Clark, 1353 53d st., Brooklyn.

By the Vice Chairman—

Annie S. Brandes, 980 Putnam ave., Brooklyn.

By Alderman Becker—

Ralph Henriques Blum, 138 W. 81st st., Manhattan; R. M. Crossman, 321 W. 84th st., Manhattan; Helen Flanagan, 142 Calyer st., Brooklyn.

By Alderman Bedell—

Middleton S. Borland, 311 W. 97th st., Manhattan; Marion Stansfield, 53 W. 104th st., Manhattan.

By Alderman Bolles—

Charles Heymann, 94 Hamilton st., Manhattan.

By Alderman Boschen—

Agnes K. Munson, 484 Convent ave., Manhattan; Jacob Goldman, 526 W. 151st st., Manhattan; Alfred Dwight Senftner, 428 W. 154th st., Manhattan; C. N. Rogers, 813 St. Nicholas ave., Manhattan; Thomas J. Meehan, 567 W. 161st st., Manhattan; Julius M. Walk, 880 St. Nicholas ave., Manhattan.

By Alderman Brush—

W. A. Shepard, 514 W. 114th st., Manhattan; Blanche Schoeps, 257 W. 116th st., Manhattan; W. H. Dannat Pell, 404 W. 115th st., Manhattan; Frederic D. Goodwin, 515 W. 110th st., Manhattan; Louis Gans, 109 W. 106th st., Manhattan.

By Alderman Coleman—

Samuel J. Belfer, 652 St. Johns place, Brooklyn; Harry Meyer, Jr., 585 St. Johns place, Brooklyn.

By Alderman Cummuskey—

Morris Cahan, 116 St. Marks place, Manhattan.

By Alderman Cunningham—

Wm. J. Dalton, 396 Hull st., Brooklyn.

(Continued on Page 1245.)

BOARD OF ESTIMATE AND APPORTIONMENT.

Minutes of Meeting of Board of Estimate and Apportionment, Held in Room 16, City Hall, Thursday, February 1, 1912.

FINANCIAL AND FRANCHISE MATTERS.

The Board met in pursuance of an adjournment.

Present—William J. Gaynor, Mayor; William A. Prendergast, Comptroller; Ardolph L. Kline, Acting President, Board of Aldermen; George McAneny, President, Borough of Manhattan; Alfred E. Steers, President, Borough of Brooklyn; Cyrus C. Miller, President, Borough of The Bronx; Maurice E. Connolly, President, Borough of Queens, and George Cromwell, President, Borough of Richmond.

The Mayor, Hon. William J. Gaynor, presided.

The minutes (Financial and Franchise Matters) of the meeting held January 25, 1912, were approved as printed in the CITY RECORD February 1, 1912.

FRANCHISE MATTERS.

BRONX TRACTION COMPANY.

The public hearing was opened on the form of contract for the grant of a franchise to the Bronx Traction Company to construct, maintain and operate a double track street surface railway from the existing track of the company at or near the intersection of West Farms road and Westchester avenue, thence upon and along Westchester avenue to its intersection with Eastern boulevard, Borough of The Bronx.

The hearing was fixed for this day by resolution adopted December 21, 1911.

Affidavits of publication were received from the "New York Times," the "Evening Mail" and the CITY RECORD.

No one appeared in opposition to the proposed grant. Henry A. Robinson, counsel for the company, appeared in favor.

No one else desiring to be heard the Chair declared the hearing closed.

Law Department, Office of the Corporation Counsel, New York, December 19, 1911.

Board of Estimate and Apportionment:

Sir—I have received from you the following communication dated December 15, 1911, signed by Harry P. Nichols, Engineer, Chief of Bureau:

"I am sending herewith a form of contract for a franchise to construct, maintain and operate a street surface railway upon Westchester avenue in the Borough of The Bronx to the Bronx Traction Company. This contract is sent to you for approval as to form.

"As the matter has been placed on the calendar of the Board of Estimate and Apportionment for its meeting of December 21, I will be obliged if you can return the same to me with your approval on or before Tuesday, December 19. The contract is in the usual form employed for franchises to street surface railways which has been approved by you heretofore."

I beg to state I have examined the proposed form of franchise grant and it has my approval as to form. Respectfully,

G. L. STERLING, Acting Corporation Counsel.

The following was offered:

Resolved, That the Board of Estimate and Apportionment hereby grants to the Bronx Traction Company the franchise or right fully set out and described in the following form of proposed contract for the grant thereof, embodying all of the terms and conditions, including the provisions as to rates, fares and charges, upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

This Contract, made this day of 1912, by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the Bronx Traction Company (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate a double track extension to its present street surface railway, with the necessary wires and equipment, for the purpose of conveying passengers only in the Borough of The Bronx, in The City of New York, upon the following route, to wit:

Beginning at and connecting with the existing double track railway of the Company at or near the intersection of West Farms road with Westchester avenue; thence in, upon and along Westchester avenue to its intersection with Eastern boulevard, and to cross such other streets and avenues, named and unnamed, as may be encountered in said route.

The said route with turnouts, switches and crossovers hereby authorized is shown upon a map entitled:

"Map showing Proposed Extension of The Bronx Traction Company in the Borough of The Bronx, City of New York, to accompany petition dated November 24, 1911, to the Board of Estimate and Apportionment,"

—and signed by Edward A. Maher, President, and T. F. Mullaney, Chief Engineer; a copy of which is attached hereto, is to be deemed a part of this contract, is to be construed with the text thereof, and is to be substantially followed, provided that deviations therefrom and additional turnouts, switches and crossovers which are consistent with the foregoing description, and the other provisions of this contract may be permitted by resolution of the Board.

Sec. 2. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company:

First—The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway shall be obtained by the Company within three (3) months from the signing of this contract by the Mayor, and a copy of such consents shall be filed with the Board within such time, or in the event that such consents cannot be obtained within such time, the Company shall within said three (3) months or within one (1) month thereafter, make application to the Appellate Division of the Supreme Court for the appointment of Commissioners in the manner provided by the Railroad Law to determine if said railway ought to be constructed; otherwise this grant shall cease and determine.

Second—The said right to construct, maintain and operate said railway shall be held and enjoyed by the Company from the date upon which this contract is signed by the Mayor, until January 19, 1936, with the privilege of renewal of said contract for the further period of twenty-five (25) years upon a fair revaluation of such right and privilege.

If the Company shall determine to exercise its privilege of renewal it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time not earlier than two (2) years and not later than one (1) year before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but in no case shall the annual rate of compensation to the City be fixed at a less amount than the sum required to be paid during the last year prior to the termination of the original term of this contract.

If the Company and the Board shall not reach such agreement on or before the day one (1) year before the expiration of the original term of this contract, then the annual rate of compensation for such succeeding twenty-five (25) years shall be reasonable, and either the City (by the Board) or the Company shall be bound upon request of the other to enter into a written agreement with each other, fixing the rate of such compensation at such amount as shall be reasonable, but in no case shall the annual rate so fixed be less than the sum required to be paid for the last year prior to the termination of the original term of this contract, and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate and at such amount as shall be determined by three disinterested freeholders selected in the following manner:

One disinterested freeholder shall be chosen by the Board; one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluation aforesaid. Such appraisers shall be chosen at least six (6) months prior to the expiration of this original contract, and their report shall be filed with the Board within three (3) months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience and upon such information as they may obtain by inquiries and investigations, without the presence of either party. They shall have the right to examine any of the books of the Company and its officers under oath. The valuations so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum shall, in any event, be less than the sum required to be paid for the last year of the original term of this contract. If in any case the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate theretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company each paying one-half thereof.

Third—The Company shall pay to the City for the privilege hereby granted the following sums of money:

(a) The sum of one thousand five hundred dollars ($1,500) in cash within three (3) months after the date on which this contract is signed by the Mayor and before anything is done in exercise of the privilege hereby granted.

(b) During the first term of five (5) years an annual sum which shall in no case be less than one thousand five hundred and fifty dollars ($1,550), and which shall be equal to three (3) per cent. of its gross annual receipts if such percentage shall exceed the sum of one thousand five hundred and fifty dollars ($1,550).

During the second term of five (5) years an annual sum which shall in no case be less than two thousand eight hundred dollars ($2,800), and which shall be equal to five (5) per cent. of its gross annual receipts if such percentage shall exceed the sum of two thousand eight hundred dollars ($2,800).

During the third term of five (5) years an annual sum which shall in no case be less than three thousand one hundred dollars ($3,100), and which shall be equal to five (5) per cent. of its gross annual receipts if such percentage shall exceed the sum of three thousand one hundred dollars ($3,100).

During the fourth term of five (5) years an annual sum which shall in no case be less than three thousand four hundred dollars ($3,400), and which shall be equal to five (5) per cent. of its gross annual receipts if such percentage shall exceed the sum of three thousand four hundred dollars ($3,400).

During the remaining term expiring January 19, 1936, an annual sum which shall in no case be less than three thousand seven hundred and fifty dollars ($3,750), and which shall be equal to five (5) per cent. of its gross annual receipts if such percentage shall exceed the sum of three thousand seven hundred and fifty dollars ($3,750).

The gross annual receipts mentioned above shall be that portion of the gross receipts of the Company as shall bear the same proportion to its whole gross receipts as the length of the extension hereby authorized shall bear to the entire length of the railway of the Company in operation within the limits of the City.

The annual charges shall commence from the date upon which this contract is signed by the Mayor.

All annual charges as above shall be paid into the Treasury of the City on November 1 of each year and shall be for the amount due to September 30 next preceding. Provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following shall bear to the whole of one year.

Whenever the percentage required to be paid shall exceed the minimum amount as above, then such sum over and above such minimum shall be paid on or before November 1 in each year for the year ending September 30, next preceding.

The annual charges herein provided are intended to include the percentages of gross receipts now required to be paid by railway companies to the City, pursuant to the Railroad Law, as amended.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be made in addition to any and all taxes of whatsoever kind or description, now or hereafter required to be paid by any ordinance of the City, or resolution of the Board, or any laws of the State of New York.

Fourth—The annual charges or payments shall continue throughout the whole term of this contract (whether original or renewal), notwithstanding any clause in any statute or in the charter of any other railway or railroad company providing for payment for railway or railroad rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted (whether original or renewal), or of any part thereof, or of any of the routes mentioned herein, or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all the conditions of this contract; and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said conditions as to payments, anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemption from liability to perform each and all of the conditions of this contract.

Fifth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions over the route hereinbefore described.

The use of the railway constructed by the Company under this contract, including the tracks, wires and other equipment or any structures used in connection therewith in streets and avenues hereinbefore described shall be permitted by the Company, to any individual or corporation which the City may have granted, or may hereafter grant, the right or privilege to use such streets and avenues for street railway purposes, upon payment of an annual sum by such individual or corporation to the Company, which shall equal the legal interest on such proportion of the actual cost of the construction of such railway and structures, and additions and betterments thereto, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same; and also such proportion of the cost of keeping the tracks and electrical equipment in repair, and the cost of additions and betterements thereto, such proportion of laying and repairing of pavement and removal of snow and ice and all other duties imposed upon the Company by the terms of this contract in connection with the maintenance or the operation of said railway so used, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same, together with the actual cost of the power necessary for the operation of the cars thereon of such individual or corporation. Provided, however, that if, in the opinion of the Company, the legal rate of interest upon the cost of such railway shall be an insufficient sum to be paid for the use of such tracks, it may appeal to the Board and the Board may fix a percentage upon the cost to be paid to the Company, at a sum in excess of the legal rate of interest, if, in its opinion, such action is justified.

The Company shall not at any time oppose, but shall, upon the request of the Board, consent to the construction or operation of any street surface railway which may necessitate the use of any portion of the railway which shall be constructed by the Company pursuant to this contract.

Sixth—The rights and privileges hereby granted shall not be assigned, either in whole or in part or leased or sublet in any manner, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company, or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in anywise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Seventh—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the tracks and equipments of the Company constructed pursuant to this contract within the streets and avenues shall become the property of

the City without costs, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this contract as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of its tracks and other equipment constructed pursuant to this contract and the said streets and avenues shall be restored to their original condition at the sole cost and expense of the Company.

Eighth—The Company shall commence construction of the railway herein authorized within three (3) months from the date upon which the consents of the property owners are filed with the Board or from the date of the order of the Appellate Division of the Supreme Court made pursuant to section 174 of the Railroad Law confirming the determination of the Commissioners appointed thereunder, that such railway ought to be constructed, and shall complete the construction and place the same in full operation within three (3) months from the date of filing such consents or the date of such order; otherwise this right shall cease and determine, and all sums paid, or which may be deposited with the Comptroller of the City, as hereinafter provided, shall thereupon be forfeited to the City; provided that the period for commencement and the period for completion and placing the railway in full operation may be extended by the Board, but the total extension of time for either of such periods shall not exceed in the aggregate six (6) months; and provided, further, that when the commencement or completion of said construction shall be prevented by legal proceedings in any court or by works of public improvement, or from other causes not within control of the Company, the time for the commencement or completion of such construction may be extended for the period of such prevention, but no delay shall be allowed for unless the court proceedings shall be diligently prosecuted by the Company, and provided further, that in no case shall such delay be deemed to begin until the company shall have given written notice to the Board of any such court proceedings or other occasion of delay, and deliver to the Board copies of any injunction or other orders, and the papers upon which the same shall have been granted, and unless upon the request of the Board the Company shall, in writing, consent that the Board either in its own name as a party, or in the name of the City as a party, may intervene in any such proceedings.

Ninth—Said railway shall be constructed and operated in the latest approved manner of street railway construction and operation, and it is hereby agreed that the Board may require the Company to improve or add to the railway equipment, including rolling stock and railway appurtenances, from time to time, as such additions and improvements are necessary, in the opinion of the Board. Upon failure on the part of the Company to comply with the direction of the Board within a reasonable time the rights hereby granted shall cease and determine.

Tenth—Said railway shall be constructed, maintained and operated subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City.

No construction upon said railway shall be commenced until written permits have been obtained from the proper City officials.

In any permits so issued such officials may also impose such conditions, as a condition of the granting of the same, as are necessary for the purpose of protecting any structures, in the streets and avenues, over which such officials have jurisdiction, and the Company shall comply with such conditions.

The electrical equipment to be installed by the Company for the operation of the railway within the limits of the City, whether the same be upon streets and avenues or upon private property, shall be constructed and maintained under the supervision and control of the Commissioner of Water Supply, Gas and Electricity.

Eleventh—Said railway may be operated by overhead electric power substantially similar to the overhead electric system now in use by street surface railways in the Borough of The Bronx, or by any other motive power except locomotive steam power or horse power, which may be approved by the Board and consented to by the abutting property owners, in accordance with the provisions of law, and by the Public Service Commission for the First District of the State of New York.

Twelfth—Upon six (6) months' notice by the Board to the Company, all wires for the transmission of power, except trolley wires for the operation of the railway, upon all or any portion of the route hereby authorized, shall be placed in conduits beneath or alongside of the railway. The Company shall provide in such conduits two (2) ducts not less than three (3) inches in diameter for the exclusive use of the City. Such ducts shall be used only by the Company for the operation of its railway and by the City, as above.

Thirteenth—The rate of fare for any passenger upon said railway shall not exceed five (5) cents, and the Company shall not charge any passenger more than five (5) cents for one continuous ride from any point on its road, or on any road, line or branch operated by it or under its control, to any other point thereof, or of any connecting branch thereof, within the limits of the City.

The Company shall carry free upon the railway hereby authorized during the term of this contract all members of the Police and Fire Departments of the City, when such employes are in full uniform.

Fourteenth—No cars shall be operated upon the railway hereby authorized, other than passenger cars and cars necessary for the repair or maintenance of the railway, and no freight cars shall be operated upon the tracks of said railway.

Fifteenth—The Company shall attach to each car run over the said railway proper fenders and wheel guards, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Sixteenth—All cars which are operated on said railway shall be heated during the cold weather, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Seventeenth—All cars operated on raid railway shall be well lighted by electricity, or by some lighting system equally efficient, or as may be required by resolution of the Board.

Eighteenth—Cars on said railway shall run at intervals of not more than thirty (30) minutes, both day and night, and as much oftener as reasonable convenience of the public may require, or as may be directed by the Board.

Provided, however, that the Company during the first five (5) years of this contract shall not be required to operate its cars between the hours of one (1) o'clock a. m. and five (5) o'clock a. m. each day, unless the Board shall determine after a hearing had thereon that public convenience requires the operation of cars during said hours.

Nineteenth—The Company, so long as it shall continue to use any of the tracks upon the streets and avenues in which said railway shall be constructed, shall, if directed by the President of the Borough of The Bronx, cause to be watered at least three (3) times every twenty-four (24) hours when the temperature is above thirty-five (35) degrees Fahrenheit, the entire width of the streets and avenues, except when the width of such streets and avenues shall exceed sixty (60) feet between curb lines, in which case the Company shall cause to be watered only sixty (60) feet in width of such roadway, and the Company shall provide for such purpose at least one tank car, the capacity of which shall be sufficient to water such streets and avenues in a satisfactory manner.

Twentieth—The Company shall at all times keep the streets and avenues upon which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails, on either side thereof, free and clear from ice and snow; provided, however, that the Company shall, at the option of the Commissioner of Street Cleaning, enter into an agreement for each winter season, or part thereof, to clean an equivalent amount of street surface from house line to house line.

Twenty-first—As long as said railway, or any portion thereof, remains in any street or avenue, the Company shall pave and keep in permanent repair that portion of the surface of the street or avenue in which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails on either side thereof, under the supervision of the local authorities, whenever required by them to do so, and in such manner as they may prescribe. In case of the neglect of the Company to make pavement or repairs after the expiration of thirty (30) days' notice to do so from the President of the Borough of The Bronx, said President may make the same at the expense of the Company. And the City shall have the right to change the material or character of the pavement of any street or avenue, and in that event the Company shall be bound to replace such pavement in the manner directed by the proper City official, at its own expense, and the provisions as to repairs herein contained shall apply to such renewed or altered pavement.

Twenty-second—Any alteration to the sewerage or drainage systems, or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the railway, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Twenty-third—It is agreed that the right hereby granted to operate a street surface railway shall not be in preference or in hindrance to public work of the City, and should the said railway in any way interfere with the construction of public works in the streets and avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the tracks and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Twenty-fourth—Should the grades or lines of the streets and avenues in which the railway is hereby authorized be changed at any time after the railway has been constructed and during the term of this contract, the Company shall, at its own expense, change its tracks and appurtenances to conform with such new grades and lines, and during the construction of any public improvement upon said streets and avenues the Company shall take care of and protect the tracks and appurtenances at its own expense, all to be done subject to the direction of the City official having jurisdiction over the construction of such change.

Twenty-fifth—The Company shall submit to the Board a report not later than November 1 of each year for the year ending September 30 next preceding, and at any other time, upon request of the Board, which shall state:

1. The amount of stock issued, for cash, for property.
2. The amount paid in as by last report.
3. The total amount of capital stock paid in.
4. The funded debt by last report.
5. The total amount of funded debt.
6. The floating debt as by last report.
7. The total amount of floating debt.
8. The total amount of funded and floating debt.
9. The average rate per annum of interst on funded debt.
10. Statement of dividends paid during the year.
11. The total amount expended for same.
12. The names of the directors elected at the last meeting of the corporation held for such purpose.
13. Location, value and amount paid for real estate owned by the Company as by last report.
14. Location, value and amount paid for real estate now owned by the Company.
15. Number of passengers carried during the year.
16. Total receipts of Company for each class of business.
17. Amounts paid by the Company for damage to persons or property on account of construction and operation.
18. Total expenses for operation, including salaries.

—and such other information in regard to the business of the Company as may be required by the Board.

Twenty-sixth—The Company shall at all times keep accurate books of account of the gross receipts from all sources within the limits of the City, and shall, on or before November 1 of each year, make a verified report to the Comptroller of the City of the business done by the Company for the year ending September 30 next preceding in such form as he may prescribe. Such report shall contain a statement of such gross receipts, the total miles in operation within the limits of the City, and the miles of railway constructed and operated under this contract, and such other information as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctness of its report, and may examine its officers under oath.

Twenty-seventh—In case of any violation or breach or failure to comply with any of the provisions herein contained, or with any orders of the Board acting under the powers herein reserved, the franchise or consent herein granted may be forfeited by a suit brought by the Corporation Counsel, on notice of ten (10) days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the railway constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Twenty-eighth—If the Company shall fail to give efficient public service at the rates herein fixed, or fail to maintain its structures and equipment as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time; and upon failure of the Company to remedy such default within a reasonable time, the Company shall, for each day thereafter during which the default or defect remains, pay to the City the sum of two hundred and fifty dollars ($250) as fixed or liquidated damages, or the Board, in case such structures or equipment which may affect the surface of the streets shall not be put in good condition within a reasonable time after notice by the Board as aforesaid shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Twenty-ninth—The Company shall assume all liability to persons or property by reason of the construction or operation of the railway authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which they City shall be compelled to pay by reason of any acts or default of the Company.

Thirtieth—This grant is upon the express condition that any and all sums of money or any and all securities heretofore deposited with the Comptroller by the Company under and pursuant to franchises heretofore granted to it by the City as a fund for the security for the performance by the Company of the terms and conditions of the franchises so granted, shall likewise be a fund for the security for the faithful performance by the Company of all the terms and conditions of this contract and compliance with all orders of the Board acting under the powers herein reserved, especially those which relate to the payment of the annual charges for the privilege hereby granted, the rendering of efficient public service at the rates herein fixed, the repairs of the street pavement, the removal of snow and ice, the quality of construction of the railway and the maintenance of the property in good condition throughout the whole term of this contract, and in case of default in the performance by the Company of such terms and conditions or compliance with such orders, or either or any of them, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or after default in the payment of the annual charges, shall collect the same, with interest, from the said fund after ten (10) days' notice to the Company; or in case of failure to observe the said terms and conditions of this contract and orders of the Board acting hereunder, relating to the headway, heating and lighting of cars, fenders, wheel-guards and watering of street pavements, the Company shall pay a penalty of fifty dollars ($50) per day for each day of violation, and the further sum of ten dollars ($10) per day for each car that shall not be properly heated, lighted or supplied with fenders or wheel-guards, in case of a violation of the provisions relating to those matters, all of which sums may be deducted from said fund.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company, directing its President or other officer, to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing, appears in the judgment of the Board to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice, pay to the City a sum suffcient to restore said security fund to the original

amount, and in default thereof this contract shall be canceled and annulled at the option of the Board acting in behalf of the City. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Thirty-first—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Thirty-second—The words "streets or avenues" and "streets and avenues," wherever used in this contract, shall be deemed to mean "streets, avenues, highways, parkways, driveways, concourses, boulevards, bridges, viaducts, tunnels, public places or any other property to which the City has title or over which the public has an easement," encountered in the route hereinabove described, and upon or in which authority is hereby given the Company to construct a railway.

Thirty-third—If at any time the powers of the Board or any other of the authorities herein mentioned or intended to be mentioned, shall be transferred by law to any other board, authority, officer or officers, then and in such case other board, authority, officer or officers, shall have all the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Sec. 3. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the Laws of the State of New York.

Sec. 4. This grant is also upon the further and express condition that the provisions of article 5 and the other provisions of the Railroad Law pertinent hereto shall be strictly complied with by the Company.

Sec. 5. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms and conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
[CORPORATE SEAL.] By....., Mayor.
Attest: ....., City Clerk.

BRONX TRACTION COMPANY,
[SEAL.] By....., President.
Attest: ....., Secretary.

(Here add acknowledgments.)

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

DRY DOCK, EAST BROADWAY AND BATTERY RAILROAD COMPANY.

The public hearing was opened on the petition of the Dry Dock, East Broadway and Battery Railroad Company for a franchise to construct, maintain and operate a single track extension commencing with the tracks of the Company in Canal Street at the easterly side of Broadway upon and along Canal Street to Church street, thence southerly upon and along Church street to Lispenard street, there connecting with the existing tracks of the Company.

This petition was presented to the Board at the meeting of January 4, 1912, when by resolution duly adopted this day was fixed as the date for hearing and the petition referred to the Bureau of Franchises.

Affidavits of publication were received from the "New York Press," "The Sun" and the CITY RECORD.

No one appeared in opposition to the proposed grant. Henry A. Robinson, counsel for the Company, appeared in favor. No one else desiring to be heard, the Chair declared the hearing closed.

The matter was then referred back to be Bureau of Franchises.

NEW YORK MEGAPHONE AND MUSIC COMPANY.

In the matter of the franchise granted to the New York Magnaphone and Music Company to construct, maintain and operate suitable wires and other conductors within the territory comprised in the Borough of Manhattan and that portion of the Borough of The Bronx lying west of the Bronx River for the purpose of distributing music and matters of general interest electrically by means of a magnaphone.

This franchise was granted by resolution adopted December 14, 1911, approved by the Mayor December 15, 1911.

The Secretary presented the following:

Bureau of Franchises, January 26, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment:*

Sir—By resolution adopted by the Board of Estimate and Apportionment December 14, 1911, approved by the Mayor December 15, 1911, the New York Magnaphone and Music Company was granted a franchise to construct, maintain and operate suitable wires and other electrical conductors within the territory comprised in the Borough of Manhattan and that portion of the Borough of The Bronx, lying west of the Bronx River for the purpose of distributing music and matters of general interest electrically by means of a magnaphone.

The contract as authorized by said resolution was executed by the President and Secretary of the Company December 26, 1911, and by the Mayor and City Clerk January 17, 1912, and bears the latter date.

The Departments interested have been advised of the execution of the contract. The original has been placed on file in this office and the duplicate original delivered to the Company.

As the grant is now in full force and effect, it is recommended that the papers be filed. Respectfully, HARRY P. NICHOLS, Engineer, Chief of Bureau.

Which was ordered filed.

RAILWAY OVER MANHATTAN BRIDGE—THE BROOKLYN & NORTH RIVER RAILROAD COMPANY.

In the matter of the petition of The Brooklyn & North River Railroad Company for a franchise to construct, maintain and operate a double track street surface railway by overhead trolley from a point at or near the intersection of Canal Street and the Bowery, Borough of Manhattan, upon and along Canal Street, the Manhattan bridge and its approaches to the Borough of Brooklyn; thence upon and along bridge property to Nassau Street to Flatbush Avenue extension to a point at or near the intersection of Flatbush Avenue and Fulton Street, Borough of Brooklyn; also to operate a local service on the Manhattan Bridge and the grant to be made conditional upon the Company obtaining trackage rights from the existing Companies to operate to the North River at or near Desbrosses Street Ferry.

This petition was presented to the Board at the meeting of January 18, 1912.

A report was also presented on said date from the Bureau of Franchises, discussing in detail the matter of operation over the Manhattan Bridge, Canal Street and Flatbush Avenue.

The report submitted to the Board two questions to determine as follows:

First—Whether or not the petition in its present form should be progressed and the position taken by the New York Railways Company objecting to the application covering any part of Canal Street in which it had acquired prior rights be accepted.

Second—Whether or not the new Company should be required to apply for and accept a franchise to the North River.

Action was deferred until this day and the matter referred to the Franchise Committee.

The matter was laid over.

THIRD AVENUE BRIDGE COMPANY.

In the matter of the application of the Third Avenue Bridge Company for an extension of time in which to complete the operation of its railway upon and along 3rd Avenue from East 59th Street to East 60th Street and through said streets to and over the Queensboro Bridge to the Queens Plaza thereof, pending the completion of certain work upon the bridge by the City.

This application was presented to the Board at the meeting of May 11, 1911, and was ordered filed with the understanding that the extension of time would be granted upon the completion of the work.

The petition is printed in full in the Minutes of May 11, 1911.

The Secretary presented the following:

Bureau of Franchises, January 25, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held May 11, 1911, a communication was presented from the General Manager of the Third Avenue Bridge Company, requesting an extension of time in which to commence the operation of cars upon and along Third Avenue, from East 59th Street to East 60th Street, and through said streets to and over the Queensboro Bridge to the Queens Plaza thereof, pending the completion of certain work upon said bridge by the City.

The Third Avenue Bridge Company was authorized to construct, maintain and operate a street surface railway upon the route described above by contract dated December 31, 1909. This contract provided that construction of the railway should be commenced within three months from the date of obtaining the property owners' consents, and the railway completed and in full operation within six months from the date of obtaining such consents. The property owners' consents were filed with the Board on May 2, 1910, and the dates for the commencement and completion of the railway fixed respectively at August 2 and November 2, 1910.

By resolution approved by the Mayor July 1, 1910, the Company was granted an extension of time of six months within which to commence construction, to-wit; to February 2, 1911, and it was so commenced on that date. An additional period of six months within which to complete such construction was also granted. Under this amendment the time for the completion of the railway expired May 2, 1911. The contract further provided that if the completion of construction should be prevented by works of public improvement or by causes not within the control of the Company, the time for such completion might be extended for the period of prevention, provided the Company should give written notice to the Board of the cause for the delay. The communication presented at the meeting of May 11, 1911, was in compliance with this provision.

On April 1, 1911, a passenger car was operated under its own power from the Manhattan entrance of the Queensboro Bridge, along 60th Street to Third Avenue, down said avenue to 59th Street and east on 59th Street to the Bridge. All of the work connected with the construction of the railway in these streets was completed early in May 1911.

Under the terms of the contract, the Company is required to operate by the underground system of electricity. At the time the street surface railway tracks were installed on the Queensboro Bridge by the City no provision was made for this system of operation. It was, therefore, necessary to fully equip the Bridge for operation by the underground system, and also install additional tracks for underground operation on the Plaza on the Queens end of the Bridge before operation of the entire route as granted to the Third Avenue Bridge Company could be commenced. A contract for this work was entered into by the Department of Bridges on March 23, 1911. As it could not be definitely determined at the time the communication requesting an extension of time for the commencement of operation was received from the Company when the work on the Bridge and the Plaza would be completed, it was recommended in a report of this Bureau presented at the meeting of May 11, 1911, that said communication be filed with the understanding that the extension of time asked for would be granted upon the completion of such work.

Under date of January 20, 1912, the Commissioner of Bridges advised this Bureau that the tracks on the Queensboro Bridge would be ready for the operation of the cars of the Third Avenue Bridge Company on January 23. The Company was immediately furnished with a copy of the Commissioner's letter, and requested to inform this Bureau of the date on which operation over the bridge was commenced. Such operation was commenced on the afternoon of January 24, 1912. The first car leaving the Queensboro Plaza of the Bridge about 4.15.

The line is operated from the Queens Plaza across the bridge to 60th Street, to Third Avenue, Borough of Manhattan, and thence southerly on Third Avenue to 42nd Street, over the tracks of the Third Avenue Railway Company, and thence westerly through 42nd Street over the tracks of the 42nd Street, Manhattanville and St. Nicholas Avenue Railway Company to the Ferry at West 42nd Street, and returns by the same route to 59th Street, thence to 2nd Avenue and the Bridge.

As above recited, the Company was prevented from commencing operation over the Bridge on May 2, 1911, the date fixed by the contract as amended, by a cause not within its control. Such operation was, however, commenced immediately on receipt of notification that the work on the Bridge had been completed.

It is, therefore, recommended that a resolution be adopted extending the time for the commencement of operation by the Company for the period of prevention, to-wit, from May 2, 1911, to January 24, 1912. A resolution to this effect is herewith transmitted. Respectfully, HARRY P. NICHOLS, Engineer, Chief of Bureau.

Henry A. Robinson, counsel for the Company, appeared in favor.

The following was offered:

Whereas, The Board of Estimate and Apportionment did, by contract dated December 31, 1909, grant a franchise to the Third Avenue Bridge Company to construct, maintain and operate a single track street surface railway in East Fifty-ninth Street and East Sixtieth Street between Third Avenue and the entrance to the Queensboro Bridge; and also to operate cars upon two tracks on the Queensboro Bridge and the approaches thereto, between Second Avenue in the Borough of Manhattan, and Jackson Avenue in the Borough of Queens; and

Whereas, Subdivision Eighth, Section 2, of said contract provides as follows:

"The Company shall commence construction of the railway herein authorized within three (3) months from the date upon which the consents of the property owners are obtained, or from the date upon which the decision of the Appellate Division of the Supreme Court that such railway ought to be constructed is rendered in lieu of such consents, and shall complete the construction and place the same in full operation within six (6) months from the date of obtaining such consents or such decision; otherwise this right shall cease and determine, and all sums paid, or which may be deposited with the Comptroller of the City, as hereinafter provided, shall thereupon be forfeited to the City; provided that such periods may be extended by the Board for a period or periods not exceeding in the aggregate six (6) months each; and provided, further, that when the commencement or completion of said construction shall be prevented by legal proceedings in any Court or by works of public improvement, or from other causes not within control of the Company, the time for the commencement or completion of such construction may be extended for the period of such prevention, but no delay shall be allowed for unless the Court proceedings shall be diligently prosecuted by the Company; and provided, further, that in no case shall such delay be deemed to begin until the Company shall have given written notice to the Board of any such Court proceedings or other occasion of delay, and deliver to the Board copies of any injunction or other orders, and the papers upon which the same shall have been granted, and unless upon the request of the Board the Company shall, in writing, consent that the Board, either in its own name as a party or in the name of the City as a party, may intervene in any such proceedings"

—and

Whereas, The consents of abutting property owners were filed with this Board on May 2, 1910; and

Whereas, The time for commencement of construction of the railway expired August 2, 1910, and the time for the completion of such construction and placing the railway in full operation expired November 2, 1910; and

Whereas, By resolution adopted by this Board June 24, 1910, and approved by the Mayor July 1, 1910, the Company was granted an extension of time six months within which to commence the construction of its railway, and it was so commenced within said time, and also an extension of time of six months within which to complete such construction; and

Whereas, The time for the completion of construction and placing the railway in full operation, as thus extended, expired May 2, 1911; and

Whereas, That portion of the Company's railway in East 59th Street and East 60th Street and Third Avenue, Borough of Manhattan, was completed on or before said date; and

Whereas, The Company in a communication dated April 24, 1911, presented to the Board May 11, 1911, gave written notice that the completion of construction was prevented by causes not within the control of the Company as the work of equipping the tracks upon the Queensboro Bridge and its approaches had not been completed by the City and therefore cars could not be operated over said bridge in the manner provided for in the contract between the City and the Company; and

Whereas, Such work was completed January 23, 1912, and the full operation of the railway was commenced by the Company January 24, 1912; now, therefore, be it

Resolved, That the Board of Estimate and Apportionment herein and hereby grants to the Third Avenue Bridge Company an extension of time from May 2, 1911, to January 24, 1912, within which to commence the operation of its railway upon the route described in said contract of December 31, 1909.

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

UNITED STATES METAL PRODUCTS COMPANY.

A communication was received from the Department of Water Supply, Gas and Electricity stating that the United States Metal Products Company is maintaining certain electric conductors without authority in College Point, Borough of Queens, as follows:

(a) Two overhead wires across 10th Street, between 3d and 4th Avenues, connecting the factory of the company with a clubhouse on the northeast corner of 4th Avenue and 10th Street.

(b) Two electric conduits and a steam pipe across 8th Street between 3d and 4th Avenues.

The communication was referred to the Bureau of Franchises.

VALENTINE VARNISH COMPANY.

A communication was received from the Department of Water Supply, Gas and Electricity stating the Valentine Varnish Company is maintaining without authority a 3-wire feeder across Jackson Street, Borough of Brooklyn, connecting its factory building, Nos. 124-136 Jackson Street, with its stable, No. 131 Jackson Street.

The communication states the Company also maintains without authority a pair of wires connecting with a watchman's clock system across the highway diagonally from the southeast corner of the factory building to the stable building.

The communication was referred to the Bureau of Franchises.

ROBERT J. COLLIER.

In the matter of the consent granted to Robert J. Collier to continue to maintain and use a single span bridge across West 13th Street, east of Washington Street, Borough of Manhattan, connecting premises leased by the grantee and to be used as a passageway and for the conveyance of paper and other materials used in the business of the grantee.

This consent was granted by resolution adopted by this Board February 16, 1911, and approved by the Mayor on the same day.

A communication was received from the Attorney for the Company submitting communication from the Fire Department stating the Company has complied with the requirements of said Department; also certificate from the Art Commission approving of the design of the bridge.

A communication was also received from the attorney for the Company stating the construction of the bridge has been completed.

The communications from the Fire Department and the Art Commission are submitted in accordance with Section 6 of the consent, and the notice of completion is submitted in accordance with the provisions of Section 14 of the consent.

The papers were ordered filed.

NEW YORK CITY INTERBOROUGH RAILWAY COMPANY.

In the matter of the consents of abutting property owners to the construction, maintenance and operation of a street surface railway by the New York City Interborough Railway Company upon and along Dongan Street, Stebbins Avenue, East 163d Street, Washington and Elton Avenues, Borough of The Bronx.

The consents were presented to the Board at the meeting of January 18, 1912, under and pursuant to Section 2-First of the contract dated October 10, 1911, granting a franchise to this Company and were referred to the Bureau of Franchises.

A communication was received from the attorney for the Company, submitting an additional consent of property owners on Elton Avenue.

The Secretary presented the following:

Division of Franchises, January 26, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment:*

Sir—The contract between the City of New York and the New York City Interborough Railway Company, for the construction, maintenance and operation of a street surface railway upon and along Elton and Washington Avenues, East 163rd Street, Stebbins Avenue and Dongan Street or East 163rd Street, from East 161st Street to Intervale Avenue, Borough of The Bronx, which was executed by the President and Secretary of the Company October 4, 1911, and by the Mayor and City Clerk October 10, 1911, and bears the latter date, provides in Section 2-First, in part as follows:

"The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway shall be obtained by the Company within three (3) months from the signing of this contract by the Mayor, and a copy of such consents shall be filed with the Board within such time * * *, otherwise this grant shall cease and determine."

Pursuant to this provision, the Company on January 9, 1912, filed with the Board of Estimate and Apportionment copies of the consents of the abutting property owners along the route of the grant. An examination of such consents revealed that those obtained on Elton Avenue were less than the required fifty per cent. of the assessed valuation. The Company was advised of this fact, and on January 26, 1912, filed with the Board an additional consent on this street, which brought the total of the consents filed to more than the required fifty per cent. of the assessed valuation.

Fifty per cent. of the assessed valuation and the amount of consents obtained on each of the streets covered by the grant is shown in detail by the following table:

Street.	50% of Assessed Valuation.	Consents Obtained.
Elton Ave. from 161st St. to Washington Ave.....	$92,750 00	$111,000 00
Washington Ave. from Elton Ave. to 163rd St.....	28,500 00	41,000 00
163rd St. from Washington Ave. to Stebbins Ave.....	1,375,850 00	1,536,700 00
Stebbins Ave. from 163rd St. to Dongan St.....	19,350 00	24,000 00
Dongan St. from Stebbins Ave. to Intervale Ave.....	372,500 00	745,000 00

The contract further provided for an initial payment of $1,500 in cash within three months after the date of said contract. I am advised by the Department of Finance that this payment was made on December 19, 1911.

From the foregoing it would appear that the Company had complied with the requirements of the contract relative to obtaining and filing property owners' consents and making the initial payment.

Section 2-Eighth of the contract provides that construction of the railway shall be commenced within six months from the date of filing the property owners' consents, and that such construction shall be completed and the extension in full operation within twelve months from the date of filing the consents. Under this provision the dates for the commencement and completion of construction would be July 9, 1912, and January 9, 1913, respectively.

It is recommended that the consents of the abutting property owners be accepted, and that the Secretary of this Board be directed to forward a copy of this report to the Company calling attention to the dates for the commencement and completion of construction.

A resolution to this effect is herewith transmitted.

Respectfully, HARRY P. NICHOLS, Engineer, Chief of Bureau.

The following was offered:

Resolved, That the copies of consents of abutting property owners to the construction, maintenance and operation of a street surface railway upon and along Elton Avenue, Washington Avenue, East 163rd Street, Stebbins Avenue and Dongan Street or East 163rd Street, from East 161st Street to Intervale Avenue, Borough of The Bronx, as an extension to the existing system of the New York City Interborough Railway Company, and filed with this Board January 9 and January 25, 1912, be and they are hereby accepted, and be it further

Resolved, That the attention of the Company be invited to the fact that construction should be commenced July 9, 1912, and the railway completed and in operation January 9, 1913.

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

COMMUNICATIONS FROM THE MAYOR'S OFFICE.

Communications were received from the Mayor's office, returning duly approved by His Honor the Mayor, on January 19, 1912, resolutions adopted by this Board January 18, 1912, as follows:

(a) Granting the New York, Westchester & Boston Railway Company an extension of time of three months in which to complete construction of its railroad from the northerly line of the City as far south as East 174th Street, Borough of The Bronx.

(b) Granting the Kingsbridge Railway Company permission to construct, maintain and use certain wires on Broadway between 218th and 225th Streets, Borough of Manhattan.

Designating Newspapers as Follows:

(c) The "New York Press" and the "New York Commercial" as the newspapers in which the petition and notice of hearing thereon of the Automatic Fire Alarm Company for a franchise shall be published prior to the hearing on February 15, 1912.

(d) The "New York Press" and "The Sun" as the newspapers in which the petition and notice of hearing thereon of the Manhattan Fire Alarm Company for a franchise shall be published prior to the hearing on February 15, 1912.

(e) The "New York Times" and the "Evening Mail" as the newspapers in which the petition and notice of hearing thereon of the National District Telegraph Company for a franchise shall be published prior to the hearing on February 15, 1912.

(f) The "New York Press" and the "Globe" as the newspapers in which the petition and notice of hearing thereon of the New York, Westchester & Boston Railway Company for an extension of time shall be published prior to the hearing on February 29, 1912.

(g) The "New York Press" and the "Evening Mail" as the newspapers in which the form of contract and notice of hearing thereon granting the New York City Interborough Railway Company an extension of time in which to complete the construction of certain extensions to its existing system in the Boroughs of Manhattan and The Bronx shall be published prior to the hearing on February 29, 1912.

Which were ordered filed.

KLEINERT RUBBER COMPANY.

A communication was received from the Department of Water Supply, Gas and Electricity stating the Kleinert Rubber Company is maintaining overhead wires across Fifth Avenue, College Point, Borough of Queens, connecting its factory buildings on opposite sides of said street without authority.

Which was referred to the Bureau of Franchises.

AMERICAN SUGAR REFINING COMPANY.

A communication was received from the Department of Water Supply, Gas and Electricity stating the American Sugar Refining Company is maintaining without authority an 8-inch pipe containing 35 electrical conductors of various kinds, connecting the refinery with the machine shop of the Company at the corner of Front and Pidgeon Streets, Borough of Queens.

Which was referred to the Bureau of Franchises.

NEW YORK CENTRAL & HUDSON RIVER RAILROAD COMPANY.

In the matter of the consent granted to the New York Central & Hudson River Railroad Company to continue to maintain and operate a spur track across East 241st Street west of First Street, Borough of The Bronx, for one year from November 23, 1911.

This consent was granted by resolution adopted by this Board January 4, 1912, approved by the Mayor, January 5, 1912.

The Secretary presented the following:

Bureau of Franchises, January 26, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment:*

Sir—By resolution adopted by the Board of Estimate and Apportionment January 4, 1912, approved by the Mayor January 5, 1912, the New York Central and Hudson River Railroad Company was granted an extension of time until November 23, 1912, to maintain and operate a spur track across East 241st Street, West of First Street, Borough of The Bronx, for the purpose of facilitating the conveyance of materials in connection with the proposed improvements of the Company in the City of Mt. Vernon.

Section 15 of the consent provides as follows:

"This consent shall be null and void unless said grantee shall duly execute an instrument in writing, wherein said grantee shall accept this consent and shall promise, covenant and agree to conform to, abide by and perform all the terms, conditions and requirements in this consent fixed and contained and file said instrument with the Board of Estimate and Apportionment of The City of New York within thirty (30) days after the approval of this consent by the Mayor; provided, however, that such time may be extended by the Board of Estimate and Apportionment.

And said grantee shall promise, covenant and agree in said instrument to hold The City of New York harmless from all damages to persons or property which may result from the construction, use, maintenance or operation of the structure hereby authorized."

Pursuant to the above quoted section the grantee presented an agreement dated January 12, 1912. This agreement has been approved as to form by the Corporation Counsel and returned to this office with a communication dated January 20, 1912.

The Departments interested likewise the grantee have been furnished with certified copies of the approved resolution.

As the grant is now effective it is recommended that the papers be filed.

Respectfully, HARRY P. NICHOLS, Engineer, Chief of Bureau.

Which was ordered filed.

ANNUAL REPORT, BUREAU OF FRANCHISES, FOR THE YEAR 1911.

The Secretary presented the following:

Bureau of Franchises, January 24, 1912.

Hon. W. J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment:*

Sir—I beg to submit herewith the Annual Report of the Bureau of Franchises for the year 1911, showing the work performed during this period.

Accompanying the report are six schedules which show in detail all applications relating to franchises, revocable privileges, rapid transit railways and miscellaneous

matters which were undisposed of on January 1, 1911, or made during the year, and the disposition or present status thereof.

It was also thought well to have tables prepared showing in detail all matters relating to franchises which have been passed upon by the Board since the organization of the Bureau in 1905. These tables will no doubt be of convenience to other City departments and those interested in franchise matters.

It has been customary heretofore to have the Annual Report printed as part of the Chief Engineer's Report, but, on account of the re-designation of the office as a separate bureau, it will not be included in such report this year. I would recommend, therefore, that the Bureau be authorized to have three hundred copies of the report and accompanying schedules and tables, with the necessary index and title page, printed and bound in boards, for circulation among the various City departments and others interested in franchise matters.

I am submitting a form of resolution authorizing the printing and binding as recommended, should the Board see fit to have such work done. Respectfully,

HARRY P. NICHOLS, Engineer, Chief of Bureau.

The following was offered:

Resolved, That the Chief of the Bureau of Franchises be and he hereby is authorized to have printed, through the City Record, three hundred (300) copies of the Annual Report of the Bureau for the year 1911, together with the schedules and tables accompanying the same and the necessary index and title page, and to have such copies bound in boards.

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

OCEAN ELECTRIC RAILWAY COMPANY.

In the matter of the application of the Ocean Electric Railway Company to the Public Service Commission for the First District for its approval to the construction and operation of a street surface railway through the private property known as Belle Harbor and private property of the Neponsit Realty Company in the Fifth Ward, Borough of Queens.

At the meeting of October 26, 1911, a communication was received from the Public Service Commission transmitting copy of an order adopted by said Commission fixing a date for hearing to determine whether the final order of the Commission in denying the application of the Company should be reversed or modified.

A report was also received from the Bureau of Franchises recommending the Corporation Counsel be requested to oppose the application on behalf of the City, as construction of the railroad in the manner proposed would be contrary to the intent of the Charter, would probably permit its maintenance in perpetuity and would be against public policy. A resolution to this effect was then adopted.

The Secretary presented the following:

Bureau of Franchises, January 27, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—In October, 1911, the Public Service Commission for the First District notified the Board that an application had been received from the Ocean Electric Railway Company for a re-hearing on the matter of a petition which had been previously denied, for permission and approval of the Commission for the construction and operation of an extension of said Company's street surface railway in the Borough of Queens, pursuant to section 53 of the Public Service Commissions Law.

At the meeting of the Board on October 26th, I presented a report showing that the re-opening of this matter and a decision in any way other than that formerly rendered by the Public Service Commission would be detrimental to the interests of the City, in that it would tend to set at naught the limited franchise provisions of the Charter. The points in the case were clearly set forth in the report and the Board adopted a resolution directing the Corporation Counsel to represent the City at the hearing on November 8, 1911, and to oppose said petition upon the grounds set forth in the report. Hearings were held by the Public Service Commission, the City being represented by the Corporation Counsel.

I immediately took occasion to call the attention of the Chief Engineer to the matter and suggested to him the advisability of immediately securing the laying out and acquisition of the street upon which it was proposed to build this railway, and he thereupon took the matter up with the President of the Borough of Queens, and the map for the laying out of the street was prepared.

This map was submitted to the Board at its meeting of January 25, 1912, together with a report from the Chief Engineer, calling attention to the advisability of taking immediate action upon the map, and thereupon a resolution was adopted fixing Thursday, March 7, as such date, after which it will be possible to institute proceedings for the acquisition of the street. In view of the fact that this matter is still pending before the Public Service Commission, a second resolution was introduced and adopted, requesting the Public Service Commission

> "to defer action upon the application of the Ocean Electric Railway Company * * * until the Board shall have had an opportunity to adopt the said map and to acquire title to the lands lying within the lines of the said streets."

I am informed that upon receipt of such resolution by the Public Service Commission, action upon the petition was deferred until Friday, April 5. This gives the City ample opportunity to acquire title if the matter shall proceed in regular order. It is understood that should the City acquire title, the Company will be obliged to petition the Board of Estimate and Apportionment for a franchise.

It is evident that the Company is extremely anxious to build this line so that it may be in readiness for next summer's traffic, for, I am informed, it has already anticipated favorable action by the Public Service Commission by laying some of the tracks upon the route applied for. Whether or not such tracks have been laid by the Ocean Electric Railway Company or the present owners of the property, to wit, the Neponsit Realty Company, I suppose is immaterial.

In any event, that there may be no delay chargeable to the City I would suggest that the Board of Estimate and Apportionment adopt a resolution reciting that it is the intention of the City to take title to the property along the proposed route of the Ocean Railway Company for street purposes, and upon such title being vested in the City, it will be necessary for the Company to obtain a franchise, and suggesting that if the Company desires to expedite the matter it immediately present its petition to the Board.

A form of resolution is herewith appended. Respectfully,

HARRY P. NICHOLS, Engineer, Chief of Bureau.

The following was offered:

Whereas, It has come to the attention of the Board of Estimate and Apportionment that the Ocean Electric Railway Company is desirous of extending its railway upon certain streets and avenues to which the City has not yet acquired title, and

Whereas, It is the intention of this Board, as set forth in its resolution adopted January 25, 1912 (Public Improvement Minutes), to place such streets upon the City map, and as soon as that is accomplished to acquire title to the same, and

Whereas, It will be necessary for the Ocean Electric Railway Company to secure a franchise from the City of New York for such extension, and

Whereas, The procedure necessary under the law will consume some time; now, therefore, be it

Resolved, That the Ocean Electric Railway Company be notified that if it desires to facilitate this matter, it should proceed forthwith to file with the Board of Estimate and Apportionment the petition for a franchise as an extension to its existing railway, as granted by ordinance of the Board of Aldermen of the City of New York, approved by the Mayor August 26, 1903, the said petition to cover a route beginning at the intersection of Eastern Boulevard and Washington Avenue and extending thence westerly along Washington Avenue to Lincoln Avenue; thence northerly in Lincoln Avenue to Newport Avenue; thence westerly in Newport Aveue to Adirondack Avenue; thence southerly in Adirondack Avenue to Neponsit Avenue and thence westerly in Neponsit Avenue to the westerly extremity thereof, all in the Borough of Queens, and be it further

Resolved, That the Secretary be directed to forward a copy of this resolution to the Ocean Electric Railway Company and said Company be directed to advise this Board on or before February 9, 1912, as to its intentions with regard to complying with this direction or file said petition by said date.

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

HEERMANCE STORAGE AND REFRIGERATING COMPANY.

A communication was received from the attorney, Heermance Storage and Refrigerating Company, transmitting report and financial statement to the Board and copy of the report submitted to the Comptroller.

These reports are submitted in accordance with the provisions of Section 2, Eighteenth and Nineteenth of the contract dated January 5, 1911, granting said Company a franchise to install, maintain and use conduits with the necessary branches and extensions therefrom leading into private property for the purpose of supplying refrigeration within the district bounded by Washington and Hudson Streets, Warren, Greenwich, Chambers and Duane Streets, Borough of Manhattan.

The report was referred to the Bureau of Franchises.

AMERICAN DRUGGISTS' SYNDICATE.

In the matter of the application of the American Druggests' Syndicate for permission to install, maintain and use a three-inch pipe under and across Van Alst Avenue, Long Island City, Borough of Queens, at a point about 70 feet south of 3rd Street, connecting property owned by the applicant on the easterly side of said street with property leased by the applicant on the westerly side of said street and to contain wires for the transmission of electric current for light and power.

This application was presented to the Board at the meeting of January 18, 1912, and was referred to the Bureau of Franchises.

The Secretary presented the following:

In the Matter of the Application of the American Druggists' Syndicate.

To the Board of Estimate and Apportionment, Division of Franchises:

Your petitioner respectfully shows:

1. That your petitioner is a corporation duly organized and existing under and by virtue of the laws of the State of New York, with its office in the Borough of Queens, County of Queens, City and State of New York.

2. That your petitioner is the owner in fee of the premises located on Van Alst Avenue, between Borden Avenue and Third Street, in the said Borough, County, City and State, as appears on the annexed Map, marked Exhibit A, being about 179-98/100 feet on Van Alst Avenue, 75 feet on Third Street and 75 feet on Borden Avenue.

3. That your petitioner is the lessee of the building on the West side of Van Alst Avenue at the North West corner of said Van Alst Avenue and Third Street, and which is delineated in the said Exhibit A, the said premises extending about 100 feet along Van Alst Avenue.

4. That your petitioner is desirous of installing a three-inch pipe line about three feet below the surface of said Van Alst Avenue, as marked in said Exhibit A, for the purpose of transmitting electric current from the building owned by your petitioner on the East side of Van Alst Avenue, as above described, to the building on the North West corner of Van Alst Avenue, as appears in said Exhibit A.

5. Your petitioner further shows that your petitioner uses the two buildings before mentioned for the manufacture and sale of your petitioner's products and that the electricity to be supplied by means of the said pipe line is for your petitioner's sole use.

Wherefore your petitioner prays that you petitioner be permitted to construct the before-mentioned pipe line in accordanee with the plan herein submitted and marked Exhibit A.

AMERICAN DRUGGISTS' SYNDICATE,
CHARLES H. GODDARD, Secretary.

Dated, January 2d, 1912.

City and State of New York, County of Queens, ss.:

Charles H. Goddard, being duly sworn, deposes and says, that he is the Secretary of the, before-mentioned corporation, the petitioner herein. That he has read the foregoing petition and knows the contents thereof; that the same are true to the knowledge of this deponent, except as to the matters therein stated to be alleged on information and belief and that as to those matters he believes them to be true. That the reason this verification is not made by the petitioner is because the petitioner is a corporation.

CHARLES H. GODDARD.

Sworn to before me this 3rd day of January, 1912.

K. M. FERRELL, Notary Public, Kings Co. (154). Certificate filed in Queens County.

Bureau of Franchises, January 27, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—The American Druggists' Syndicate, a domestic corporation, has presented a petition dated January 2, 1912, to the Board of Estimate and Apportionment, for permission to install, maintain and use a three-inch iron pipe under and across VanAlst Avenue in Long Island City, Borough of Queens, at a point about seventy feet south of the southerly line of Third Street connecting premises occupied by the petitioner on opposite sides of VanAlst Avenue, for the purpose of furnishing electric current from its plant situated in the property on the easterly side of said avenue to the building on the westerly side occupied by the petitioner as a factory.

At the meeting of the Board held January 18, 1912, the petition was referred to this Bureau for investigation and report.

I caused an examination to be made and it was found that the Company heretofore purchased electric current from the New York and Queens County Electric Light and Power Company. It has lately taken a lease of the Blanchard Building abutting on the rear of its property on the easterly side of VanAlst Avenue, and the said Blanchard Building contains an electric plant capable of furnishing all the current necessary in the petitioner's business. The current to be furnished to the building on the westerly side of VanAlst Avenue by means of the proposed pipe is to be supplied by this plant.

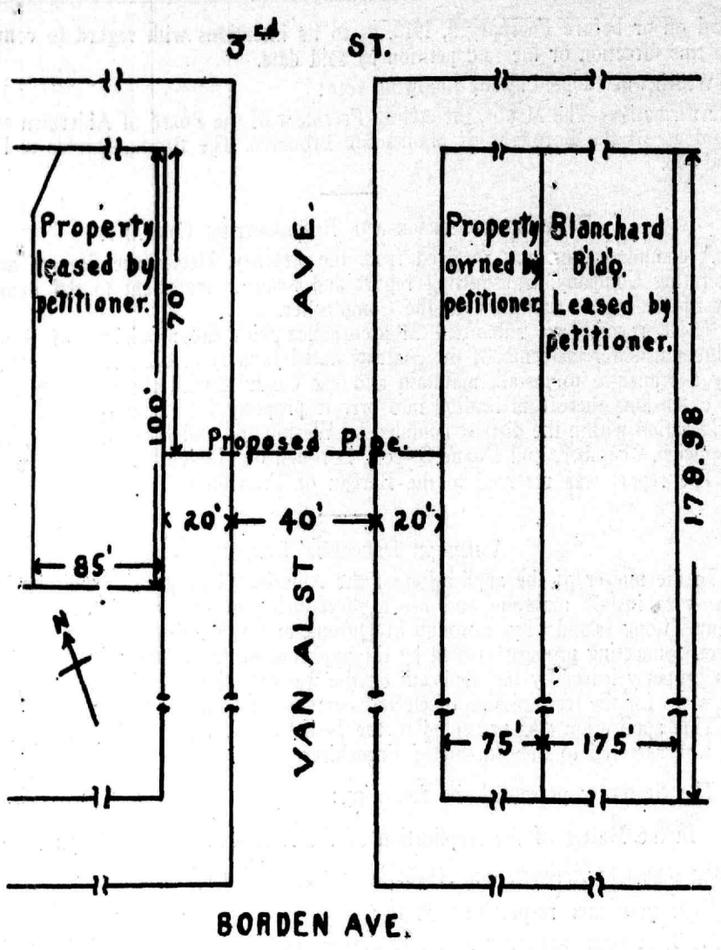
Copies of the petition and accompanying plan were forwarded to the President of the Borough of Queens and the Commissioner of Water Supply, Gas and Electricity with a request that examinations be made by the various Bureaux of their departments having jurisdiction with a view to ascertaining if there are any objections to the project or any particular conditions necessary to be inserted in the form of consent used by the Board for similar privileges. In replies dated respectively January 26 and January 18, 1912, I have been advised that there are no objections to the proposed pipe and no particular conditions necessary to be incorporated in the customary form of consent.

As there are no objections to the project I can see no good reason why the requested permission should not be given if the Board sees fit to do so, and would suggest that consent be granted during the pleasure of the Board, but in no case to extend beyond a period of ten (10) years from the date of the approval of the consent by the Mayor and revocable on 60 days notice, and that it be made a condition of the consent that a security deposit in the sum of Five hundred dollars ($500) be required, said deposit to be in the form of either cash or securities to be approved by and deposited with the Comptroller for the faithful performance of the terms and conditions of the consent.

The length of the proposed pipe between the building lines of Van Alst Avenue is eighty feet. At the rate of charge heretofore fixed by the Board for private pipes in the City streets, viz: Two dollars per linear foot for pipes not over sixteen inches in diameter and less than one hundred feet in length the compensation for the privilege should be the sum of One Hundred and Sixty Dollars per annum. Such sum should be paid into the City Treasury in advance on November 1 of each year.

As the Borough President may not desire to permit the opening of the street during the winter season, it has been provided in the form of consent, herewith submitted for adoption, that the pipe shall be installed by May 1, 1912.

Respectfully, HARRY P. NICHOLS, Engineer, Chief of Bureau.



Plan of Proposed Pipe for American Druggists Syndicate.

BUREAU OF FRANCHISES.

The following was offered:

Whereas, The American Druggists' Syndicate has presented a petition, dated January 2, 1912, to the Board of Estimate and Apportionment, for its consent to the installation, maintenance and use of a three-inch iron pipe under and across Van Alst Avenue, at a point about seventy feet south of the southerly line of Third Street, in Long Island City, in the Borough of Queens, the said pipe to connect properties of the petitioner on opposite sides of said street and to be used to contain wires for the transmission of electric current between the said properties; now, therefore, be it

Resolved, That the consent of the Corporation of The City of New York be and the same is hereby given to the American Druggists' Syndicate, a domestic corporation and the owner of certain property on the easterly side of Van Alst Avenue between Third Street and Borden Avenue, and the lessee of certain property on the westerly side of Van Alst Avenue between Third Street and Borden Avenue in Long Island City, in the Borough of Queens, City of New York, to install, maintain and use a three-inch pipe under and across Van Alst Avenue at a point about seventy feet south of the southerly line of Third Street, connecting the said properties, the pipe to be used to contain wires for the transmission of electric current for lighting and power, for the sole and exclusive use of the petitioner, and for no other purpose, all as shown on the plan accompanying the application and entitled:

"Plan for electric conduit—showing location—to connect buildings of the "American Drug Syndicate," 1st Ward, Borough of Queens—City of New York, accompanying petition to the Board of Estimate & Apportionment—City of New York."

—Dated L. I. City, Bor. of Queens, January 2, 1912, and signed American Druggists' Syndicate, Charles H. Goddard, Secy., a copy of which is attached hereto and made a part hereof upon the following terms and conditions:

1. Said consent shall continue only during the pleasure of the Board of Estimate and Apportionment, and shall be revocable upon sixty (60) days' notice in writing to the grantee, but in no case shall it extend beyond a term of ten (10) years from the date of its approval by the Mayor, and thereupon all rights of the grantee in said street by virtue of this consent shall cease and determine.

2. The grantee shall pay into the Treasury of The City of New York, as compensation for the privilege hereby granted, the sum of One Hundred and Sixty Dollars ($160) per annum.

Such payments shall be made in advance on November 1 of each year, provided, however, that the first payment shall be made within sixty (60) days of the approval of this consent by the Mayor, and shall be only such proportion of the annual charge as the time between the approval of this consent by the Mayor and November 1 following bears to a whole year.

Such payments shall not be considered in any manner in the nature of a tax, but shall be in addition to any and all taxes of whatsoever kind or description now or hereafter required to be paid under any ordinance of The City of New York, or by any law of the State of New York.

3. Upon the removal of the grantee from either of the premises to be connected by the structure, or upon the revocation or termination by limitation of this consent, the grantee shall cause the structure hereby authorized to be removed and all of said street affected by this permission to be restored to its proper and original condition, if required so to do by The City of New York or its duly authorized representatives, and the entire cost of such work shall be borne by the said grantee. If the structure hereby authorized shall not be required to be removed, it is agreed that it shall become the property of The City of New York.

4. This consent is for the exclusive use of the grantee and shall not be assigned either in whole or in part, or leased or sublet in any manner, nor shall title thereto, or right, interest or property therein pass to or vest in any other person, firm or corporation whatsoever, either by the acts of the grantee or by operation of law, without the consent in writing of The City of New York, acting by the Board of Estimate and Apportionment.

5. The grantee shall pay the entire cost of all work, labor and material in connection with the structure hereby authorized, and particularly—

(*a*) Its construction, maintenance and removal.

(*b*) The protection of all structures which shall in any way be disturbed by its construction or removal.

(*c*) All changes in sewers or other subsurface structures necessitated by its construction or removal, including the laying or relaying of pipes, conduits, sewers or other structures.

(*d*) The replacing or restoring of the pavement in said street which may be disturbed during its construction or removal.

(*e*) Each and every item of the increased cost of the installation of any future structures or repairs or alterations to any existing or future structures caused by its presence in the street.

(*f*) The inspection of all work during its construction or removal as herein provided, which may be required by the President of the Borough and the Commissioner of Water Supply, Gas and Electricity.

6. Before the construction or removal shall be begun, the grantee shall obtain permits to do the work from the President of the Borough and from the Commissioner of Water Supply, Gas and Electricity. The grantee shall perform all the duties which may be imposed by those officials as conditions of such permits, provided such conditions are not inconsistent with the provisions of this consent. The grantee shall submit to those officials working plans which shall include and show in detail the method of construction of the structure hereby authorized and the mode of protection or changes in all structures required by the construction or removal of the same.

Upon the completion of the work, the grantee shall furnish to the President of the Borough a plan of such character as he may direct, showing accurately and distinctly the location, size and type of construction and complete dimensions of the structure erected or installed under this consent; also the location and dimensions of all substructures, encountered during the progress of the work. The depth below the street surface of the new structure and of the substructures encountered must be shown; also their location with reference to the nearest curb line and the nearest curb-line intersection.

7. The grantee shall allow to The City of New York a right of way through, under or above any part of the structure hereby authorized for any and all structures which are now or may be hereafter placed by The City of New York in said street.

If at any time it shall become necessary to replace or alter any structure in said street, the City shall have the right to break through or remove all or any portion of the structure hereby authorized and the grantee shall pay to the City the expense incurred by such removal.

8. The structure hereby authorized and any fixtures laid therein shall be constructed, maintained and operated subject to the supervision and control of the proper authorities of The City of New York. It shall be open at all times to the inspection of all the authorities who have jurisdiction in such matters under the Charter of The City of New York.

9. This consent is subject to whatever right, title or interest the owners of abutting property or others may have in and to said street.

10. Said grantee shall be liable for all damages to persons or property, including the street and structures therein and thereunder, by reason of the construction and operation or maintenance of the structure hereby authorized, and it is a condition of this consent that The City of New York assumes no liability to either person or property on account of this consent.

11. This consent is granted on the further and express condition that all laws or ordinances now in force, or which may hereafter be adopted, shall be strictly complied with.

12. This consent is upon the express condition that within sixty (60) days after its approval by the Mayor, and before anything is done in exercise of the rights conferred hereby, the grantee shall deposit with the Comptroller of The City of New York the sum of Five Hundred Dollars ($500), either in money or in securities to be approved by him, which fund shall be security for the performance of the terms and conditions of this consent, especially those which relate to the payment of the annual charge, the repairs of the street pavement and the removal of the structure hereby authorized. In case of default in the performance by said grantee of any of such terms and conditions, The City of New York shall have the right to cause the work to be done and the materials to be furnished for making the necessary changes or repairs, after ten (10) days' notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings, or in case of default in the payment of the annual charge, shall collect the same, with interest, from such fund after ten (10) days' notice in writing to the said grantee.

In case of any drafts so made upon the security fund the said grantee shall, upon thirty (30) days' notice in writing, pay to the Comptroller of The City of New York a sum of money sufficient to restore the said fund to the original amount of Five Hundred Dollars ($500), and in default of the payment thereof, the consent hereby given may be cancelled and annulled, at the option of the Board of Estimate and Apportionment of The City of New York, acting on behalf of said City. No action or proceeding or rights under the provisions of this section shall affect any other legal rights, remedies or causes of action belonging to The City of New York.

13. Said grantee shall give notice, in writing, to the President of the Borough and to the Commissioner of Water Supply, Gas and Electricity of its intention to begin the work hereby authorized at least forty-eight hours before such work commences. The grantee shall also give to the Board of Estimate and Apportionment notice, in writing, of the date on which the work is commenced and also the date on which the same is completed, not later than ten (10) days after such dates.

14. Said grantee shall commence the construction of the structure hereby authorized and complete the same on or before May 1, 1912, otherwise this consent shall be forfeited forthwith, and without any proceedings, either at law or otherwise, for that purpose; provided, however, that such time may be extended by the Board of Estimate and Apportionment.

15. This consent shall be null and void unless said grantee shall duly execute an instrument in writing, wherein said grantee shall accept this consent and shall promise, covenant and agree to conform to, abide by and perform all the terms, conditions and requirements in this consent fixed and contained and file said instrument with the Board of Estimate and Apportionment of The City of New York within thirty (30) days after the approval of this consent by the Mayor; provided, however, that such time may be extended by the Board of Estimate and Apportionment.

And said grantee shall promise, covenant and agree in said instrument to hold The City of New York harmless from all damages to persons or property which may result from the construction, use, maintenance or operation of the structure hereby authorized.

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

NASSAU ELECTRIC RAILROAD COMPANY.

A petition was received from the Nassau Electric Railroad Company for a franchise to construct, maintain and operate a double track street surface railway from the intersection of Atlantic and Fifth Avenues, Borough of Brooklyn, upon and along the surface of Atlantic Avenue to a point at or near the intersection of Shepard and Atlantic Avenues.

Which was referred to the Bureau of Franchises.

EAGLE PENCIL COMPANY.

In the matter of the consent granted to the Eagle Pencil Company to install, maintain and use a 12-inch pipe under and across East 13th Street, East of Avenue C, Borough of Manhattan, to contain smaller pipes for the conveyance of steam, water and compressed air between the premises 703-731 and 710-714 East 13th Street.

This consent was granted by resolution adopted by this Board November 23, 1911, approved by the Mayor December 1, 1911.

A communication was received from the Contractor for the Company, stating the work of installation of the pipe was commenced January 3 and completed January 19, 1912.

The notice is given in conformity with Section 13 of the consent.

The communication was ordered filed.

NEW YORK, WESTCHESTER & BOSTON RAILWAY COMPANY.

In the matter of the franchise granted the New York, Westchester & Boston Railway Company to construct, maintain and operate a railway upon and across various streets and avenues in the Borough of The Bronx.

A communication was received from Messrs. A. Buchwerz & Zukercandle, stating they own premises 1150 Wyatt Street, Borough of The Bronx, complaining against the noise and danger of the construction work and requesting the matter be investigated.

The communication was referred to the Bureau of Franchises and also to the President of the Borough of The Bronx.

MESSENGER, BURGLAR ALARM & TICKER SERVICE COMPANIES.

In the matter of the use and occupation of the streets by and the operation of certain companies without authority.

At the meeting of January 18, 1912, an opinion was received from the Corporation Counsel, stating the Holmes Electric Protective Company, the American District Telegraph Company (of New York), Stock Quotation Telegraph Company and the Fred'k Pearce Co., were without franchise rights in the streets, and by resolution duly adopted the Companies were directed to submit petitions by properly incorporated Companies on or before February 16, 1912, for the right to use the streets if they

desired to continue so to do and advise the Board on or before January 27, 1912 as to their intentions with regard to complying with this direction.

The Secretary presented the following:

Law Department, The Western Union Telegraph Company, 195 Broadway, New York, January 27, 1912.

Mr. JOSEPH HAAG, *Secretary*, 277 Broadway, New York:

Dear Sir—I am in receipt of your communication in behalf of the Board of Estimate and Apportionment respecting the American District Telegraph Company of New York making application for franchise to your Board. Continued absence from the City has prevented my earlier attention to your communication, which has been referred by the Company to me.

I am directed to say that it is the intention of the American District Telegraph Company to make application to your Board for such franchises as it may be advised it is required to procure. Yours very truly,

RUSH TAGGART, General Counsel.

Executive Offices, Holmes Protective Company, New York, January 26, 1912.

Board of Estimate and Apportionment, City of New York, 277 Broadway, New York:

Gentlemen—We were greatly surprised to receive your communication of January 18, enclosing a resolution of your Honorable Board adverse to the rights and franchises of this Company to use the streets of the City. This is the first time since this Company was organized in January, 1883, 29 years ago, that its franchise to use the streets of the City has been called in question and until its receipt we had not even heard of the opinion of the Corporation Counsel upon which your resolution is based.

Your communication was immediately referred to our counsel, who will answer you at the earliest possible minute, but in view of the serious importance of the questions thus raised and the very short time limit fixed in your resolution they have requested us to ask you to extend the time for thirty days or until February 27, within which this Company may advise you with respect to the aforesaid resolution. Time is desired not only to give the matter due consideration, but to prepare such statement as the ocassion requires.

Thanking you in advance, very truly yours,

HOLMES ELECTRIC PROTECTIVE CO.
By E. T. HOLMES, President.

George H. Fearons, Counselor at Law, New York, January 29, 1912.

The Honorable the Board of Estimate and Apportionment, New York City:

Dear Sirs—The communication of your Secretary, Mr. Joseph Haag, under date of January 18, addressed Stock Quotation Telegraph Company, was referred to me by said company on the 22d instant, for attention.

I beg to apologize for not acknowledging the same more promptly, but my associate in the matter has been absent before the Circuit Court of Appeals at Boston all of last week, and is still absent today. I am expecting his return daily in order for us to determine the matter so that we could send a definite reply, and I am even at this moment constrained to beg the indulgence of the Board, and ask for an extension of one week, during which time we shall make full reply. Thanking you, I am,

Very truly yours, GEO. H. FEARONS, Counsel.

Fred'k Pearce Co., 18-20 Rose Street, New York, January 27, 1912.

Board of Estimate and Apportionment, City of New York, No. 277 Broadway, New York City:

Gentlemen—Replying to your letter of January 26, we beg to explain that the business done by us to which your resolution of Jan. 18 refers is very small in amount, that we are in no way seeking to extend or increase it and that we are without knowledge whether we are a properly incorporated company to continue such business under a franchise should we desire to apply for one and that we have under consideration the advisability of ending the matter entirely.

Under these circumstances we respectfully request that we be allowed a period of ten (10) days within which we will comply with the requirements of the resolution. Respectfully, FRED'K PEARCE CO.,
George H. Tamlyn, Secretary.

Bureau of Franchises, January 29, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment:*

Sir—By resolution adopted by the Board of Estimate and Apportionment at its meeting held January 18, 1912, certain wire using companies therein mentioned were called upon to apply for franchises to validate their use of the streets of the City, and to advise whether they would comply with the said resolution on or before January 27. The Companies referred to were the

Holmes Electric Protective Company;
American District Telegraph Company (of New York)
Stock Quotation Telegraph Company, and
Fred'k Pearce Company.

In accordance with the direction of the resolution, all these Companies have communicated with the Board.

The Holmes Electric Protective Company in a communication dated January 26, calls attention to the fact that this is the first time since its organization, twenty-nine years ago, that its franchise to use the streets of the City has been called in question, and requests an extension of thirty days to allow of counsel giving the matter due consideration, and to prepare such statement as the occasion requires.

The American District Telegraph Company, by its General Counsel, Mr. Rush Taggart, in a communication dated January 27, advises that it is the intention of that Company to make application to the Board for such franchises as it may be advised it is required to procure.

The Stock Quotation Telegraph Company, by Mr. George H. Ferrons, as Counsel, in a communication dated January 29, requests an extension of time of one week to make full reply, Mr. Ferrons stating that his associate in the matter has been absent all of last week, and was still absent when this communication was sent.

The Fred'k Pearce Company addressed the Board on January 27, and states that it is considering the advisability of ending its use of the streets entirely, and requests an extension of time of ten days within which to comply with the resolution.

The extension of time asked for by the Holmes, to wit, thirty days, will unnecessarily delay the consideration of all these matters which in their nature should be handled together, I would, therefore, recommend that the Holmes Electric Protective Company; the Stock Quotation Telegraph Company and the Fred'k Pearce Company, each be given an extension of time of ten days from January 27, that is, until Wednesday, February 7, to advise as to their intentions. This will leave sufficient time for the filing of formal petitions prior to February 16, as required in the original resolution.

A proposed resolution for this purpose is transmitted herewith. Respectfully,
HARRY P. NICHOLS, Engineer, Chief of Bureau.

The following was offered:

Whereas, This Board did at its meeting held January 18, 1912, call upon the Holmes Electric Protective Company;

American District Telegraph Company (of New York);
Stock Quotation Telegraph Company, and the
Fred'k Pearce Company,

—to submit petitions for franchises, and to notify this Board on or before January 27, whether they intended to comply with such requirement; and

Whereas, The Holmes Electric Protective Company; the Stock Quotation Telegraph Company and the Fred'k Pearce Company have requested an extension of time in which to advise as to their intentions regarding this resolution; now, therefore, be it

Resolved, That the said resolutions adopted by this Board on January 18, 1912, be and they are hereby amended so that the Holmes Electric Protective Company, the Stock Quotation Telegraph Company and the Fred'k Pearce Company shall have until Wednesday, February 7, 1912, to advise whether they will comply with the said resolution requiring them to present verified petitions for franchises on or before Friday, Febuary 16, 1912.

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

FINANCIAL MATTERS.

The following transfers of appropriations were made upon the recommendation of the Comptroller:

$13.75, within the appropriation made to the Department of Bridges for the year 1911.

Department of Bridges, City of New York, 13-21 Park Row, Manhattan, N. Y., January 16, 1912.

To the Honorable Board of Estimate and Apportionment of The City of New York, 280 Broadway, Manhattan:

Gentlemen—I have to request a transfer within the Budget appropriation for the Department of Bridges for the year 1911, as follows:

FROM

Bridges Over the Harlem River and in the Borough of Manhattan.

85 Apparatus, Machinery, Vehicles, Harness, etc., Including Care and Storage $13 75

To

Bridges Over the Harlem River and in the Borough of Manhattan.

86 Forage, Shoeing and Boarding Horses..... $13 75

This request is made for the purpose of paying a bill for veterinary service in above Division, which exceeded the approximated Budget allowance.

This transfer does not increase the Budget allowance made this Department for the year 1911. Respectfully, ARTHUR J. O'KEEFFE, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 23, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 16, 1912, the Commissioner of Bridges requested a transfer of $13.75 within the appropriations made to his department for 1911. In connection therewith I report as follows:

The proposed transfer is within the appropriation for Bridges over the Harlem River and in the Borough of Manhattan. The credit is to No. 86, Forage, Shoeing and Boarding Horses. The appropriation for the account was $2,600, and the expenditures were $2,613.75, leaving a deficit of $13.75.

The debit is from No. 85, Apparatus, Machinery, Vehicles, Harness, etc., including Care and Storage, in which there is an unencumbered balance of $274.85.

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the Department of Bridges for the year 1911, as follows:

FROM

Bridges over the Harlem River and in the Borough of Manhattan.

85 Apparatus, machinery, vehicles, harness, etc., including care and storage $13 75

To

Bridges over the Harlem River and in the Borough of Manhattan.

86 Forage, shoeing and boarding horses..... $13 75

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

$3,725.25, within the appropriation made to the Law Department for the year 1911.

Law Department, Office of the Corporation Counsel, New York, January 16, 1912.

To the Honorable the Board of Estimate and Apportionment of The City of New York:

Sirs—I request that the sum of $3,725.25 be transferred from the appropriation to this Department for "Disbursements in Proceedings to Review Assessments for Taxation, Including Deficiencies, 1911," to the appropriation to this Department for "Expenses in Actions and Proceedings Brought by or Against Public Utility Corporation, Including Deficiencies, 1911."

In the first named appropriation there is an unexpended balance of $3,725.25, which will not be needed to meet outstanding obligations. The present available balance in the latter named appropriation is $43.20. There are three unpaid bills outstanding, as follows:

William Harmon Black, legal services	$2,650 00
M. D. Barnes, services as Stenographer	600 00
A. R. Cooper, stenographic minutes	518 45
Total	$3,768 45

The transfer requested will provide the exact amount necessary to pay these three bills. Yours respectfully,

ARCHIBALD R. WATSON, Corporation Counsel.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 29, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 16, 1912, the Corporation Counsel requested the transfer of $3,725.25 within appropriation for the Law Department for the year 1911. In connection therewith I report as follows:

The transfer is from No. 67, Disbursements in Proceedings to Review Assessments for Taxation Including Deficiencies, to No. 68, Expenses in Action and Proceedings brought by or against Public Utility Corporations, including Deficiencies.

There is an unencumbered balance of $43.20 in No. 68, against three unpaid bills as follows:

William Harmon Black, legal services	$2,650 00
M. D. Barnes, services as Stenographer	600 00
A. R. Cooper, stenographic minutes	518 45
	$3,768 45

The transfer is to cover the deficit and close the account. There is an unencumbered balance in No. 67 to permit of the debit transfer.

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the Law Department for the year 1911, as follows:

FROM

67 Disbursements in proceedings to review assessments for taxation, including deficiencies..... $3,725 25

To

68 Expenses in actions and proceedings brought by or against public utility corporations, including deficiencies..... $3,725 25

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

$218.92, within the appropriation made to the District Attorney of Kings County, for the year 1911.

District Attorney's Office, Kings County, Brooklyn; New York City, January 18, 1912.

To the Board of Estimate and Apportionment, Broadway and Chambers street, New York City:

Gentlemen—I hereby request that a resolution be passed authorizing the transfer of funds amounting to $218.92 from Account No. 2100, General Supplies, District Attorney of Kings County, 1911, to Account No. 2101, Contingencies, District Attorney of Kings County, 1911, in order that the following vouchers may be liquidated:

Dudley J. Fagan	$111 00
Chester P. Carey	4 50
Louis A. Zimmerman	57 60
Louis A. Zimmerman	13 72
Louis A. Zimmerman	5 40
William P. Cherry	26 70
	$218 92

Respectfully yours,
JAMES A. CROPSEY, District Attorney of Kings County.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 18, 1912, the District Attorney of Kings County requested the transfer of $218.92 within appropriation for his office for the year 1912. In connection therewith I report as follows:

The transfer is from No. 2100, General Supplies, to No. 2101, Contingencies, to meet six bills amounting to $218.92, for transcribing testimony. There is a balance of $26.34 in 2101, but it is stated that it will be needed to meet other small bills. There is an unencumbered balance in No. 2100 to permit of the debit transfer.

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the offices of the District Attorney, Kings County, for the year 1911, as follows:

FROM

2100 General supplies	$218 92

To

2101 Contingencies	$218 92

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

$380 within appropriations made to the Supreme Court, Kings County, for the year 1912.

Supreme Court of the State of New York, Justices' Chambers, Brooklyn, N. Y., January 22, 1912.

Hon. JOSEPH HAAG, *Secretary, Board of Estimate and Apportionment,* New York City:

Dear Sir—It is requested that the sum of three hundred and eighty ($380) dollars, an unexpended balance remaining in the account of the Supreme Court, Kings County, entitled No. 2064, Telephone Service, 1911, be transferred to the account of the Supreme Court, Kings County, entitled No. 2062, General Supplies, 1911.

This transfer is desired to provide for the payment of several outstanding bills which are properly to be charged to the General Supplies account.

Respectfully, J. B. McGEE, General Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, February 1, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 22, 1912, the General Clerk of the Supreme Court, Second Department, requested the transfer of $380 within appropriations to the court for the year 1911. In connection therewith I report as follows:

The transfer is from No. 2064, Telephone Service, to No. 2062, General Supplies, to provide for the payment of several outstanding bills in excess of the appropriation of $1,500. There is an unencumbered balance in No. 2064 to permit of the debit transfer.

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the Supreme Court, Second Department, for the year 1911, as follows:

FROM

2064 Telephone Service	$380 00

To

2062 General Supplies	$380 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented a communication from the Secretary to the Mayor requesting the establishment of the following grades of positions in the office of the Mayor;

	Per Annum.
Executive Clerk	$1,750 00
Clerk	2,500 00

—also recommending the modification of the salary schedule for the Mayor's office, supporting the appropriation made in the Budget for the year 1912, to provide for said additional grades of positions.

That part of the request containing the request for the establishment of grades of positions was referred to the Committee on Salaries and Grades, consisting of the Comptroller and the President of the Board of Aldermen, and the part relative to the modification of the schedules was referred to the Comptroller.

The Secretary presented communications relative to the establishment of new positions, additional grades of positions and retirements (pursuant to chapter 669 of the Laws of 1911) as follows:

From the President of The Bronx requesting the establishment of the position of Typewriting Copyist and Dictaphone Operator, at $900 per annum;

From the Commissioner of Water Supply, Gas and Electricity withdrawing communication presented to the Board at meeting held November 2, 1911, which was referred to the Committee on Salaries and Grades, relative to the establishment of the position of Librarian in the Department of Water Supply, Gas and Electricity, at $100 per month, for a temporary period;

From the Chief City Magistrate, First Division, requesting the establishment of the following grades of positions, for one incumbent, respectively:

	Per Annum.
Assistant to Chief Clerk, Office of Chief City Magistrate	$2,400 00
Clerk	1,500 00
Custodian	1,000 00
Typewriting Copyist	850 00
Female Probation Officer, Night Court	1,200 00

From the Chief City Magistrate requesting the establishment of the following grades of positions, made necessary by the opening of the proposed district court on the upper west side of Manhattan:

	Per Annum.
1 Court Clerk	$2,500 00
3 Assistant Clerks, each	2,000 00
1 Stenographer	2,000 00
1 Interpreter	1,500 00
7 Court Attendants, each	1,200 00
1 Probation Officer, male	1,200 00
1 Probation Officer, female	900 00

From the Secretary of the Board of Education transmitting certified copies of four (4) resolutions adopted by said Board relative to the—

1. Establishment of the grade of position of Clerk, at $3,500 per annum, for one incumbent.
2. Establishment of the grades of positions of Inspectors of Heating and Ventilating, etc., in the Bureau of School Buildings.
3. Establishment of the grades of positions, Inspectors of Masonry and Carpentry, etc., in the Bureau of School Buildings.
4. Fixing the compensation of Janitors of various school buildings;

From the Board of City Magistrates, First Division, relative to the necessity for the establishment of additional positions, including that of two additional City Magistrates, in pursuance of chapter 659 of the Laws of 1910;

From the Secretary of the Board of Ambulance Service requesting the establishment of the grade of position of Examiner, at $2,100 per annum, for one incumbent;

From the Secretary of the Public Recreation Commission, requesting that the title of the position of Stenographer, at $1,200 per annum, be changed to Assistant Secretary, at the same rate;

From the Secretary of the Board of Education, transmitting certified copies of two (2) resolutions relative to the retirement, pursuant to chapter 669 of the Laws of 1911, of John J. Curtin, Heating and Ventilating Inspector in the Bureau of Buildings, and Charles K. Hyde, Inspector in the Bureau of School Buildings.

Which were referred to the Committee on Salaries and Grades, consisting of the Comptroller and the President of the Board of Aldermen.

The Secretary presented a communication from the Comptroller relative to the adoption by this Board of a definite policy in relation to the future disposition of claims under section 246 of the Charter.

Which was laid over one week.

(On December 7, and again on December 14, 1911, the above matter was laid over for one week, and on December 21, 1911, was laid over to January 4, 1912, and on said date was laid over to January 18, and on January 25, 1912, was again laid over one week).

The Secretary presented a communication from the Public Service Commission for the First District requesting the Board to consent to the proposed contract between The City of New York and the Degnon Contracting Company for the construction of section No. 2, Route 5 of the Lexington Avenue Subway, extending under Broadway from a point about 75 feet south of the centre line of Park place to a point about 90 feet north of the center line of Walker street, Manhattan, and to authorize the issue of $2,355,828.50 corporate stock to provide means for the execution of said contract, together with a report of the Comptroller recommending the approval of said request:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau street, New York, January 24, 1912.

To the Board of Estimate and Apportionment of The City of New York:

Sirs—The Public Service Commission for the First District herewith transmits to you for your consent as required by law, a proposed contract between The City of New York and Degnon Contracting Company, for the construction at the public expense of Section No. 2 of Route No. 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Broadway from a point about 75 feet south of the centre line of Park place to a point about 90 feet north of the centre line of Walker street, in the Borough of Manhattan.

The Public Service Commission for the First District further requests your honorable Board to consent to the said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit: the sum of two million three hundred and fifty-five thousand eight hundred and twenty-eight and 50/100 dollars ($2,355,828.50), and also to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of the said portion of such railroad.

And the Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make request for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing such contract, to wit: the sum of two million three hundred and fifty-five thousand eight hundred and twenty-eight and 50/100 dollars ($2,355,828.50).

In witness whereof, the Public Service Commission for the First District has caused its official seal to be hereto affxed and attested by its Secretary and these presents to be signed by its Chairman, this 24th day of January, 1912.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT,
W. R. WILLCOX, Chairman.

Attest: JAMES B. WALKER, Acting Secretary.

ROUTE No. 5, SECTION No. 2.

After a consideration of the bids on Section No. 2 of Route No. 5, the following resolution was duly moved and seconded:

Resolved, That this Commission hereby accepts the proposal of the Degnon Contracting Company dated January 22, 1912, for the construction of Section No. 2 of Route No. 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Broadway from a point about seventy-five feet south of the centre line of Park Place to a point about ninety feet north of the centre line of Walker Street, in the Borough of Manhattan, the aggregate of the unit prices in the proposal amounting to Two million three hundred and fifty-five thousand eight hundred and twenty-eight and 50/100 Dollars ($2,355,828.50).

Resolved, That the Chairman and the Secretary be and they hereby are authorized on behalf of the Commission to execute a contract in the form attached to the said proposal and to deliver the same if and when consented to by the Board of Estimate and Apportionment and upon compliance by the said Degnon Contracting Company with the requirements of the Invitation to Bidders attached to the said proposal.

Resolved, That the Chairman and the Secretary be and they hereby are authorized and directed to request the Board of Estimate and Apportionment to consent to the said contract and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit, the sum of Two million three hundred and fifty-five thousand eight hundred and twenty-eight and 50/100 Dollars ($2,355,828.50), and also to request the said Board of Estimate and Apportionment to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Board of Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of the said portion of such railroad and also to make request for the authorization of bonds for the full amount sufficient to pay the entire estimated expense of executing such contract, to wit, the sum of Two million three hundred and fifty-five thousand eight hundred and twenty-eight and 50/100 Dollars ($2,355,828.50).

Resolved, That the Secretary give notice to the said Degnon Contracting Company that its proposal has been accepted and the contract awarded to it by this Commission subject to its being consented to by the Board of Estimate and Apportionment as required by law.

Resolved, That it be referred to Counsel to the Commission to inquire into the sufficiency of the sureties and securities proposed to be given by the said Degnon Contracting Company and in behalf of the Commission to do any such act as may be necessary and incidental to the furnishing of proper securities.

Ayes—Commissioners Willcox, McCarroll, Maltbie, Eustis, Cram.

Nays—None.

Carried.

State of New York, County of New York, ss:

I, James B. Walker, duly designated by Travis H. Whitney, Secretary of the Public Service Commission for the First District, to perform the duties of such Secretary in his absence, and the said Travis H. Whitney being now absent, do hereby certify, as Acting Secretary of the Public Service Commission for the First District, and pursuant to said designation, that I have compared the above with the original adopted by said Commission on January 24, 1912, and that it is a correct transcript therefrom and of the whole of the original.

In testimony whereof, I have hereunto subscribed my hand and affixed the seal of the Commission this 24th day of January, 1912.

JAMES B. WALKER, Acting Secretary.

INVITATION TO CONTRACTORS

PART OF LEXINGTON AVENUE ROUTE.

The City of New York, acting by the Public Service Commission for the First District (hereinafter called "the Commission") invites proposals to construct Section No. 2 of the Lexington Avenue Rapid Transit Railroad.

The points within the City between which the said part is to run and the route or routes to be followed are briefly as follows:

SECTION No. 2. Beginning at a point under Broadway about seventy-five (75) feet south of the centre line of Park Place and extending thence northerly under Broadway to a point about ninety (90) feet north of the centre line of Walker Street; with a station at City Hall.

The general plan of construction calls for a subsurface railroad having four tracks. Turnouts, cross-overs, connections and sidings, etc., will be constructed, all of which are more particularly indicated on the contract drawings.

Bidders will not be required to do the station-finish work, nor to provide or lay tracks, ties or ballast.

The work of construction under the contract will include the construction of all necessary sewers and connections along the route of the railroad; also the necessary support, maintenance, readjustment and reconstruction of vaults adjacent to buildings, pipes, tubes, conduits, subways or other subsurface structures; the support and care, including underpinning where necessary, of all buildings, monuments, surface, subsurface and elevated railroads and other structures, etc., affected by or interfered with during the construction of the work; also the restoration of the sidewalks and the temporary paving and maintenance of roadways.

The method of construction will be by trench excavation (under cover, unless otherwise specified in the form of contract or permitted by the Commission).

Bidders must examine the form of contract and the specifications, maps and plans; must visit the location of the work and inform themselves of the present conditions along the line thereof and make their own estimates of the facilities and difficulties attending the execution of the proposed work.

A fuller description of the work to be done is set forth, and other requirements, provisions, details and specifications are stated, in the printed form of contract and in the contract drawings therein referred to. Printed copies of the form of contract, bond and contractor's proposal may be had on application at the office of the Commission, No. 154 Nassau Street, Borough of Manhattan, City of New York. The contract drawings may be inspected at the same office, and copies thereof may be purchased by prospective bidders by payment of five dollars ($5.00). The printed form of contract and the contract drawings are to be deemed a part of this invitation.

The Commission is informed by the Department of Docks and Ferries that docks and bulkheads along the East River may be available for dumping purposes. Information in regard thereto may be obtained by any intending bidder upon inquiry at the office of the Commission.

Partial payments to the Contractor will be made monthly as the work proceeds as provided in the form of contract.

The Contractor will be required to complete the work as soon as practicable and within a period of forty (40) months.

Sealed bids or proposals will be received at the office of the Commission at No. 154 Nassau Street, Borough of Manhattan, City of New York, until the 22d day of January, 1912, at twelve (12) o'clock noon, at which time, or at a later date to be fixed by the Commission, the proposals will be publicly opened.

Proposals must be in the form prescribed by the Commission, copies of which may be obtained at the office of the Commission.

A statement, based upon the estimate of the Engineer, of the quantities of the various classes of the work and of the nature and extent as near as practicable of the work required is to be found in the schedules forming a part of the form of Contractor's Proposal. The quantities given in such schedules are approximate only, being given as a basis for the uniform comparison of bids and no claim is to be made against the City on account of any excess or deficiency, absolute or relative, in the same, except as provided in the specifications and form of contract.

All proposals must, when submitted, be enclosed in a sealed envelope endorsed *"Proposal for Constructing Part of Rapid Transit Railroad—Route No. 5, Section No. 2,"* and must be delivered to the Commission or its Secretary; and in the presence of the person submitting the proposal, it will be deposited in a sealed box in which all proposals will be deposited. No proposal will be received or deposited unless accompanied by a separate certified check drawn upon a national or state bank or trust company having its principal office in the City of New York, satisfactory to the Commission and payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand ($15,000) dollars. Such check must not be enclosed in the envelope containing the proposal.

The Unit Prices must not be improperly balanced, and any bid which the Commission considers detrimental to the City's interests may be rejected.

No proposal, after it shall have been deposited with the Commission, will be allowed to be withdrawn for any reason whatever.

The award of the contract will be made by the Commission as soon as practicable after the opening of the proposals.

Bidders whose proposals are otherwise satisfactory, in case the sureties or securities named by them are not approved by the Commission, may substitute in their proposals the names of other sureties or securities approved by the Commission, but such substitution must be made within five days after notice of disapproval, unless such period is extended by the Commission.

A bidder whose proposal shall be accepted shall, in person or by duly authorized representative, attend at the said office of the Commission within ten days after the delivery of a notice by the Commission that his proposal is accepted and that the contract is consented to by the Board of Estimate and Apportionment, and such bidder shall then deliver a contract in the form referred to, duly executed and with its execution duly proved.

At the time of the delivery of the contract, the Contractor will be required to furnish security to the City by giving a bond for seventy-five thousand ($75,000) dollars. At the option of the successful bidder cash or approved securities may be deposited instead of giving a bond. If securities are deposited in place of a bond under this contract, they must be of the character of securities in which Savings Banks may invest their funds and must be approved by the Commission.

The Contractor's bond must be in the form annexed to the form of contract.

In addition and as further security fifteen (15%) per centum of the amounts certified from time to time to be due to the Contractor will be deducted until the amounts so deducted and retained shall equal the sum of Three Hundred Thousand Dollars ($300.000). Thereafter there shall be so deducted and retained for such purpose ten (10%) per centum of the amounts certified from time to time to be due to the Contractor.

In case of failure or neglect to execute and deliver the contract or to execute and deliver the required bond or to make the required deposit, such bidder will, at the option of the Commission, be deemed either to have made the contract or to have abandoned the contract. In the latter case, the Commission will give notice thereof to such defaulting bidder, and the Commission may thereupon proceed to make another contract with such, if any, of the original bidders, as, in the opinion of the Commission, it will be to the best interests of the City to contract with, or may by new advertisement invite further proposals. The defaulting bidder shall thereupon be liable to the City for all loss and damage by it sustained, including the excess, if any, of the amount it shall pay any other Contractor over the amount of the bid of such defaulting bidder.

If the Commission shall give notice to any bidder that his or its proposal is accepted and that the contract is consented to by the Board of Estimate and Apportionment, and if the bidder shall fail within ten days thereafter or within such further period, if any, as may be prescribed by the Commission, to execute and deliver the contract and to execute and deliver the bond with sureties, or to make the required deposit, then the Invitation to Contractors and proposal accepted as aforesaid shall be a contract binding the bidder to pay to the City the damage by it sustained by reason of such failure, and in such case the bidder shall, by the terms of the proposal, absolutely assign to the City the ownership of the check accompanying his or its proposal as a payment on account of such damages.

All such deposits made by bidders whose proposals shall not be accepted by the Commission will be returned to the person or persons making the same within five days after the contract shall be executed and delivered. The deposit of the successful bidder will be returned when the contract is executed and its provisions in respect of the bond or deposit are complied with.

The right to reject any and all bids is reserved.

New York, December 30th, 1911.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT,
By WILLIAM R. WILLCOX, Chairman.

TRAVIS H. WHITNEY, Secretary.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT.

CONTRACT FOR THE CONSTRUCTION OF A PART OF A RAPID TRANSIT RAILROAD, ROUTE No. 5, SECTION No. 2.

Approved as to form this 28th day of December, 1911.

JOHN L. O'BRIEN, Acting Corporation Counsel.

Certificate of Comptroller,

Under and in accordance with the provisions of section 45 of the Greater New York Charter, I hereby certify that funds are available for the entire within contract.

Dated, New York, the day of , 1912.

Comptroller.

RAPID TRANSIT RAILROAD.

CONTRACT.

Route No. 5, Section No. 2.

Agreement made this day of , 1912, between The City of New York, hereinafter called the City, acting by The Public Service Commission for the First District, hereinafter called the Commission, party of the first part, and Degnon Contracting Company, a corporation organized and existing under the laws of the State of New Jersey, hereinafter called the Contractor, party of the second part.

Whereas, The Commission in behalf of the City by due advertisement, pursuant to law, has invited contractors to submit to the Commission proposals for making this contract; and

Whereas, The Contractor has thereupon duly submitted to the Commission a proposal, which has been accepted; and

Whereas, The Board of Estimate and Apportionment of The City of New York has consented to this contract;

Now, therefore, in consideration of the mutual covenants and agreements hereinafter contained, and under the authority of chapter 4 of the laws of 1891, entitled, "An Act to provide for Rapid Transit Railways in Cities of over One Million Inhabitants." and of the various acts amending the same, the parties do hereby, the City for itself and its successors and the Contractor for* itself, its successors and assigns, agree each with the other as follows:

I.

GENERAL PROVISIONS AND DEFINITIONS.

Outline of Contract.

Article I. The Contractor agrees to construct the part hereinafter described of a Rapid Transit Railroad, with its appurtenances. The City agrees to pay to the Contractor the sums of money hereinafter mentioned at the times and in the manner and upon the terms and conditions hereinafter set forth.

Brief Description of Works.

Article II. The Railroad to be constructed under this contract forms a part of a certain route adopted by the Board of Rapid Transit Railroad Commissioners for The City of New York on May 12, 1905, and which as modified is known as the Lexington Avenue Route—or Route No. 5. The part to be constructed under this contract consists of

Section No. 2.

Section No. 2—Park Place to Walker Street.

Beginning at a point under Broadway about seventy-five (75) feet south of the centre line of Park Place and extending thence northerly under Broadway to a point about ninety (90) feet north of the centre line of Walker Street; with a station at City Hall.

The precise location of the tracks, and the dimensions and other characteristics of the Railroad are more fully stated in the specifications forming a part of this contract, and in the detailed drawings and plans hereinafter mentioned.

Statutes Incorporated Herein.

Article III. This contract is made pursuant to the Rapid Transit Act, which is to be deemed a part hereof as if it were incorporated herein.

Marginal Notes, etc.

Article IV. Titles, headings, running headlines and marginal notes are printed hereon merely for convenience, and shall not be deemed to be any part of this contract for any purpose whatever.

Definitions of Words.

Article V. The following words and expressions used in this contract shall, except where by the context it is clear that another meaning is intended, be construed as follows:

"City."

(1) The word "City" to mean The City of New York, and any other corporation or division of government to which the ownership, rights, powers and privileges of The City of New York under the Rapid Transit Act, shall hereafter come, belong or appertain.

"Commission."

(2) The word "Commission" to mean the Public Service Commission for the First District, and any other board, body, commission, official or officials, to which or to whom the powers now belonging to the said Commission in respect of the location, construction, equipment, maintenance and operation of Rapid Transit Railroads under the provisions of the Rapid Transit Act shall, by virtue of any act or acts, hereafter pass or be held to appertain.

"Contractor."

(3) The word "Contractor" to mean the party† of the second part to this contract, and‡ its successors and assigns and any and every person or corporation who or which shall at any time be liable in the place or for the party of the second part to perform any obligations under this contract assumed by the said party of the second part. For convenience the Contractor is hereinafter referred to as if the Contractor were an individual. The word "he" shall, as the sense may require, include "it," "she" and "they"; the word "him" shall include "her," "it" and "them"; and the word "his" shall include "its," "her" and "their."

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*Here insert, if a corporation, *itself, its successors;* if a single individual, *himself, his executors, administrators;* if several individuals, *themselves, jointly and severally and their and each of their executors, administrators.*

†Here and in like blanks hereafter insert *y* or *ies*, as the case may be.

‡Here insert, as the case may be, either *its successors* or *his executors, administrators,* or *their executors, administrators.*

"Comptroller"

(4) The word "Comptroller" to mean the Comptroller of The City of New York, and the officer or board to whom or to which his powers now existing under the Rapid Transit Act shall come to appertain.

"Engineer."

(5) The word "Engineer" to mean the Chief Engineer of the Commission or his duly authorized representative and any successor or successors duly appointed or any deputy or substitute for him who shall be appointed by the Commission or by its authority.

"Rapid Transit Act."

(6) The words "Rapid Transit Act" to mean chapter 4 of the laws of 1891 as amended by chapter 102 and 556 of the laws of 1892, chapters 528 and 752 of the laws of 1894, chapter 519 of the laws of 1895, chapter 729 of the laws of 1896, chapter 616 of the laws of 1900, chapter 587 of the laws of 1901, chapters 533, 542, 544 and 584 of the laws of 1902, chapters 562 and 564 of the laws of 1904, chapters 599 and 631 of the laws of 1905, chapters 472, 606 and 607 of the laws of 1906, chapter 429 of the laws of 1907, chapter 498 of the laws of 1909, chapters 205, 504, 505 and 506 of the laws of 1910, and chapter 888 of the laws of 1911, or as heretofore otherwise amended.

"Railroad."

(7) The word "Railroad" to mean the part which the Contractor agrees by this contract to build, together with the station or stations to be built in conjunction therewith, and all appurtenances thereto which are to be constructed or provided by the Contractor.

"The Works."

(8) The words "the Works" to mean all of the matters and things herein agreed to be furnished or done by or on the part of the Contractor.

"New York."

(9) The words "New York" to mean The City of New York according to its boundaries at the date of this contract.

"Daily Newspaper."

(10) The words "daily newspaper" to mean any paper regularly published in New York on every day or every day except Sundays and holidays.

"Notice," "Direction."

(11) The word "notice" to mean a written notice. The word "direction" to mean a written direction.

Wherever in the specifications or upon the drawings the words "directed," "required," "permitted," "ordered," "designated," "prescribed" or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation or prescription of the Engineer is intended, and similarly the words "approved," "acceptable," "satisfactory" or words of like import shall mean approved by or acceptable or satisfactory to the Engineer.

Legal Address of Contractor; Address May be Changed.

Article VI. The address given in the bid or proposal, upon which this contract is founded, is hereby designated as the place where all notices, directions and other communications to the Contractor shall be certified, mailed or delivered. The delivering at the above-named place or depositing in a post-paid wrapper directed to the above place, in any post-office box regularly maintained by the Post-office Department, of any notice, letter or other communication to the Contractor, shall be deemed sufficient service thereof upon the Contractor. Such address may be changed at any time by an instrument in writing executed and acknowledged by the Contractor and delivered to the Commission. Nothing herein contained shall be deemed to preclude or render inoperative the service of any notice, direction or other communication upon the Contractor personally.

Contractor Responsible for Acts of Sub-Contractor's Employees.

Article VII. If the Contractor shall cause any part of this contract to be performed by a sub-contractor, the provisions of this contract shall apply to such sub-contractor and his officers, agents and employees in all respects, as if he and they were employees of the Contractor; and the Contractor shall not be in any manner thereby discharged from his obligations and liabilities hereunder, but shall be liable hereunder for all acts and negligence of the sub-contractor, his officers, agents and employees as if they were employees of the Contractor. The employees of the sub-contractor shall be subject to the same provisions hereof as employees of the Contractor; and the work or materials furnished by the sub-contractor shall be subject to the provisions hereof, as if furnished directly by the Contractor.

Commission May Disapprove Sub-Contractors.

Article VIII. The Contractor, before making any sub-contract of the work, shall state in writing to the Commission the name of the proposed sub-contractor, the portion of the work which such sub-contractor is to do or the materials which such sub-contractor is to furnish, the place of business of such sub-contractor and such other information as the Commission may require. The Commission shall have the right to require the Contractor not to award any sub-contract to a person, firm or corporation disapproved of by the Commission.

II.

Work to be Done. Prices, etc.

Work to be Done.

Article IX. The Contractor shall do all the work and furnish all the materials, plant, tools and appliances necessary or proper for performing and completing the work of constructing the Railroad in the manner and within the time hereinafter specified. He shall complete the Railroad and do all work and furnish all labor and materials in and about the construction of the Railroad to the satisfaction of the Commission and in accordance with this contract and the specifications and drawings herein mentioned at the prices herein agreed upon and fixed therefor; provided, however, that said contract drawings may from time to time be altered or modified as hereinafter provided.

Construction Includes Incidental Work.

Article X. In order to construct the Railroad it will be necessary to take up and relay the sidewalk pavement or other surface material, and to lay and maintain a temporary pavement in the roadway, to protect, support and maintain during construction all buildings and other structures, including their foundations, and all elevated and surface and subsurface railroads, water mains, gas pipes, electric subways, poles and wires, pneumatic tubes, steam pipes, vaults, including vaults of abutting property, and other surface, subsurface and overhead structures, together with their necessary connections, as the same may be met with along the route; to build sewers both along the route and other streets; to make or remake the necessary manholes, catch basins and other sewer connections therewith, to move, alter, readjust or rebuild water mains, gas pipes, electric subways, pneumatic tubes, steam pipes, vaults, including vaults of abutting property, and other subsurface structures, together with their necessary connections; and to do all such additional and incidental work as may be necessary for the completion of the Railroad and the reconstruction and restoration of the street pavements or other surfaces (except as herein provided in respect of temporary pavements for roadways), adjacent to the route of the Railroad and which may have been directly or indirectly disturbed or injured by the Contractor in the progress of the work of construction, to as useful and good a condition as existed before construction shall have been begun. All such work of every description including underpinning wherever necessary, of all buildings or structures of whatsoever nature, monuments, elevated railroads and surface and subsurface railroads affected by or interfered with during the construction of the Railroad, is part of the work which is included in this contract and which the Contractor agrees to perform for the prices herein agreed upon.

Prices.

Article XI. The City will pay and the Contractor shall receive in full compensation for furnishing the necessary plant and all the materials and labor, and for performing and completing all the work which is necessary or proper to be furnished or performed in order to complete the Railroad (including all incidental work) and also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen obstruction or difficulty encountered in the prosecution of the work, and for all risks of any description connected with the work, and for all expenses incurred by or in consequence of the suspension or discontinuance of the work as herein specified, the following prices, to wit:

*Schedule of Unit Prices.

Item 1. For earth excavation above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., the sum of five 00/100 dollars ($5.00) per cubic yard.

Item 2. For earth excavation below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., the sum of six 00/100 dollars ($6.00) per cubic yard.

Item 2-A. For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., the sum of five 00/100 dollars ($5.00) per cubic yard.

Item 3. For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., the sum of seven 00/100 dollars ($7.00) per cubic yard.

Item 4. For underpinning buildings, including all incidental work and material, as follows:

(a) For buildings less than seven (7) stories in height the sum of twenty-five 00/100 dollars ($25.00) per lineal front foot of building underpinned.

(b) For buildings from seven (7) to twelve (12) stories in height the sum of fifty 00/100 dollars ($50.00) per lineal front foot of building underpinned.

(c) For buildings over twelve (12) stories in height the sum of one hundred 00/100 dollars ($100.00) per lineal front foot of building underpinned.

Item 6. For concrete masonry, in place, the sum of ten 65/100 dollars ($10.65) per cubic yard.

Item 7. For protective concrete masonry, in place, outside of waterproofing, the sum of eight 00/100 dollars ($8.00) per cubic yard.

Item 8. For rubble stone masonry, in place, the sum of eight 00/100 dollars ($8.00) per cubic yard.

Item 9. For brick masonry, in place, the sum of twenty 00/100 dollars ($20.00) per cubic yard.

Item 11. For grout of Portland cement, the sum of one 50/100 dollars ($1.50) per barrel of Portland cement used.

Item 12. For timber piles, in place and prepared, the sum of one 50/100 dollars ($1.50) per lineal foot.

Item 13. For timber foundations, placed and fastened, the sum of seventy-five 00/100 dollars ($75.00) per thousand feet, board measure.

Item 14. For broken stone or gravel, in place, other than that used in concrete, the sum of dollars ($) per cubic yard.

Item 15. For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:

(a) For one-ply, the sum of fifty-five cents ($0.55/100) per square yard.

(b) For two-ply,, the sum of eighty-five cents ($0.85/100) per square yard.

(c) For three-ply, the sum of one 10/100 dollars ($1.10) per square yard.

(d) For four-ply, the sum of One 45/100 dollars ($1.45) per square yard.

(e) For five-ply, the sum of One 75/100 dollars ($1.75) per square yard.

(f) For six-ply, the sum of Two 5/100 dollars ($2.05) per square yard.

Item 16. For waterproofing, brick laid in asphalt mastic, in place, the sum of thirty 50/100 dollars ($30.50) per cubic yard.

Item 17. For vitrified or cast iron drain pipe, in place, as follows:

(a) For twelve (12) inch vitrified pipe, the sum of eighty cents ($0.80/100) per lineal foot.

(b) For ten (10) inch vitrified pipe, the sum of fifty-five cents ($0.55/100) per lineal foot.

(c) For eight (8) inch vitrified pipe, the sum of thirty cents ($0.30/100) per lineal foot.

(d) For six (6) inch vitrified pipe, the sum of twenty-five cents ($0.25/100) per lineal foot.

(e) For four (4) inch vitrified pipe, the sum of twenty cents ($0.20/100) per lineal foot.

(g) For six (6) inch cast iron pipe, the sum of ninety-five cents ($0.95/100) per lineal foot.

(h) For four (4) inch cast iron pipe, the sum of seventy-five cents ($0.75/100) per lineal foot.

Item 18. For tunnel ducts in place as required by Section No. 292 of the specifications, the sum of ten cents ($0.10/100) per duct foot.

Item 19. For riveted steel, painted and erected, the sum of eighty 00/100 dollars ($80.00) per ton of two thousand pounds.

Item 20. For steel beams and shapes with connections, painted and erected, the sum of seventy 00/100 dollars ($70.00) per ton of two thousand pounds.

Item 21. For steel rods and bars built in concrete, the sum of sixty 00/100 dollars ($60.00) per ton of two thousand pounds.

Item 25. For miscellaneous iron castings (other than tunnel lining) such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes, in place, the sum of ninety 00/100 dollars ($90.00) per ton of two thousand pounds.

Item 26. For wire mesh, in place, the sum of ten cents ($0.10/100) per pound.

Item 27. For one and one-half (1½) inch galvanized iron pipe hand-rail, in place, including expansion bolts, etc., the sum of seventy cents ($0.70/100) per lineal foot.

Item 28. For steel gratings, for ventilation, in place, including frames, etc., the sum of one 50/100 dollars ($1.50) per square foot.

Item 29. For vault lights, in place, the sum of one 50/100 dollars ($1.50) per square foot.

Item 30. For street surface restored:

(a) For street surface, except roadways, the sum of one 50/100 dollars ($1.50) per square yard.

(b) For temporary restoration and maintenance of roadways, the sum of one 50/100 dollars ($1.50/100) per square yard.

Item 31. For park surface restored (all classes), the sum of one 50/100 dollars ($1.50) per square yard.

Item 32. For wrought-iron or fibre electric conduits, in place, in stations as follows:

(a) For three-fourths (¾) inch wrought-iron conduits, the sum of ten cents ($0.10/100) per lineal foot.

(b) For one and one-half (1½) inch wrought-iron conduits the sum of twenty cents ($0.20/100) per lineal foot.

(c) For two (2) inch wrought-iron conduits the sum of thirty cents ($0.30/100) per lineal foot.

Item 33. For cast-iron outlet boxes, in place, in stations, the sum of sixty cents ($0.60/100) each.

Item 34. For cast-iron pipe and fittings including specials "extra heavy" in place, in stations, as follows:

(a) For six (6) inch the sum of one 00/100 dollar ($1.00) per lineal foot.

(b) For three (3) inch the sum of seventy-five cents ($0.75/100) per lineal foot.

Sewers—Items 37 to 74.

Vitrified and Cast-iron Pipe.

Items 37 to 43.

Item 38. For fifteen (15) inch vitrified pipe sewer, the sum of five 00/100 dollars ($5.00) per lineal foot.

Item 39. For eighteen (18) inch vitrified pipe sewer, the sum of six 00/100 dollars ($6.00) per lineal foot.

Item 42. For cast-iron sewer pipe (straight pipe) in place in the work, the sum of fifty 00/100 dollars ($50.00) per ton of two thousand pounds.

Item 43. For cast-iron sewer pipe (special castings) in place in the work, the sum of eighty 00/100 dollars ($80.00) per ton of two thousand pounds.

*This is a comprehensive schedule of units of railroad construction and the items therein applicable to this contract will be filled in with the prices contained in the contractor's proposal.

Egg-shaped Brick or Concrete Sewers.

Items 44 to 51.

Item 45. For 3 ft. 6 in. x 2 ft. 4 in., the sum of ten 00/100 dollars ($10.00) per lineal foot.

SURFACE AND SUB-SURFACE STRUCTURES.

Items 75 and 76.

Item 75. For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed, in excess of the number existing), as follows:

(*a*) For electric railroads, the sum of twelve 30/100 dollars ($12.30) per lineal foot of single track.

(*b*) For horse railroads, the sum of five 00/100 dollars ($5.00) per lineal foot of single track.

PIPES IN STREETS.

Items 77 to 126.

For Work and Material as Called for by Section No. 63 of the Specifications.

Water and Gas Pipes.

Items 77 to 108.

Water Pipes.

Items 77 to 88.

For water pipes in place as follows:

Item 78. For 4-inch water pipe, the sum of one 25/100 dollars ($1.25) per lineal foot.

Item 82. For 12-inch water pipe, the sum of two 10/100 dollars ($2.10) per lineal foot.

Item 85. For 24-inch water pipe, the sum of four 00/100 dollars ($4.00) per lineal foot.

Item 86. For 30-inch water pipe, the sum of five 00/100 dollars ($5.00) per lineal foot.

Gas Pipes.

Items 89 to 99.

For gas pipes in place, as follows:

Item 90. For 4-inch gas pipe, the sum of one 25/100 dollars ($1.25) per lineal foot.

Item 91. For 6-inch gas pipe, the sum of one 60/100 dollars ($1.60) per lineal foot.

Item 92. For 8-inch gas pipe, the sum of one 80/100 dollars ($1.80) per lineal foot.

Item 94. For 12-inch gas pipe, the sum of two 10/100 dollars ($2.10) per lineal foot.

Item 95. For 16-inch gas pipe, the sum of two 50/100 dollars ($2.50) per lineal foot.

Item 96. For 20-inch gas pipe, the sum of three 00/100 dollars ($3.00) per lineal foot.

New Cast-iron Hub and Spigot Water and Gas Pipe.

Items 100 and 101.

Item 100. For new cast-iron hub and spigot straight pipe delivered on the work, the sum of forty 00/100 dollars ($40.00) per ton of two thousand pounds.

Item 101. For new cast-iron hub and spigot pipe, special castings, delivered on the work, the sum of seventy 00/100 dollars ($70.00) per ton of two thousand pounds.

High Pressure Fire System Pipes, Standard Spigot and Grooves.

Items 102 to 106.

For high pressure fire system pipe in place, as follows:

Item 102. For 8-inch high pressure fire system water pipe, the sum of three 60/100 dollars ($3.60) per lineal foot.

Item 103. For 12-inch high pressure fire system water pipe, the sum of four 20/100 dollars ($4.20) per lineal foot.

Item 104. For 16-inch high pressure fire system water pipe, the sum of five 50/100 dollars ($5.50) per lineal foot.

Item 106. For 24-inch high pressure fire system water pipe, the sum of seven 50/100 dollars ($7.50) per lineal foot.

New Cast-iron Spigot and Groove Pipe for High Pressure Fire System.

Items 107 and 108.

Item 107. For new cast-iron spigot and groove straight pipe delivered on the work, the sum of forty 00/100 dollars ($40.00) per ton of two thousand pounds.

Item 108. For new cast-iron spigot and groove pipe, special castings, delivered on the work, the sum of seventy 00/100 dollars ($70.00) per ton of two thousand pounds.

Steam Pipes, Air Pipes and Mail Tubes.

Items 109 to 126.

Steam Pipes.

Items 109 to 120.

For steam pipe in place, as follows:

Item 110. For 8-inch steam pipe, the sum of twenty-five 00/100 dollars ($25.00) per lineal foot.

New Steel-welded Flanged Steam Pipe Delivered on the Work, as Follows:

Items 115 to 120.

Item 116. For 8-inch steam pipe, the sum of six 00/100 dollars ($6.00) per lineal foot.

Air Pipes.

Items 121 to 124.

For air pipe in place, as follows:

Item 121. For 6-inch air pipe, the sum of one 00/100 dollar ($1.00) per lineal foot.

Item 122. For 8-inch air pipe, the sum of one 00/100 dollar ($1.00) per lineal foot.

New Air Pipe Delivered on the Work.

Items 123 and 124.

Item 123. For new 6-inch air pipe, delivered on the work, the sum of one 00/100 dollar ($1.00) per lineal foot.

Item 124. For new 8-inch air pipe, delivered on the work, the sum of one 00/100 dollar ($1.00) per lineal foot.

Mail Tubes.

Items 125 and 126.

Item 125. For 8-inch mail tube in place, the sum of seven 50/100 dollars ($7.50) per lineal foot.

Item 126. For new 8-inch mail tube, delivered on the work, the sum of one hundred 00/100 dollars ($100.00) per ton of two thousand pounds.

DUCTS IN STREETS.

Electric Ducts and Conduits in Streets.

(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.

Item 127. For electric ducts and conduits in place, as provided in Section No. 64 of the Specifications, the sum of fifty-five cents ($0.55/100) per duct foot.

Work Not Susceptible of Classification.

Article XII. In case any work or materials shall be required to be done or furnished in or about the Works—whether specified herein or indicated on the plans or not—which are not susceptible of classification under the Schedule of Unit Prices, the Contractor shall and will if ordered by the Engineer do and perform such work and furnish such materials at and for the actual and necessary net cost in money to the Contractor for labor and for material, where new material is used, and in addition thereto ten per centum (10%) of such net cost for the use of tools and plant, superintendence and all other expenses incidental to the performance of such work and the furnishing of such material, and the Contractor shall have no further claim in excess of the above; but this method of payment shall not apply to the performance of any work or the furnishing of any material which in part or in whole is susceptible of classification under such schedule, which work or material shall be paid for in part or in whole, as the case may be, at the unit price given in such schedule, except as herein otherwise *expressly* provided.

In case any work or material shall be required to be done or furnished under the provisions of this Article, for cost plus ten (10%) per centum, the Contractor shall at the end of each day during the progress thereof furnish to the Engineer daily time slips showing the name and number of each workman employed thereon, the number of hours employed thereon, the character of work he is doing and the wages paid or to be paid to him and also a daily memorandum of the material delivered on the work showing the amount and character of such material, from whom purchased and the amount paid or to be paid therefor. If required, the Contractor shall produce any books, vouchers, records or memoranda showing the work and materials actually paid for and the actual prices therefor.

Quantities Approximate Only.

Article XIII. It is expressly understood and agreed that the quantities of the various classes of work to be done and materials to be furnished under this contract, specified in the Contractor's Proposal, are approximate and only for the purpose of comparing, on a uniform basis, the bids offered for the Works under this contract; and neither the City, nor the Commission, nor any member of the Commission, is to be held responsible that any of the said estimated quantities shall, by reason of inaccuracies, or changes in the Works, be found even approximately correct in the construction of the Works; and the Contractor shall make no claim for anticipated profit, or for loss of profit, because of a difference between the quantities of the various classes of work actually done or materials actually delivered, and the estimated quantities stated in the Contractor's Proposal.

Right of Commission to Amplify Plans.

Article XIV. The Commission shall have the right, during the progress of the work, to amplify the plans, to add explanatory specifications and to furnish additional specifications and drawings.

Plans May be Modified.

Article XV. The Commission further reserves the right to change the location and to alter, in any way it may deem necessary for the public interests, the drawings aforesaid, in part or altogether, at any time during the progress of the work, without constituting grounds for any claim by the Contractor for payment or allowance for damages or extra service other than is provided for items of the different classes of construction shown in the schedule, or where not susceptible of classification, then as otherwise provided herein.

Contractor Bound to Complete in Best Manner.

Article XVI. The Contractor shall complete the entire work in accordance with the specifications and contract drawings and according to the other provisions of this contract and within the times specified in this contract, in the most workmanlike manner and with the highest regard to the safety of life and property and according to the lines, levels and directions given by the Engineer, for the prices herein agreed upon.

Best Materials, Machinery, Tools, etc., to be Used.

Article XVII. The Contractor shall furnish of the best description all materials, machinery, implements, tools and labor necessary to construct and put in complete working order all work covered by the specifications, contract drawings and provisions of this contract, including all additional specifications, drawings and details issued or required as herein provided for the prices hereinbefore agreed upon.

Contractor Has Examined Location, Plans, etc.

Article XVIII. The Contractor hereby represents that prior to the execution of this contract he has examined in detail on the ground the location mentioned herein and indicated on the plans, and that he has fully examined the plans and has read each and every clause and section of this contract and the specifications and has had full opportunity to consider the same and make necessary investigations relating thereto; and he agrees that he will not make any claim for, or have any right to, damages or an extension of time for completion of the Works, or any other concession, because of any misinterpretation or misunderstanding of this contract or the specifications or of the plans, or because of any lack of information.

No Acceptance to Obviate the Necessity for Sound Work, etc.

Article XIX. No acceptance of any part of the Works or of materials therefor shall relieve the Contractor of his obligation to furnish sound material and perform sound work, whether with respect to such part or to any part of the Works.

Inspection.

Article XX. The Commission contemplates, and the Contractor hereby approves, the most thorough and minute inspection by the Commission and its Engineer, and by their representatives or subordinates, of all work and materials and of the manufacture or preparation of such materials from the beginning of Construction to the final completion of the Works. It is the intention of the Commission that its Engineer shall draw the attention of the Contractor to all errors or variations from the requirements of this contract or other defects in workmanship or materials. But it is expressly agreed that no omission on the part of the Commission or its Engineer or any officer, member or subordinate of the Commission to point out such errors, variations or defects shall give the Contractor any right or claim against the City, or shall in any way relieve the Contractor from his obligations according to the terms of this contract.

Contractor to Afford Facilities for Inspection.

Article XXI. The Contractor shall at all times give to the Commission and its members, to the Engineer and his assistants and subordinates, and any person designated by the Commission or its Chairman, all facilities, whether necessary or convenient, for inspecting the materials to be furnished and the work to be done under this contract. The members of the Commission, the Engineer and all employees of the Commission bearing his authorization or the authorization of the Commission or its Chairman, shall be admitted at any time summarily and without delay to any part of the Works or to inspection of materials at any place or stage of their manufacture, preparation, shipment or delivery.

Engineer to be Furnished Facilities.

Article XXII. The Engineer shall be furnished with every reasonable facility for ascertaining whether the work is in accordance with the requirements and intention of this contract, even to the extent of uncovering or taking down portions of finished work. Should the work thus exposed or examined prove satisfactory, the uncovering or taking down and the replacing of the covering or the making good of the parts removed shall be paid for at the contract prices for the class of work done; but should the work exposed or examined prove unsatisfactory, such uncovering, taking down, replacing and making good shall be at the expense of the Contractor.

Inspection Not to Relieve Contractor of Obligations.

Article XXIII. The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his contract as herein prescribed, and defective work shall be made good and unsuitable materials will be rejected, notwithstanding that such work and materials have been previously overlooked by the Engineer and accepted or estimated for payment. If the work or any part thereof, shall be found defective before the final acceptance of the whole work, the Contractor shall forthwith make good such defect, in a manner satisfactory to the Engineer, and if any material brought upon the ground for use in the work, or selected for the same, shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials.

Engineer's Determination—To be Final and Conclusive Upon Contractor.

Article XXIV. To prevent disputes and litigations, the Engineer shall in all cases determine the amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for under this contract; shall determine all questions in relation to the Works and the construction thereof, and shall in all cases determine every question which may arise relative to the fulfillment of this contract on the part of the Contractor. His determination and estimate shall be final and conclusive upon the Contractor, and in case any question shall arise between the parties hereto, touching this contract, such determination and estimate shall be a condition precedent to the right of the Contractor to receive any money under this contract.

Engineer to Explain.

Article XXV. The Engineer shall make all necessary explanations as to the meaning and intention of the specifications, shall give all orders and directions contemplated therein or thereby and in every case in which a difficult or unforeseen condition shall arise in the performance of the work required by this contract.

Other Contractors.

During the progress of the work it will be necessary for other contractors and persons to do work in or about the construction or equipment of the Railroad. The Contractor shall afford to such other contractors or persons such facilities as the Engineer may require.

Differences Between Contractor and Other Contractors.

Any differences or conflicts which may arise between the Contractor and other contractors of the Commission in regard to their work shall be adjusted and determined by the Engineer.

Substitute for Chief Engineer.

Article XXVI. Any engineer substituted by the Commission in place of the Chief Engineer during his absence, illness or inability or when the Commission shall so determine, shall, during his official connection, have all the power and authority of the Chief Engineer, and in all respects be recognized as such Chief Engineer.

III.

Specifications.

Specifications and Drawings Subject to Requirement of Railroad of Highest Class—Where Text of Contract Doubtful, Best Materials and Workmanship Required.

Section No. 1. The specifications and contract drawings hereinafter mentioned and taken in connection with the other provisions of this contract, are intended by the Commission to be full and comprehensive, and to show all the work required to be done. But in a work of this magnitude it is impossible either in advance to show all details or precisely to forecast all exigencies. The specifications and contract drawings are to be taken, therefore, as indicating the amount of work, its nature and the method of construction so far as the same are now distinctly apprehended. The Railroad is intended to be constructed for actual use and operation as an interurban railroad of the highest class, adapted to the necessities of the people of New York, in the best manner, according to the best rules and usages of railroad construction, and in the event of any doubt as to the meaning of any portion or portions of the specifications or contract drawings, or of the text of the contract, the same shall be interpreted as calling for the best construction, both as to materials and workmanship, capable of being supplied or applied under the then existing local conditions. All the clauses of the specifications, and all the parts of the contract drawings, are, therefore, to be understood, construed and interpreted as intending to produce the results hereinbefore stated.

To Construct in Accordance With Specifications.

Section No. 2. The Contractor shall construct and complete the Railroad strictly in accordance with the requirements of these specifications; if, in the specifications or contract, any detail or other matter or thing requisite be not mentioned, nevertheless the same is deemed to be included and the Contractor hereby undertakes to do the same as part of the work hereunder, at the unit prices for each class of work where applicable or as provided in Article XII. of the contract.

Maps and Drawings.

Section No. 3. The contract plans referred to in the contract and specifications bear date December 15, 1911, are each countersigned by the Engineer, are stamped with the seal of the Commission, bear the general title:

Route No. 5, Section No. 3.
Contract Drawing No.

and are designated or numbered as follows:

Numbers A-3, B-200, 201, 205, 206, 207, C-6 to C-16 inclusive, C-401 and C-1001.

Typical Sections and Dimensions.

Section No. 4. The sections and dimensions shown on the contract drawings are typical sections and dimensions which should be applicable to the greater part of the work. Where, however, changes are deemed necessary they may be ordered under Article XV. of the contract and the Engineer shall issue such plans and specifications as may be necessary.

Supplementary Drawings.

Section No. 5. In addition to the contract drawings already mentioned, the Commission has had prepared a set of maps and plans, bearing the same seal and general title as the contract-drawings, but designated as Supplementary Drawings. These supplementary drawings exhibit certain information which the Commission has received from its Engineer of the nature of the soil underlying portions of the route, the nature and position of elevated and surface railways, water mains, gas and other pipes, sewers, electric subways, manholes, hydrants, catch basins and other surface and subsurface structures.

Supplementary Drawings May Be Examined.

Section No. 6. These supplementary drawings, for each section of the work, can be seen at the office of the Engineer, also samples of material taken in connection with test borings. They are exhibited to the Contractor without any guarantee on the part of the Commission as to their completeness or correctness. The Contractor may have copies (blue prints) of these drawings for the section included in this contract for such aid, if any, as may be derived from them, on the payment of the cost of blue-printing.

In Case of Difficulties Not Indicated on Supplementary Drawings.

Section No. 7. If, upon opening the streets by tunneling or otherwise, difficulties of any nature be encountered which are not indicated or suggested by the supplementary drawings, or by the samples of the test borings, or if additional surface or sub-surface structures or obstructions be discovered or found of different size or in different positions or of different nature from those shown on the supplementary drawings, or if in any way such supplementary drawings be found erroneous, the Contractor shall take every necessary or proper precaution to overcome the unforeseen difficulty, and is to support, maintain, protect, remove, adjust or readjust, as the case may be, the additional or different surface or sub-surface structures according to the direction of the Engineer, and as provided in this contract and these specifications.

Specifications not Exclusive.

Section No. 8. It is expressly understood that the specifications do not include all requirements, but are requirements in addition to those heretofore or elsewhere given or provided in this contract. The specifications and other provisions of this contract and the contract drawings, are intended to be explanatory of each other. Should, however, any discrepancy appear or any misunderstanding arise as to the import of anything contained in either, the explanation of the Engineer shall be final and conclusive.

Subdivisions of Specifications.

Section No. 9. These specifications are grouped in subdivisions as follows:

		Page.
1	Brief Description of the Work	29
2	General Clauses	30
3	Manner of Prosecution and Maintenance of Traffic	36
4	Street Railroad Tracks, Mains and Other Surface or Subsurface Structures	38
5	Excavation	42
6	Tunneling	47
7	Backfilling	49
8	Piling and Timbering	50
9	Cement	51
10	Mortar	54
11	Masonry	54
12	Concrete	56
13	Brick Masonry	60
14	Stone Masonry	61
15	Waterproofing	61
16	Steel and Iron	65
17	Painting	72
18	Ducts and Conduits	74
19	Drains and Pumps	78
20	Sewers	80
21	Requirements for Pipes	95
22	Street Surface and Park Surface Restored	101
23	Vault Lights, Gratings and Hand-rails	103

1

Brief Description of the Work.

General Nature.

Section No. 10. The Rapid Transit Railroad which is hereinbefore described is to be an underground railroad or subway, the general details of construction and the location of the various tracks, junctions, grades, etc., being indicated more particularly on the contract drawings.

Stations to be Constructed.

Section No. 11. Stations are to be constructed at such places as are indicated on the plans, but station finish work is not included in the work to be done under this contract. Station construction must, however, be kept so advanced that station finish contractors can complete their work coincidently with the completion of the Railroad.

Surface and Subsurface Structures.

Section No. 12. In addition to the construction of the Railroad, it will be necessary to do various incidental work which is generally referred to in Article X. hereof.

Ventilating Chambers and Gratings.

Section No. 13. In order to provide for a frequent renewal of air in the Railroad, chambers for the installation of necessary ventilating devices shall be built at the sides of the Railroad and in connection therewith. These chambers shall be generally of the form and dimensions as shown on the plans, varying somewhat with the requirements of local conditions. They will be so arranged that the air will discharge through gratings placed generally in the sidewalks in the roofs of the chambers. If, owing to local conditions it becomes necessary to lead the air to gratings or other outlets away from the chambers, suitable air-ways, ducts or flues shall be constructed.

The chambers will be built at the places and as indicated on the plans.

Section No. 14. Other openings with gratings will be built at or over the stations, for the purpose of admitting air to the Railroad.

Section No. 15. The chambers will be provided with suitable doors or openings, and with ladders reaching to the street for use as exits in case of emergency.

2

General Clauses.

Prevention of Water Percolation.

Section No. 16. It is the very essence of these specifications to secure a railroad structure underground which shall be free from the percolation of ground or outside water. The mixing and placing of the concrete and the placing and protection of the waterproofing shall be with this end in view.

Best Quality of Work.

Section No. 17. All materials and workmanship must be of the best class in every respect, and the Engineer is to be the sole judge of their quality and efficiency.

Rapidity and Safety.

Section No. 18. All the work shall be prosecuted in the manner, according to local conditions, best calculated to promote rapidity in construction, to secure safety to life and property and to reduce to the minimum any interference with abutting property and the public travel. Decking of the streets, paving, or other surface work affecting or affected by street traffic shall be prosecuted during such hours as will reduce such interference to a minimum. Night work shall be conducted, in accordance with the directions of the Engineer, so that annoyance to occupants of abutting property shall be reduced to a minimum, and the Engineer may, if in his judgment conditions so require, direct that night work be omitted.

Contract Section Part of System.

Section No. 19. The contract section embraced in this contract is one of a number of contract sections forming part of an extensive rapid transit railroad system, which the interests of the City imperatively require should be completed and put in operation without delay. If the Contractor shall fail so to prosecute his work that, in the judgment of the Engineer, it shall not be reasonably probable that the work will be completed within the time limited, the Contractor, if directed by the Commission, shall increase the number of shifts and the number of men in each shift as may be necessary to insure the completion of the work within the time required by this contract, or within the shortest possible time thereafter.

Emergencies.

Section No. 20. In case of emergencies involving danger to life or property, continuous work with an increased force may be ordered by the Engineer for such time as may be necessary.

Permits.

Section No. 21. No work shall be begun until the Commission shall issue to the Contractor a permit authorizing him to proceed. No permits for excavation will be issued until the Contractor has given satisfactory assurance to the Engineer that the material needed for construction has been acquired and is available. Such permits are to be in such form and to cover such portions of the work as the Commission shall prescribe.

When to be Filed With Borough President.

Section No. 22. Before any opening is made in the surface of a street, a copy of the permit issued by the Commission shall have been filed with the Borough President not less than five days, unless the Engineer shall expressly direct work to begin within a less period.

Notice Regarding Commencement of Work.

Section No. 23. Before commencing work on any part of the route, whether on the Railroad or on the sewers lying off the line of the Railroad, the Contractor shall give notice in writing to the Engineer at least one (1) week in advance of his intention to commence such operations; and before commencing manufacture, or resuming manufacture, if the same has been suspended, of any article called for by these specifications, notice shall be given to the Engineer in writing at least one (1) week in advance, with the name and address of the maker and the amount and description of the material to be manufactured.

Shafts and Dumping Platforms.

Section No. 24. Plans showing the proposed location, and proposed methods of construction of shafts, dumping platforms, etc., shall be submitted to the Engineer and receive his approval before permits will be granted for such plant and appliances to be constructed and put in operation.

Ordinances and Regulations.

Section No. 25. In all operations connected with the Works, all ordinances of the City, and of the Board of Health, so far as they may be valid and operative with respect thereto, and all laws of this State which are now applicable to and control or limit in any way the actions of those engaged in the work or affecting the materials belonging to them, shall be respected and strictly complied with, and the Contractor shall further strictly comply with all applicable Federal, State and Municipal regulations regarding the transportation in and around the City and Harbor of materials used in, or in connection with, the work.

Requirements of Borough President, etc., to be Observed.

Section No. 26. Whenever the construction of the Works under the provisions of this contract shall interfere with, disturb or endanger any sewer, waterpipe, gaspipe, or other duly authorized subsurface structure, the work of construction at such points shall be conducted in accordance with the reasonable requirements of the Borough President or the Commissioner of Water Supply, Gas and Electricity or other officer or local authority having the care of and the jurisdiction or control over such subsurface structures so interfered with, disturbed or endangered.

Building and Water Permits; Shut-offs for Water Pipes, etc.

Section No. 27. The Contractor shall procure all permits necessary or requisite for the underpinning of buildings and the reconstruction thereof; he shall, at his own cost, provide for the water supply necessary for his work and he shall bear the cost of the services of inspectors required by any municipal department or other public authority in or about the execution of the work other than the inspectors or the employees of the Commission. He shall bear the expense absolutely necessary in the bagging of gas pipes where it is necessary to cut off the supply of same and of the shutting off and restoration of the flow in water mains where such work applies to the maintenance and support thereof as provided in Section No. 62 of the specifications.

Storage on Cross-Streets.

Section No. 28. No materials of any nature shall be stored along the streets occupied by the Railroad. On cross-streets adjacent to the work, only such material may be stored as may be necessary, in case of an emergency, to sheet or to support the excavation; or a reasonable amount of such structural material as may be absolutely necessary to avoid delay in construction may be stored; such material must not be allowed to accumulate, but must be replenished from day to day. The amount to be so allowed shall be determined by the Engineer.

Material Stored.

Section No. 29. Excavated sand, gravel or stone that in the judgment of the Engineer is suitable for use in mortar, concrete, or masonry, also structural and other material to be used in the work, may be stored in such locations and for such periods as are approved by the Engineer.

Approval of Engineer Revocable.

Section No. 30. In any case material may only be so stored with the approval of the Engineer, revocable at any time; and if so ordered, such material shall be removed immediately on receipt of the order, or within a period of time to be therein stated.

Access to Fire Hydrants.

Section No. 31. Wherever the work is being carried on, free access must be given to every fire hydrant and fire alarm box, and when required hydrants shall be extended by suitable tube or piping to an accessible point as approved by the Engineer, and to the satisfaction of the Chief of the Fire Department. Materials must not be piled at any time or place within ten (10) feet of any fire hydrant or fire alarm box; and where materials are unavoidably piled or placed in the vicinity of a fire hydrant or fire alarm box, and to such height as to obscure a sight of the same, the position of such hydrant or fire alarm box shall be indicated by suitable signals, both day and night.

Work to Be Cleared.

Section No. 32. At his own expense and as directed from time to time by the Engineer, the Contractor is to clear the work, streets and all public places occupied by him of all refuse and rubbish that may accumulate from any source whatever and leave them in a neat condition; but this is in no way to be construed as placing upon the Contractor the usual duties of the Street Cleaning Department.

Assistance to Be Rendered to Owners of Buildings.

Section No. 33. Where access to any adjacent property is temporarily cut off, owing to the occupancy of the street by the Contractor, he must, at his own cost, render every assistance to the owner or occupant in handling such materials of any description, including all material to be removed by the Department of Street Cleaning, that has to be taken to or removed from such property; such material shall be taken to or from the nearest accessible point that in the opinion of the Engineer is convenient for handling.

Waste Material.

Section No. 34. Waste material of any character will under no conditions be permitted to remain on the streets, but must immediately on its becoming unfit for use in the work be carted away and disposed of by the Contractor as hereinbefore provided; nor shall such materials be allowed to accumulate in the trenches.

Conveniences for Men.

Section No. 35. Necessary conveniences, properly secluded from public observation, shall be constructed and maintained by the Contractor at his own expense wherever needed for the use of the Contractor's employees, to the satisfaction of the Engineer and the sanitary authorities.

Fences.

Section No. 36. Wherever necessary the Contractor shall erect and maintain at his own expense fences for the protection of adjoining property and of the adjoining public places.

Advertisements Forbidden.

Section No. 37. The using of fences and buildings during construction for advertising purposes, other than the name and address of the Contractor, is forbidden; all temporary buildings and fences erected by the Contractor shall be neat in appearance and shall be painted as directed by the Engineer.

Barricades.

Section No. 38. Barricades and bridges shall be erected by the Contractor at his own cost, for the protection of the work or use of the public; they shall be substantial in character and neat in appearance.

Detailed Drawings.

Section No. 39. The Engineer will prepare and furnish to the Contractor, from time to time as required, drawings and plans amplifying such details of the contract drawings as may be necessary, and drawings and plans necessary to show the adjustment and reconstruction of all surface and sub-surface structures wherever the reconstruction of the same is necessitated by the construction of the railroad. These plans must be strictly followed, unless local conditions should develop, during construction, suggesting changes, when, with the approval of the Engineer, such changes may be permitted.

Working and Shop Drawings.

Section No. 40. The Contractor shall make all working or shop drawings which may be required in addition to the contract drawings, or in addition to such other drawings as the Commission may issue in amplification of such contract drawings, as explained above. All working or shop drawings shall be submitted in duplicate to the Engineer for his approval, which approval shall be indicated by his countersigning one set of such working or shop drawings and returning the same to the Contractor. Should the working or shop drawings be not approved by the Engineer, then the Engineer shall return one set of such working or shop drawings, with the necessary corrections and changes indicated thereon; and the Contractor must make such corrections and changes, and again submit plans in duplicate for the approval of the Engineer; and no work called for by said working or shop drawings shall be done until the approval of the Engineer be obtained, which must be given or refused within ten (10) working days after delivery to him at his office of such plans in duplicate.

Lines and Grades.

Section No. 41. During the progress of the work the Commission will give, through the Engineer, to the Contractor, suitable points, marks or benches, indicating the line and grade of the Railroad and of the sewers; such points or bench marks to be established at such intervals as the Engineer deems necessary for the Contractor to be able to perform his work. The principal lines and grades are to be given by the Engineer, who may change them from time to time as may be authorized and directed by the Commission. The stakes and marks given by the Engineer shall be carefully preserved by the Contractor, who shall give to the Engineer all necessary assistance and facilities for establishing benches and plugs for making measurements.

Notice, How Given.

Section No. 42. When the Contractor is absent from any part of the work where it may be necessary to give instructions, orders will be given by the Engineer to, and shall be received and promptly obeyed by the superintendent or overseer of the Contractor, who may have charge of the particular work in relation to which the orders are given, and a confirmation in writing of such orders will be given to the Contractor by the Engineer if so requested.

Imperfect Work.

Section No. 43. Any imperfect construction which may be discovered before the final acceptance of the work, shall be corrected immediately on the requirement of the Engineer and at the Contractor's expense, notwithstanding that it may have been overlooked by the proper inspector.

Damaged Work to Be Replaced.

Section No. 44. All work of whatever kind which during its progress and before its final acceptance shall become damaged from any cause, so much of it as may be objectionable shall be broken up or removed and be replaced by good and sound work at the Contractor's expense.

Condemned Materials to Be Removed.

Section No. 45. If any material brought on the ground for use in the work or selected for the same shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials as may be directed by the Engineer.

Competent Men.

Section No. 46. The Contractor shall employ only competent, skillful and faithful men to do the work. Whenever the Engineer shall notify the Contractor in writing that in his opinion any man on the work is incompetent, unfaithful or disorderly, such man shall be discharged from the work and shall not again be employed on it.

3

Manner of Prosecution and Maintenance of Traffic.

Access to Buildings, Etc.

Section No. 47. No building shall, without the consent of the occupant, and after notice to the Engineer, be deprived of means of access thereto; and, where streets are open suitable bridges shall be built and maintained, at the Contractor's expense, to permit owners and occupants to reach their premises. Where necessary, proper and easy means for passengers to reach or leave street cars shall be maintained.

Wharves and Docks.

Section No. 48. For that portion of the route adjoining wharves and docks the work must be so prosecuted as to permit free access to neighboring wharves and docks.

Contiguous Contract Sections.

Section No. 49. On the division line of contiguous contract sections, the Engineer will decide any matters in the details of construction within a limit of ten feet on either side of the line where the work of contractors may be in conflict, and direct which of the contractors shall complete the details of construction within such limits.

Conduct of Work.

Section No. 50. Generally the Contractor will be permitted to conduct its work in the most expeditious manner possible, having due regard for the safety of persons and property and facilities for traffic and under such instructions as the Engineer may give from time to time.

Facilities for Travel.

Section No. 51. All necessary facilities are to be furnished by the Contractor for the benefit of street travel, both on longitudinal and cross streets.

Decking of Streets and Sidewalks.

Section No. 52. In order to provide the minimum interference with traffic and the minimum inconvenience to abutting property owners, during the construction of the Railroad, on all parts of the work when the excavation is in trench the streets and sidewalks shall, except as hereinafter specifically provided, be substantially decked or covered over, and every precaution must be taken to keep traffic free from interruption.

Street Intersections.

Section No. 53. The street intersections, except in cases where open trench excavation without cover is permitted, shall be kept at all times open for traffic for their full width. The street intersections in cases where open trench excavation without cover is permitted must be kept at all times open to traffic for at least one-half the width of the cross-roadway, except that cross-roadways in which surface railroads are located shall be kept at all times open to traffic for their full width.

Where portions of a street intersection are opened the same shall be substantially and neatly bridged for foot traffic. In all cases the Contractor shall at all times keep all the street crossings on the lines of the sidewalks in a clean and neat condition, bridging gutters and low places where water might collect.

Close Observance of Above Requirements.

Section No. 54. The Commission will insist upon the close observance of the above requirements, and no departure therefrom will be allowed, excepting upon the written permission of the Commission.

By-passing Gas Mains.

Section No. 55. Wherever the excavations are decked, all gas pipes whose service cannot temporarily be dispensed with shall be by-passed, temporary pipes to take their place being laid above the street or sidewalk surfaces. The cost of such by-passing will be paid for as provided in Article XII of the contract, but no allowance will be made for the maintenance of such temporary pipes.

Temporary Pipes, etc.

Section No. 56. Temporary pipes, if laid above the street or sidewalk surfaces, shall be neatly and substantially placed, and in a manner to cause the minimum of inconvenience to the abutting property owners and to the public.

In General.

Section No. 57. In general, work will as provided herein be carried on under covered roadways. In exceptional cases, however, where rock is within a few feet of the street or sidewalk surface, it may be impracticable to operate drills while the street is covered, until a sufficient depth of excavation has been obtained. In such cases such latitude will be allowed the Contractor as may prove absolutely necessary for the execution of its contract, and as the Engineer with the approval of the Commission may deem advisable, after a thorough understanding of the exact conditions and necessities has been determined.

4

Street Railroad Tracks, Mains and Other Surface or Sub-Surface Structures.

Notice to Be Given.

Section No. 58. Notice is to be given by the Contractor to all companies and the proper city officials, owning or having charge of surface or sub-surface structures along any part of the work, of his intention to commence operations along such part of the route, at least one (1) week in advance, and the Contractor shall file with the Engineer at the same time a copy of said notice; and he shall co-operate with the proper officers or officials in charge of such structures and shall furnish them with all reasonable facilities to inspect the methods of caring for their property.

Plans Furnished.

Section No. 59. In the re-arrangement of sub-surface structures requiring removal and relaying or reconstruction due to interference with the railroad structure a tentative plan will be made by the Engineer, which will be submitted to the parties interested; if any reasonable changes are then requested by any of the said parties within ten days after the submission of the tentative plan, such changes will then be made, if in the judgment of the Engineer they will best conserve the interest of all

parties concerned; a further plan will then be made which, on the approval of the Engineer, will be final.

Reconstruction or Relaying, etc.

Section No. 60. Whenever it becomes necessary to cut, move, change, or reconstruct any surface or sub-surface structures, or connections therewith, such work shall be done according to the reasonable satisfaction of the owners of such pipes or other structures.

Reasonable Dispatch.

Section No. 61. All work of reconstruction or alteration shall be done with reasonable dispatch, and facilities are to be provided so that said work will interfere as little as possible with the practical working and use of such structures.

Maintenance, Support, etc.

Section No. 62. The Contractor shall at all times, by suitable bridging or other supports, maintain and support in an entirely safe condition for the usual service and to the reasonable satisfaction of the owners, all surface and sub-surface structures encountered during the prosecution of his work. All surface and sub-surface structures and surfaces of whatever character along the line of the work shall be protected from injury, but should any injury occur the Contractor shall fully restore such surface or sub-surface structures or surfaces to as good a condition as existed before the injury was done. All the above, including also all changes of surface or sub-surface structures made by the Contractor for his own convenience in executing his work, shall be done at the Contractor's own expense and included in the prices stipulated in the Schedule for excavation except as otherwise herein specifically provided.

Necessary Permanent Changes of Pipes.

Section No. 63. Changes of water, gas, steam or other pipes made necessary because of physical interference with the railroad structure, and requiring the removal, relaying or reconstruction of such pipes and their appurtenances in other than the original position, will be paid for at the prices stipulated in Schedule Items 77 to 99, Items 102 to 106, Items 109 to 114, Items 121 and 122, and Item 125. These prices are per lineal foot of pipe laid including all work, labor and material incidental to such laying, excepting that:

(1) If new pipes have to be provided and are ordered by the Engineer, such new pipes will be paid for in addition to the price paid for laying, etc., at the prices stipulated in Schedule Items 100 and 101, Items 107 and 108, Items 115 to 120, Items 123 and 124, and Item 126, which prices are to cover the cost of the new pipes delivered on the work.

(2) If the pipes in their new locations are outside of the ordered net lines for excavation for the railroad structure, necessitating additional excavation and restoration of street surface, such excavation will be paid for at the prices stipulated in Schedule Items 2-A and 3-A (which prices shall include all the matters referred to in Section No. 99), and for restoration of street surface, Item 30 A and B, but only to the net lines ordered by the Engineer for excavation for such pipe work.

Necessary Permanent Changes of Electric Conduits and Ducts.

Section No. 64. Changes of electric conduits or ducts and their appurtenances found in the streets (other than street railway ducts, payment for which is provided for in Schedule Item 75-a), made necessary because of physical interference with the railroad structure, and requiring the removal, relaying or reconstruction in other than the original position, will be paid for at the price stipulated in Schedule Item 127. The price per duct foot as provided in Schedule Item 127 is to include the cost of all ducts in place; of all manholes, vaults, service boxes and their appurtenances; of drawing cables and providing new cables where necessary; of the proper restoration of all services that may be affected by the changes in the duct lines; of such excavation and restoration of street surface as may be necessitated by the changes in the duct lines, and all other work and material incidental to and necessary for the completed duct lines.

Surface and Elevated Railroads.

Section No. 65 The Contractor shall maintain and support, in a manner that will cause the minimum interference with traffic, all surface, sub-surface and elevated railroads along the line of or crossing the line of the work.

Surface Railroads.

Section No. 66. The Contractor shall maintain and support, both temporarily and permanently, in a safe condition all street surface railroads (including steam railroads), including ducts, cables and all other appurtenances of such railroads; he shall rebuild either in their original or in new locations all parts of such surface railroads, including ducts, cables and all other appurtenances of such railroads, whose reconstruction or rebuilding may be necessitated by the construction of the work. Payment therefor will be at the rates specified in the Schedule for electric railroad, Item 75-A, or for horse railroad, Item 75-B, which prices will include the cost of all work incidental thereto. Where permanent masonry supports are required and added, and where additional vaults in excess of the number existing are required and constructed to give equivalent facilities, they will be paid for at the prices given in the Schedule for the several classes of work or material applicable thereto.

Elevated Railroads.

Section No. 67. The Contractor shall maintain and support both temporarily and permanently in a safe condition all elevated railroad structures. Payment therefor will be at the rate specified in Schedule Item 76, which price will include the cost of all incidental work, including the reconstruction and building where necessary of all column foundations and parts of column foundations lying without the net lines of the subway structure.

Sub-surface Railroads.

Section No. 68. The Contractor shall support and maintain both temporarily and permanently in a safe condition all sub-surface railroads and their appurtenances. Payment therefor shall be deemed included in the prices for excavation, Schedule Items 1, 2 and 3.

Facilities to be Given to Make Extensions.

Section No. 69. In the event of the owners or the City desiring to make any alteration or extension to their structures, or do any work to or in connection with surface or sub-surface structures owned by them or it, at the time the work under this contract is in progress, the Contractor shall give said owners or the City all reasonable opportunity to perform such work; provided such work or alteration for the benefit solely of the owners of sub-surface structures does not cause the Contractor any serious loss or delay, as shall be determined by the Commission.

Parks and Parkways, Trees, etc.

Section No. 70. In any park or parkway, or where any grass plots or trees exist along any street occupied by the Contractor, proper precautions must be taken to protect from injury all such trees or grass plots. For every tree removed, injured or destroyed, the Contractor shall set out a new thrifty tree of the same kind as the tree removed, injured or destroyed, and not less than fifteen (15) feet in height and not less than three and one-half (3½) inches in diameter measured two feet above the surface of the ground, and in such position as the Commissioner of Parks shall indicate. All roads, cross-paths, grass plots, shrubbery and other plants removed or affected by the construction of the Railroad, shall be restored as soon as possible to as good a condition as existed before the commencement of the work.

Replanting Under Direction of Park Commissioner.

Section No. 71 In replanting trees and the replanting of grass plots the Contractor must be governed by the reasonable requirements of the Commissioner of Parks or by other authorities specially charged with the care of these trees or grass plots, and the nature and depth of the soil to be placed therein must be as approved by such authorities and by the Commission.

Payments, How Made.

Section No. 72. Payment for all work covered by Sections 70 and 71 shall be included in the prices paid for Park or Street Surface Restored, Schedule Items 31 or 30.

5

Excavation.

Width of Excavation.

Section No. 73. Special care must be taken to avoid damage wherever excavation under cover is being done or where open excavation is permitted. The width of such excavation shall not exceed the width actually necessary, in the opinion of the Engineer, for the proper prosecution of the work. All excavations shall be of such width, in addition to that of the Railroad, as shall be necessary, in the opinion of the Engineer, for the proper and expeditious progress of the work, and to permit the laying and readjusting of all sewers, mains, subways and other sub-surface structures, encountered along the route and contiguous to the Railroad.

Depth of Trenches.

Section No. 74. Trenches shall be excavated to such depth, both in soft ground and in rock, as may be necessary to permit the laying of such concrete bed or special foundation as may be deemed necessary by the Engineer.

Sides to be Secured.

Section No. 75. The sides of the excavations shall be secured against slips by suitable sheet piling or sheeting, held in place by braces, shores or walling timbers, special precautions being taken where there is additional pressure, due to the presence of buildings or other structures. Where a movement of the ground might cause the settlement of an adjacent building, the sheeting must be started, if near the building, before the elevation of the bottom of the foundation of the building is reached; if away from the building, at such depth of the excavation as the Engineer may permit; and the excavation must not be made in advance of or below the bottom of the sheeting.

Filling Back of Sheeting.

Section No. 76. Sheeting shall be driven wherever possible, but when it is placed against the sides of the excavation, the spaces or voids back of the sheeting must be immediately and carefully filled with suitable material to prevent as far as possible the natural ground back of the sheeting from moving.

Buildings Underpinned.

Section No. 77. To secure adjacent ground or the buildings thereon, or to prevent bringing an unusual pressure on the structure when completed, the Contractor shall secure the sides of the excavation by suitable timbering, and shall safely and permanently underpin adjacent buildings. As part of this obligation the Contractor shall use such methods of construction or underpinning, pneumatic or otherwise, as special conditions may require and the Engineer shall approve.

Payment for.

Section No. 78. Where underpinning of a building is necessary and the work is done as provided in Section No. 77, payment will be made to the Contractor as, and at the price, provided in Schedule Item 4. The classification as to the number of stories has reference to the number of stories above the surface of the street.

Sheeting.

Section No. 79. No payment shall be made to the Contractor for sheeting left in the ground or in the work, unless the Engineer shall in writing require it to be left in, in which case payment shall be made to the Contractor for the sheeting so left in as measured by the Engineer, and at one-half the current market price for new material of the same grade, character and dimensions, and without any allowance or payment for placing the same or the expense thereof. This section applies only to the sheeting in trench work.

Timber for Temporary Purposes.

Section No. 80. All timber used for sheeting, shoring, bracing, decking or other temporary purposes, shall be sound and free from any defects that may impair its strength. It shall be provided, placed and removed at the Contractor's own cost and expense. The top or wearing surface of all decking used for carriageways shall be of hard yellow pine, sound, straight, and free from all shakes, and large loose knots. All sheeting and timber used temporarily shall be put in place by skilled mechanics, keyed tight by wedges where necessary, and so arranged as to be withdrawn readily without endangering the adjoining soil.

Vaults of Abutting Property.

Section No. 81. The cost of the removal, where necessary, of all walls or other parts of vaults of abutting property along the line of the Railroad that are within the ordered net lines of excavation is to be included in earth excavation as provided in Section No. 94, but the restoration of all such walls or other parts of vaults within the ordered net lines of excavation will be paid for at the unit prices specified in the Schedule applicable to the several classes of work and material involved in such restoration.

The above is not to be construed, however, as applicable to any work beyond the ordered net lines of excavation, which shall be at the Contractor's own cost and expense.

Vaults Disturbed.

Section No. 82. Wherever vaults are broken through or otherwise disturbed, the Contractor shall at his own cost and expense erect a temporary partition on or about the building line, or as directed, that will afford proper protection to the owner or occupant of the adjoining premises.

Rock.

Section No. 83. Ledge rock in place, and boulders within the ordered line of excavation requiring blasting, will be considered as rock excavation.

Preparations for Rock Measurement.

Section No. 84. Whenever rock is encountered in the trench, it shall be stripped of earth in sections of not less than twenty feet; and the engineer in charge shall be duly notified, in order that he may measure or cross-section the same.

Blasting.

Section No. 85. Whenever rock or material requiring blasting is encountered in any trench or tunnel, all necessary precautions must be exercised by the Contractor, as required by the ordinances of the City relative to blasting. Explosives shall be used only of such character and strength as may be permitted by the Commission, and the right is reserved for the Engineer to direct that in special cases ordinary blasting powder only, in small charges, shall be used. Blasting shall not be done between the hours of 11 p. m. and 7 a. m. without the express permission of the Engineer, and under such restrictions as he may impose.

Storage of Explosives.

Section No. 86. No larger quantity of explosives shall be kept on the line of the work than will be actually required for the twelve (12) hours of work next ensuing, and it shall be kept under lock, the key to which is to be only in the hands of the foreman or other equally trustworthy person. The amount of explosives kept in any one place shall not exceed the limit permitted by any ordinance of the City, or as may be determined by the Commission. Caps and exploders shall not be kept in the same place with dynamite and other explosives. During freezing weather, special precautions shall be taken as to the care and manipulation of dynamite.

Near Pipes and Mains.

Section No. 87. Whenever any pipe or main is encountered in or alongside of the trench, right is reserved to direct that all rock within five (5) feet of the same shall be removed by means other than blasting.

General Precautions in Blasting.

Section No. 88. In rock excavation in the trenches for the Railroad the work must be so regulated as to avoid, as far as possible, shattering the rock beyond the established line for excavation.

Close Drilling.

Section No. 89. Generally the central portion of the excavation must, when directed by the Engineer, be kept some distance in advance of the excavation near the sides, and if the rock, owing to its general character and structure, has a tendency to break large, or the strike and dip of the stratification indicate a liability to slip or slide into the excavation, the Contractor must place the drill holes at close intervals on the established lines for excavation, in order to avoid excessive excavation and to preserve the established lines thereof.

Pumping.

Section No. 90. Whenever water is encountered in trenches, the same shall be removed by bailing or pumping, great care being taken when pumping that the

surrounding particles of soil be not disturbed or removed. If necessary to prevent such disturbance, the pumping must be done by a series of driven wells whose points are protected by fine wire cloths, the rate of flow at each well being made so slow as not to remove the particles of soil; or the pumping must be done by other means approved by the Engineer. The delivery from all pumps shall be conducted into the adjacent sewers, and the delivery pipes shall be so arranged as to be readily inspected at all times to ascertain if the water is free from particles of soil.

Carts to be Tight.

Section No. 91. All carts, buckets or other vehicles used by the Contractor for the removal of material, shall be tight and so arranged and so loaded as not to spill over. Whenever a cart, bucket or other vehicle so used is leaky or unsuitable it shall be immediately withdrawn from the work on notification by the Engineer, or his duly qualified assistant, in charge of that portion of the work.

Removed Expeditiously.

Section No. 92. Excavated material shall be removed expeditiously and disposed of, in any place selected by the Contractor, subject to the ordinances and regulations of the City authorities governing the disposal of such material, and the regulations of the United States Government as to the disposal or dumping of material in and about or near the Harbor of New York.

When Excavated Material May be Taken by City.

Section No. 93. If at any time during the course of construction the City shall desire for city purposes any part of the material excavated, and the cost of such disposal shall not exceed the cost to the Contractor of the method in which he is then disposing of it, the Commission may order such material dumped or turned over to the City at a point designated without cost to the City.

Earth Excavation, Definition of.

Section No. 94. Earth excavation includes the excavation of all materials of whatever nature encountered in the trenches, excepting ledge rock in place and boulders requiring blasting.

Excavation in Trenches, How Measured.

Section No. 95. The net outside width of the railroad structure, as ordered and indicated on the plans, and the depth, also as ordered and as indicated on the plans, will govern as to width and depth in the measurements for payment for excavation. No deduction from the volume of excavation determined as above will be made on account of basements or cellars in property acquired by the City for the construction of the Railroad or on account of vault space or of spaces occupied by pipes and other sub-surface structures.

No Allowance Outside of Ordered Net Lines.

Section No. 96. There will be no measurement or allowance made nor money paid for excavation outside (below or wider than) the net measurement lines as above indicated, or in rock excavation, for irregularities of surface; and no allowance shall be made for any excess excavation caused by slips or slides. It is understood and agreed that for all such matters the Contractor has estimated and allowed in the unit prices of the Schedule.

Change of Street Grade.

Section No. 97. Where the contract drawings indicate that the grade of any street is to be raised the Contractor shall fill in the street to the changed grade as required, and such work shall be measured and paid for at the price stipulated for earth excavation, Schedule Item 1.

Payment for Excavation.

Section No. 98. Excavation shall be paid for at the price or prices given in Schedule Items 1 and 2 for excavation in earth and Item 3 for excavation in rock.

Prices for Excavation to Include.

Section No. 99. The prices herein stipulated for excavation, Schedule Items 1, 2 and 3 are to include the cost of the disposal of the materials excavated, of backfilling, of all decking and bridging, of all materials excavated, of backfilling, of all decking and bridging, of all sheeting and bracing, and of maintaining and supporting of trenches during and after excavation, of all pumping or bailing, and of the maintenance, support, etc., of all surface and sub-surface structures of whatever nature, payment for the maintenance and support of which is not herein elsewhere *specifically* provided for.

6

Tunneling.

How Lined.

Section No. 100. All tunnels shall be lined with steel or cast-iron and concrete, or with concrete or brick masonry.

Where tunnels are lined with concrete or brick work without metal tubes, proper provisions shall be made for keeping the tunnels dry by the use of drains, and by other methods as elsewhere provided.

Packing.

Section No. 101. The space between the extrados of the arch or back of the sidewalks and the rock or other materials of excavation, shall be filled with concrete to a height of two feet above the spring line of the arch—above this concrete the space shall be filled with dry masonry packing. Similarly in the tunnel floor, if concrete is used, all loose muck shall, if directed by the Engineer, be removed to the solid rock and the space filled in with concrete up to the bottom line of the section ordered by the Engineer for tunnel excavation and concrete. All such concrete or other packing, being outside of the net section line for excavation as ordered by the Engineer, shall be at the sole expense of the Contractor.

Grout.

Section No. 102. After the tunnel lining and packing is in place, if required by the Engineer a grout, consisting of one (1) part fine, clean and sharp sand and one (1) part Portland cement, shall be pumped in under pressure, from time to time behind the masonry, so as to completely fill all the voids. Where tunnels are made by the use of a shield, similar grout shall be pumped in to completely fill the space left by the tail piece of the shield as soon as the shield is moved forward.

Payment for Grout.

Section No. 103. Where grout is ordered and used, it shall be paid for at the price herein provided, Schedule Item 11.

Lines for Excavation.

Section No. 104. The tunnel, at any place, is to be excavated to the line of the cross-section ordered by the Engineer for that place.

No Payment for Excavation Beyond Ordered Lines.

Section No. 105. All loose or shaky rock, whose fall or settlement might, in the judgment of the Engineer, produce an unequal or concentrated pressure on the masonry, shall be removed, and the space refilled with such class of masonry as the Engineer may require and as provided in Section No. 101, but no payment will be made for any excavation outside of the cross-section of the tunnel excavation ordered by the Engineer as provided in Section No. 104.

Blasting.

Section No. 106. Drilling and blasting must be conducted with all possible care and in such a manner as not to shatter the roof and sides outside of the section lines, as ordered by the Engineer, nor endanger adjoining property.

Drains.

Section No. 107. All seams carrying water shall be carefully drained, as specified under the clauses relating to drainage.

Precautions Against Settlement.

Section No. 108. The Contractor must take every precaution, and such precautions as the Engineer may direct, by suitable shields, timbering, lagging or other supports, to prevent any settlement or movement of surrounding ground. Such timber as cannot be drawn without endangering the work or the ground above shall be left in place and thoroughly surrounded by masonry and grouted.

Timbering.

Section No. 109. Timbering shall be used wherever necessary to support the materials or to secure the safety of the work or workmen. It will be at the sole expense of the Contractor and included in the contract price for tunnel excavation, Schedule Item 5. Wherever practicable it shall be removed before the concrete lining or concrete or other packing is placed.

Compressed Air.

Section No. 110. If for the work under the Harlem River and for the approaches thereto or elsewhere on the work a method is adopted requiring the use of compressed air, a plant must be provided of sufficient capacity to insure at all times and under all conditions an ample supply of air to prosecute the work with safety and dispatch, and proper air locks shall be built with safety locks in addition, to provide for the escape of workmen at time of accident.

Methods to be Approved.

Section No. 111. All methods of tunneling shall be subject to the approval of the Engineer, and be changed from time to time if, in his judgment, the local conditions so require, and during construction approved methods of ventilation and lighting shall be used.

Tunneling, Payment For.

Section No. 112. The price per cubic yard, stipulated herein, Schedule Item 5, for Tunnel Excavation, is to cover all expense due to the presence of quicksand or other soft material, rotten rock, boulders, etc.; the cost of all pumping and bailing; of all timbering, and removal of same; of removing all excavated material; of all ventilation and lighting; and of all other work incident to the excavation of the tunnel. Any expense that may arise from loose or shaky rock or from falls or cave-ins, or from any unexpected obstacles, shall be borne by the Contractor. In earth sections the tunnel excavation must be large enough to permit building the masonry to the full required thickness, clear of such timbering and lagging as it may be necessary to build in. As a fair provision for such contingencies, it is assumed that the excavation will extend an average distance of one (1) foot outside the net line in the roof and sides and six (6) inches below the net line in the floor, and measurements for payment in tunnel excavation in earth will be made to those lines. It is distinctly understood, however, that no such allowances or any other allowance in tunnel excavation will be made in connection with timbering in tunnel excavation in rock.

Chambers, Drains, etc.

Section No. 113. Excavations for chambers, for skewbacks of arches, for sump holes, drains or for any other purpose in the tunnel, are to be measured according to the lines of the cross-sections determined by the Engineer, and paid for by the cubic yard as tunnel excavation.

Additional Enlargement.

Section No. 114. If after the excavation has been made of a certain size by direction of the Engineer, he is of opinion that the nature of the rock or other material is such that the form and dimensions of the masonry for which said excavation was intended must be increased, he may order an enlargement of the excavation for the purpose of building masonry of greater thickness, and the Contractor is to make such enlargement, which is to be measured according to the lines given by the Engineer, and paid for at the price per cubic yard stipulated in the Schedule for tunnel excavation.

7.

Backfilling.

Quality of Material—How Placed.

Section No. 115. The trenches at the sides of and over the top of the subway and wherever backfilling is necessary, shall be backfilled with sand, gravel or other good clean earth, free from perishable material and from stones exceeding six (6) inches in diameter, and not containing in any place a proportion of stone of or below that size exceeding one (1) part of stone to five (5) parts of earth. The filling shall be compacted by flooding with water or, in cases where flooding with water is not practicable it shall be compacted by ramming in layers, not exceeding six inches in depth.

Subsurface Structures, Frozen Material Not Permitted.

Section No. 116. Whenever pipes, sewers, or other sub-surface structures are met with, the filling must be carefully packed, rammed and tamped under such subsurface structures, using special tools for the purpose. No filling of trenches with frozen earth will in any case be permitted, nor will any filling be permitted over frozen material.

Sheeting Removed.

Section No. 117. As fast as the work of filling permits, sheeting and other timber supporting the sides of the excavation shall be carefully withdrawn, or shall be left in place, as may be directed by the Engineer, and the spaces left by the removal of such material carefully back-filled.

How Paid For, Piles.

Section No. 118. The cost of back-filling is to be included in the prices paid for earth and rock excavation, Schedule Items 1, 2, 2-A, 3 and 3-A.

8

Piling and Timbering.

Character of Piles.

Section No. 119. If, in the judgment of the Engineer, the ground is of such a character as to require piling, the Contractor shall drive such piles as the Engineer directs. The piles shall be of good, sound pine or spruce, straight and free from shakes; they shall be not less than twelve (12) inches in diameter at the butt end, or less than six (6) inches in diameter at the point, and shall be driven to the satisfaction of the Engineer and by means of a steam hammer driver if so required by him. If necessary, the points of the piles shall be protected by proper shoes, and the butts by rings or caps. Piles shall not be spliced unless permitted by the Engineer, and then in such manner as he directs. Piles shall be carefully cut off to the grade given by the Engineer.

Piles Driven in Required Location.

Section No. 120. Piles shall be driven in the position and manner and to the depth ordered; if driven in a wrong position or injured in any way by driving they must be withdrawn and replaced by others. After being driven they shall be cut off to a true plane for proper adjustment with capping timber or masonry.

Payment for Timber Piles.

Section No. 121. The price herein stipulated to be paid, per lineal foot of timber piles, Schedule Item 12, is to cover the cost of furnishing, driving and preparing the piles ready for the capping timbers or masonry, and the portion cut off and removed will not be included in the length measured for payment. No test piles, guide piles, or piles other than those that are a part of the finished foundation and are included within the net width of the finished foundation will be paid for.

Concrete Piles.

Section No. 122. If in the judgment of the Engineer special conditions so require, piles of re-inforced concrete of an approved form of construction shall be used.

Payment for Piles Other than Timber Piles.

Section No. 123. Payment for piles other than timber piles will be as provided in Article XII. of the contract.

Grillage.

Section No. 124. Timber grillage foundations shall be built if so directed by the Engineer.

Foundation Timber.

Section No. 125. All foundation timber shall be of pine or spruce, or other timber permitted by the Engineer, sound and free from shakes. It shall be of

such dimensions, and laid in such manner, as the special plans to be issued shall require, and held in place by spikes or good seasoned oak or locust treenails.

Foundation Timber, Measurement and Payment.

Section No. 126. No wastage is to be allowed for, and the estimate of the quantities of foundation timber used will be based on the amount ordered by the Engineer and placed according to his directions. Payment for foundation timber will be as provided in Schedule Item 13.

9.

Cement.

Portland Cement.

Section No. 127. All cement used in the work shall be true Portland cement, by which is meant the finely pulverized product. resulting from the calcination to incipient fusion of a properly proportioned intimate mixture of argillaceous and calcareous earths or rocks. to which no addition greater than three (3) per cent. has been made subsequent to calcination.

Brand to be Approved.

Section No. 128. Before any cement is furnished, the brand shall receive the approval of the Engineer. Cement, to be acceptable, shall be of a well-known brand which has been in successful use for large engineering works in America for at least five (5) years, and which has an established reputation for uniform character. Preference will be given to cements which, by their records, show a tendency to maintain high strength of mortar with increased age.

Inspection.

Section No. 129. Cement shall be subject to inspection at the place of manufacture or on the work, and to such tests as may be ordered by the Engineer. The Engineer or his representatives shall have access at all times and places to inspect the methods of manufacture, storage and protection, and shall have liberty to inspect the daily laboratory records of tests and analyses at the cement works.

Tests.

Section No. 130. In general, tests will conform to the methods recommended by the Committee on Uniform Tests of Cement of the American Society of Civil Engineers. Unless otherwise directed, samples will be taken at the place of manufacture by a representative of the Engineer, and sent to the Commission's laboratory, where the tests will be made. If required, tests will be made on the individual samples, without intermixing.

Specific Gravity and Color.

Section No. 131. The cement shall have a specific gravity of not less than 3.10 nor more than 3.25 after being thoroughly dried at a temperature of 212 degrees Fahr. The color shall be uniform, bluish gray, free from yellow or brown particles.

Chemical Analysis.

Section No. 132. Chemical analyses of cement made from time to time shall show a reasonably uniform composition. Cement shall not contain more than 1.75 per cent. of sulphuric anhydride (SO^3) nor more than 4 per cent. of magnesia (MgO).

Fineness.

Section No. 133. The fineness of the cement shall be such that it shall leave by weight a residue of not more than eight (8) per cent. on a No. 100, and not more than twenty-five (25) per cent. on a No. 200 sieve; the wires of the sieves being respectively 0.0045 and 0.0024 inch in diameter.

Time of Setting.

Section No. 134. It shall not develop initial set in less than thirty (30) minutes unless a more quickly-setting cement is specifically required, and shall develop hard set in not less than one (1) hour nor more than ten (10) hours.

Soundness.

Section No. 135. Pats of neat cement, after remaining one (1) day in moist air, shall be kept in air or water of normal temperature for at least twenty-eight (28) days, or shall be exposed to an atmosphere of steam, above boiling water, in a loosely closed vessel for at least five (5) hours; and the separate parts under any of these conditions, shall remain hard without any indications of checking, cracking, distortion, disintegration or blotching.

Tensile Strength.

Section No. 136. Neat cement briquettes shall have at the end of one (1) day in moist air a breaking strength, per square inch of sectional area, of not less than one hundred and fifty (150) lbs ; at the end of seven (7) days—one (1) day in air, six (6) days in water—of not less than five hundred (500) lbs.; and at the end of twenty-eight (28) days—one (1) day in air, twenty-seven (27) days in water—of not less than six hundred (600) lbs. The strength at twenty-eight (28) days shall not be less than at seven (7) days.

Mortar Briquettes.

Mortar briquettes, composed of one (1) part of cement and three (3) parts of standard Ottawa sand, by weight, shall have at the end of seven (7) days—one (1) day in air, six (6) days in water—a breaking strength, per square inch of sectional area, of not less than two hundred (200) lbs.; and at the end of twenty-eight (28) days—one (1) day in air, twenty-seven (27) days in water—of not less than three hundred (300) lbs. The strength at twenty-eight (28) days shall show an increase of not less than fifty (50) lbs. over the strength at seven (7) days.

Long-time Tests.

Section No. 137. Tests will be made from time to time extending over longer periods than twenty-eight (28) days. If such tests show a tendency to unsoundness or unusual reduction in strength with increased age, the Engineer shall have the right to prohibit the further use of that brand and to require that another brand be substituted.

Storage During Tests.

Section No. 138. All cement shall be held in storage to allow ample time for tests to be made before the cement is required for use in the work.

How Contained.

Section No. 139. Cement shall be packed and delivered in canvas sacks or other strong, well-made packages, plainly marked with the manufactuerer's brand, and sealed in an approved manner. The weights of such packages shall be uniform.

Methods of Storing.

Section No. 140. The Contractor shall at all times keep in store on the work or at some point convenient thereto, an abundant supply of cement, so as to guard against possible shortage. It shall be stored in a weather-tight building, with a tight floor a proper distance above the ground, and with sufficient floor space to admit of storing each lot of cement, of not more than two hundred (200) barrels or its equivalent, separately, so as to facilitate identification of each individual lot in case of necessity for further tests or rejection. Cement that has become partially set or otherwise damaged shall not be used.

10.

Mortar.

Cement and Sand—Mixing.

Section No. 141. All mortar shall be prepared from accepted cement and clean, sharp sand, approved by the Engineer. These ingredients shall be thoroughly mixed dry in the proportions as specified below; water shall then be added, so as to produce a stiff paste. Water used in mortar, grout or concrete must be clean, fresh water, no salt water being permitted. The mortar shall be freshly mixed for the work on hand, in proper boxes made for that purpose, and no mortar shall be used that has stood beyond such limit of time as may be determined by the Engineer.

How Measured.

Section No. 142. For purposes of mixture, three hundred and seventy-five (375) pounds of Portland cement shall be estimated at three and one-half (3½) cubic feet of volume. The proportional parts of sand and stone or gravel shall be by volume as cast into the measuring box. The proportions for brick and stone masonry shall be one (1) part cement to two (2) parts sand; for pointing, one (1) part cement and one (1) part sand; for concrete masonry, as specified under the head of concrete; and for other classes of work, as directed by the Engineer; for grout, one (1) part of cement to one (1) part of fine sand.

11.

Masonry.

Laid in Portland Cement.

Section No. 143. All masonry, except as otherwise specified, shall be laid in Portland cement mortar, and shall be built of the forms and dimensions shown on the plans, or as directed by the Engineer from time to time; and the system of joining or bonding ordered by the Engineer shall be strictly followed.

Water Not to Interfere With.

Section No. 144. Care must be taken that no water shall interfere with the proper laying of masonry in any of its parts.

Freezing Weather.

Section No. 145. During freezing weather such masonry only shall be built whose construction, in the judgment of the Engineer, can not be postponed, except at the cost of delaying the work. The Contractor shall provide such appliances as are necessary for heating the water and the materials used in the masonry according to the specific instructions of the Engineer.

Protected in Freezing Weather.

Section No. 146. During freezing weather all masonry shall be protected by a suitable covering of salt hay, canvas, tarpaulin or by such material or in such ways as may be necessary to insure it against freezing.

Hot Weather.

Section No. 147. During hot weather all masonry, especially concrete, shall be kept wet by sprinkling and properly covered until it has become thoroughly set and hardened.

Pointing.

Section No. 148. Unless otherwise permitted, every joint that is to be pointed shall be raked out, within two days after being laid, to a depth of at least two inches.

Section No. 149. Pointing of the face joints of masonry shall be thoroughly made with cement mortar mixed in the proportion of one (1) part of cement to one (1) part of sand, except where otherwise specially provided.

Section No. 150. No pointing shall be done in freezing weather, and masonry laid between December 1 and April 1 shall not be pointed until permitted by the Engineer.

Defective Masonry.

Section No. 151. Any masonry which is found to be defective from any cause whatsoever, before the final completion and acceptance of the work, must be removed and properly rebuilt, or if damaged during such time must be properly repaired.

Stone Cleaned.

Section No. 152. All stone before being laid shall be thoroughly cleaned, and washed if so directed by the Engineer.

12

Concrete.

How Composed.

Section No. 153. The concrete shall be composed of gravel or broken stone, or a mixture of both, free from all dust and dirt, and mixed together with the proportion of mortar specified below.

Sand.

Section No. 154. Sand for concrete shall be of the kind herein specified for mortar.

Stone.

Section No. 155. Stone for concrete shall be sound, clean gravel, or sound, hard, broken limestone, or trap rock, or a mixture of such gravel and broken stone may be used.

Sizes of Stone.

Section No. 156. Broken stone or gravel for concrete shall be graded from fine to coarse, and that which is all of one size, or practically so, shall not be used. It shall be screened or washed so as to remove all dust, and it shall contain no pieces that will pass through a hole three-eighths (⅜) inch in diameter, and no pieces that will not pass through a hole one and one-half (1½) inches in diameter. Broken stone or gravel for concrete, graded as above, but between three-eighths (⅜) and three-fourths (¾) inch in diameter, may be required and used in special parts of the work.

Rubble Concrete.

Section No. 157. In concrete where the thickness is thirty (30) inches or more, if permitted by the Engineer, the Contractor may imbed in the same pieces of sound stone whose greatest diameter does not exceed twelve (12) inches and whose least diameter or thickness is not less than three-quarters (¾) of the greatest diameter. These stones shall be set by hand in the concrete as the layers are being rammed, and so placed that each stone is completely and perfectly imbedded. No two (2) stones shall be within six (6) inches of each other and no stones within four (4) inches of an exposed face, nor shall any such stone be placed nearer than six (6) inches to any metal built in the concrete for reinforcing the same.

Proportions.

Section No. 158. The proportions of cement, sand and stone (or gravel) used in making concrete shall be as follows:

Section No. 159. Concrete in floor, sidewalls and roof one (1) part of cement, two (2) parts of sand and four (4) parts of stone. Concrete for tube tunnels under the Harlem River will be as indicated on the plans.

Section No. 160. Protective concrete outside of waterproofing lines on side and roof, one (1) part of cement, four (4) parts of sand and eight (8) parts of stone.

Mixing by Machine.

Section No. 161. Whenever practicable, concrete shall be machine mixed. A rotary machine of a pattern approved by the Engineer, and mixing only one batch at a time, shall be used.

Mixing by Hand.

Section No. 162. When concrete is mixed by hand the stone or gravel shall be spread on a platform in a bed about six (6) inches thick, and shall be thoroughly wet. Sand shall be spread on a platform and the requisite portion of cement spread on the sand. After thoroughly mixing the latter, the dry mixture thus formed shall be spread evenly over the bed of stone wet as above, and the whole turned over until thoroughly mixed, but not less than two (2) turnings on the mixing board shall be allowed in any case, water being added as necessary. Care shall be taken to keep the bed of concrete wet and avoid piling.

How Laid.

Section No. 163. Concrete shall be placed immediately after mixing in layers of such thickness as may be directed by the Engineer, and shall be thoroughly compacted throughout the mass by ramming or spading, special tamping bars or tools being used as approved by the Engineer. The amount of water used in making the concrete shall be as approved by the Engineer. If a small amount of water has been used in mixing, ramming shall be continued until the water flushes to the surface; as a rule, however, concrete shall be placed wet.

Made Smooth to Receive Waterproofing.

Section No. 164. Concrete to which waterproofing is to be applied shall be made smooth at the time of laying and shall be carefully protected from injury by barricades or otherwise, if necessary until thoroughly set.

Time for Hardening.

Section No. 165. Concrete shall be allowed to set for twelve (12) hours, or more, if so directed, before any work shall be laid upon it; and no walking over or working upon it shall be allowed while it is setting. Concrete shall not be flooded with water before being thoroughly set.

Rock Surface to be Cleaned.

Section No. 166. Before laying concrete on rock surfaces the latter shall be swept clean of all debris and dirt, and when laid on earth the earth shall be rammed as directed before placing the concrete.

Surface Rough for Bonding.

Section No. 167. Wherever a section of concrete is necessarily left unfinished, leaving a surface which will be hard set before additional concrete can be laid, the surface shall be left rough to form a bond with the new work; and if deemed necessary by the Engineer, the joints shall be reinforced with steel bars or dowels, to be furnished by the Contractor.

Joints Cleaned.

Section No. 168. In all cases of joints of old with new work the old surfaces shall be thoroughly cleaned and wet, and a coating of mortar or cement shall be applied, if required, before placing the concrete.

Forms.

Section No. 169. Suitable forms shall be provided by the Contractor to support the concrete while being placed in the walls or roofs. These forms shall be immediately replaced by new ones as soon as they commence to lose their proper shape. Before being used they shall be carefully cleaned of cement and dirt in order to provide a perfectly smooth face to the exposed surface of the concrete. The forms shall be made of wood, kept carefully planed; or made of metal sufficiently thick to retain their shape without the use of wood.

Section No. 170. No forms made of wood and covered with iron will be permitted.

Section No. 171. The forms, if made of wood, shall be made of boards with tight joints, tongued and groved if required by the Engineer.

Precautions in Placing.

Section No. 172. Every precaution shall be taken in placing or assembling the forms to do so in such a manner that when removed, after the concrete has been placed, the faces of the concrete that are to remain exposed shall present a smooth and even surface.

Forms, How Set.—Forms Removed.—Surface Irregularities Corrected.—Defective Work Replaced.

Section No. 173. The forms shall be set true to line, firmly secured, and be so tight as not to allow water in the mortar to escape; they shall be thoroughly wet before placing the concrete and shall be removed as soon after the concrete has been placed as in the judgment of the Engineer may be done with safety to the work. Immediately on the removal thereof the faces that will remain exposed shall be carefully examined and any irregularities of the surface corrected; projections shall be removed and voids filled with mortar. If, however, the voids are such as to indicate an excessive loss of mortar, portions of the concrete shall be cut out to the fullness of such defects and the space refilled with a rich concrete or mortar in such proportions and in such manner as the Engineer may direct.

Reinforcement Steel.

Section No. 174. Where reinforcement steel or wire mesh is used, efficient means shall be provided to maintain it in the exact position it is to occupy in the completed work, and to prevent it from becoming dislodged, or moved in any manner, when concrete is placed.

Surfaces Not to be Painted.

Section No. 175. The exposed faces of the concrete, excepting within station limits, shall be left with the natural cement finish; therefore, immediately following the removal of the forms, followed by the removal of the projections and the filling of voids as provided above, these entire surfaces shall be rubbed down in such a manner, approved by the Engineer, as will leave a smooth and even surface, the object in view being to obtain a generally smooth finished surface with uniformity in color.

Impervious to Water.

Section No. 176. It is intended to obtain concrete impervious to water; the concrete shall be mixed and deposited with this end in view, and on the roof of the Railroad, if waterproofing is not used, the top surface of the concrete shall be carefully troweled as may be directed in order to add to its imperviousness.

Concrete, How Measured and Paid For.

Section No. 177. Concrete masonry shall be measured in place in the work to the prescribed net lines ordered by the Engineer and shall be paid for at the prices in Schedule Items 6 and 7; which prices are to include the cost of all scaffolding, centres, forms, etc., and removing the same, and all work incidental thereto.

Backing or Filling Concrete. Not Paid For.

Section No. 178. No concrete backing or filling outside of the ordered net lines of excavation will be paid for.

(For Concrete in Sewers, see Sewers.)

13

Brick Masonry.

Quality.

Section No. 179. Bricks for masonry shall be of the best quality common bricks, burned hard entirely through, regular and uniform in shape and size and of compact texture.

Hollow Terra Cotta Blocks.

Section No. 180. Hollow terra cotta blocks or bricks may be required in station work, on the outside of walls of the structure or at such other places as the Engineer may direct. They shall be of the best porous terra cotta as approved by the Engineer, and shall be laid in such manner as hereinafter specified or as the Engineer may direct.

How Laid.

Section No. 181. All brick masonry shall be laid in mortar of the quality above described, except that in exposed locations coloring matter may be added, if required by the Engineer. The bricks shall be laid to line with joints in the face work (except in stations) not exceeding one-quarter (¼) of an inch in the beds, and three-eighths (⅜) of an inch on ends; the bricks to be thoroughly wet before laying and to be completely embedded in mortar under the bottom and on the sides and ends at one operation, care being taken to have every joint full of mortar.

All exterior surfaces shall be smooth and regular.

Cleaned.

Section No. 182. The inside faces of all arches and other exposed parts shall have all the mortar scraped off and washed clean immediately after the centres have been struck, and shall be pointed and left in neat condition.

No "Bats" or Culls.

Section No. 183. All bricks of whatever nature shall be carefully culled and if necessary gauged before laying, at the expense of the Contractor. No "bats" shall be used except in large masses of brickwork, where a moderate proportion, to be determined by the Engineer, may be used, but nothing smaller than half bricks.

Racked or Toothed.

Section No. 184. All unfinished work shall be racked back or toothed, as directed by the Engineer, and before new work is joined to it the faces of the brick in the old work must be scraped entirely clean, scrubbed with a stiff brush and be well moistened.

Special Bricks.

Section No. 185. Where necessary to make a neat joint in connection with steel framework, or at corners, curves, or other similar places, special bricks of proper shape shall be furnished and used. All centres and forms shall be made to fit the curves of the work; they shall be put up and removed in a manner satisfactory to the Engineer.

Measurements and Payments.

Section No. 186. Brick masonry shall be measured to the lines indicated and shown on the plans and as ordered by the Engineer and shall be paid for as herein stipulated in Schedule Item 9, for common brick masonry and Item 10 for hollow terra cotta brick or tile masonry; these prices are to include the cost of all scaffolding, forms, centres, etc., and the removal of the same, of all plastering and pointing and of all other work incidental thereto.

14

Stone Masonry.

Rubble Stone Masonry, Where Used.

Section No. 187. Rubble stone masonry will be used for supporting the street railroads over the roof of the Railroad where permanent supports are required, or at such other places as the Engineer may require.

How Laid.

Section No. 188. Rubble stone masonry shall be made of sound, clean stone of suitable size, quality and shape for the work in hand and shall be laid in mortar mixed in the proportion of one (1) part cement to three (3) parts of sand. All beds and joints shall be well filled with mortar and the work must be thoroughly bonded.

Measurement and Payments.

Section No. 189. Rubble stone masonry shall be measured in place in the work and to the lines ordered by the Engineer, and it shall be paid for as herein stipulated under Schedule Item 8.

Other Masonry.

Section No. 190. In case, during the progress of the work, stone masonry of a different class than that specified above shall become necessary and shall be required by the Engineer, the same shall be constructed according to specifications applicable to the best work of such class, and it shall be paid for as provided in Article XII. of the contract.

15

Waterproofing.

General Limits of Waterproofing.

Section No. 191. In general, waterproofing of the structure will be limited to the roof and sidewalks at the stations and over the roof between stations, and to those surfaces near ground water or mean high water if ground water level is found for any reason to be below mean high water. At other places free drainage shall be provided by pipe drains, hollow tile or broken stone.

Protecting Masonry.

Section No. 192. The protecting masonry shall be hollow terra cotta blocks, common bricks or concrete, laid and paid for as herein elsewhere provided, and shall not be less than four inches in thickness.

Laid Against Sheeting.

Section No. 193. In places where permanent sheeting is placed at the waterproofing line, the waterproofing, if permitted by the Engineer, may be applied against the sheeting.

Surfaces to be Made Smooth.

Section No. 194. All surfaces to which waterproofing is to be applied shall be made as smooth as possible; on these surfaces there shall be spread either hot melted pitch or asphaltum in a thick layer of uniform thickness; on this layer of pitch or asphaltum shall be laid a treated woven fabric of such material as may be approved by the Engineer; this process shall be repeated until such number of layers as may be required by the Engineer have been placed and a final coat of pitch or asphaltum shall then be applied.

Definition of Term "Ply."

Section No. 195. The term "ply" as used in these specifications shall mean a layer of treated woven fabric, both sides of which shall be coated with pitch or asphaltum at the time of laying.

Number of "Ply."

Section No. 196. The number of plies of waterproofing on the sides at stations and over the roof between stations shall in no case be less than three (3), except as hereinafter provided where brick laid in asphalt mastic is used.

Brick in Asphalt Mastic.

Section No. 197. Over the roof of the structure within station limits and over the tracks passing through the stations within said limits, also on the sides and bottom of the structure below a line of two (2) feet above ground water, or, if ground water is below mean high water level, then two (2) feet above mean high water, one (1) ply of waterproofing, as described above, shall be used with one or more layers of brick laid in asphalt mastic; the number of layers of bricks to be determined by the Engineer.

In any case where brick laid in asphalt mastic is not used, the number of plies shall be as local conditions require and as directed by the Engineer.

Quality of Brick.

Section No. 198. The quality of brick shall be the same as provided in the specifications under the head of Brick Masonry. The brick shall be properly dried and shall be heated before laying.

Measurements and Payments.

Section No. 199. Brick in asphalt mastic will be measured in place to the lines ordered by the Engineer, and will be paid for at the price herein stipulated, Schedule Item 16.

Section No. 200. Six (6) plies of waterproofing may be substituted for brick in asphalt mastic, if approved by the Engineer, and will be paid for as provided for fabric waterproofing.

Asphalt Mastic.

Section No. 201. Asphalt mastic shall contain one-third (1/3) pure bitumen, the other ingredients to be sand and lime dust or cement, in proportions governed by local requirements and weather conditions.

Leaks Stopped.

Section No. 202. Any masonry that is found to leak at any time prior to the completion of the work and final acceptance thereof by the Commission shall be cut out and the leak stopped, at the sole expense of the Contractor.

Quality of Pitch.

Section No. 203. Pitch shall consist of either coal-tar or natural asphalt as the Engineer shall elect; it must be delivered on the work in packages that are plainly marked with the manufacturer's brand, and indicating the grade and quality of the material.

Coal-tar Pitch.

Section No. 204. The coal-tar pitch shall be straight run pitch containing not less than twenty-five (25%) per centum and not more than thirty-two (32%) per centum of free carbon, which will soften at approximately 70° F., and melt at 100° F., being a grade in which distillate oils distilled therefrom shall have a specific gravity of 1.05.

Quality of Asphalt.

Section No. 205. The asphalt used shall be the best grade of Bermudez, lake or other natural asphalt, subject to the approval of the Engineer, and shall comply with the following requirements:

The asphalt shall contain in its refined state not less than ninety-five (95) per cent. of natural bitumen soluble in rectified carbon bisulphide or in chloroform. The remaining ingredients shall be such as not to exert an injurious effect on the work.

Not less than two-thirds (2-3) of the total bitumen shall be soluble in petroleum naphtha of seventy (70) degrees Baume or in acetone. The asphalt shall not lose more than four (4) per cent. of its weight when maintained for ten (10) hours at a temperature of three hundred (300) degrees Fahrenheit.

Woven Fabric for Waterproofing.

Section No. 206. The fabric to be used shall be a woven fabric which shall have been treated with pitch or asphaltum before being brought on the work. The fabric and the material used in its treatment shall be approved by the Engineer.

Concrete to be Dry.

Section No. 207. All concrete shall be dry before waterproofing is attached. If, in the judgment of the Engineer, it is impracticable to have the concrete dry, then there shall be first laid a layer of the treated fabric, on the upper surface of which is to be spread the first layer of pitch or asphaltum; the said layer of fabric shall then be counted as one of the required plies.

Each layer of pitch or asphaltum fluxed as directed by the Engineer must completely and entirely cover the surface on which it is spread without cracks or blow holes.

Fabric for Waterproofing to be Carefully Laid.

Section No. 208. The fabric must be rolled out into the pitch or asphaltum while the latter is still hot, and pressed against it so as to insure its being completely stuck over its entire surface, great care being taken that all joints are well broken by overlapping, and that the ends of the rolls of the bottom layers are carried up on the inside of the layers on the sides, and those of the roof down on the outside of the layers on the sides so as to secure a full lap of at least one (1) foot. Especial care must be taken with this detail.

Section No. 209. When the finishing layer of concrete is laid over or next to the waterproofing material, care must be taken not to break, tear or injure in any way the outer surface of the pitch or asphaltum.

Skilled Labor to be Employed.

Section No. 210. None but competent men, especially skilled in work of this kind, shall be employed to lay the waterproofing.

Measurements and Payments.

Section No. 211. Measurements will be made on the basis of actual area covered by the number of plies ordered, no account being taken of laps, and the waterproofing will be paid for as herein stipulated, Schedule Item 15.

16.

Steel and Iron.

Open Hearth Process.

Section No. 212. Steel shall be made in an open hearth furnace.

Chemical and Physical Properties.

Section No. 213. The chemical and physical properties of finished material shall conform to the following limits:

Properties.	Structural Steel.	Carbon Rivet Steel.	Steel Castings.
Phos. (Max.)	.04%	.04%	.05%
Sulph. "	.05%	.04%	.05%
Mn. "	.60%	.60%	.80%
Si. "	.10%	.10%	.35%
Ult. Str.	60000±4000	50000±4000	65000± (Min.)
Yield Point	55% Ult.	55% Ult.	35000± (Min.)
Elongation	1500000 / Ult. Str.	1500000 / Ult. Str.	20% in 2"
Fracture	Silky.	Silky.	Fine granular
Cold Bend	180° flat.	180° flat.	120° (d.=3+.)

Yield Point.

Section No. 214. The yield point shall be that strain, beyond which the elongation ceases to be proportional to the weight imposed, and may be indicated by drop of beam. The speed of testing shall be governed by the inspector.

Finish.

Section No. 215. Sufficient discard shall be made to insure sound material free from piping or excessive segregation. The material shall be finished straight and smooth, and shall be free from all seams or other defects. Any imperfection which may develop during the progress of the work will be sufficient cause for rejection.

Steel Castings.

Section No. 216. Steel castings shall be true to pattern and free from injurious imperfections.

Standard Test Pieces.

Section No. 217. The tensile strength, yield point and ductility of the material shall be determined from a standard test piece of not more than two (2) inches in width, and about one-half (½) square inch in sectional area, cut from a full sized bar, with sides turned or planed parallel so as to give a uniform minimum section for at least nine (9) inches. Whenever practicable the two sides of the test piece shall be left as they come from the rolls, but the finish on opposite sides shall be alike in this respect.

Specimens for Bending.

Section No. 218. Specimens for bending shall be cut from the material as rolled.

Rivet Rods.

Section No. 219. Rivet rods shall be tested as rolled.

Steel Castings.

Section No. 220. For steel castings the test piece shall be turned to a uniform minimum section of one-half (½) inch diameter, for a length of at least two and one-half (2½) inches. Specimens for bending shall be one (1) inch by one-half (½) inch in section.

Ductility Elongation.

Section No. 221. In determining the ductility, the elongation shall be measured after breaking on an original length as specified, in which length shall occur the curve of reduction each side of the point of fracture.

Where Taken From.

Section No. 222. For rollers the specimens shall be cut from the finished bar so that the center of the specimen shall be one inch from the outside of the bar.

Section No. 223. For steel castings the specimens shall be cut from coupons cast on some portion of a casting from each melt, and shall be annealed with the casting before it is cut off.

Treatment of Test Specimens.

Section No. 224. The material from which test specimens are cut shall receive the same treatment as the material which it represents in the finished structure.

Number of Tests.

Section No. 225. At least one tensile and one bending test shall be made from each melt of steel as rolled. In case steel differing three-eighths (⅜) inch or more in thickness is rolled from one melt, a test shall be made from the thickest and from the thinnest material rolled.

Variation in Weight.

Section No. 226. A variation in weight of any piece of steel of two and one-half per centum (2½ per cent.) from that specified, shall be sufficient cause for rejection, except in case of sheared plates exceeding one hundred (100) inches in width, where the variation may be five (5) per centum.

Material Marked.

Section No. 227. Each finished piece of steel shall be marked with the melt number, excepting that bars for reinforcing concrete shall be bundled and the melt number stamped on a metal tag attached to each bundle.

Wrought Iron.

Double Rolled.

Section No. 228. All wrought iron shall be double rolled, and no scrap used in its manufacture. It shall be thoroughly welded in rolling, shall be tough, ductile, and fibrous, and shall be finished straight and smooth. It shall be uniform in quality and free from surface defects.

Method of Testing.

Section No. 229. The methods specified for testing rolled steel shall apply generally to wrought iron. It shall show by the standard test piece an ultimate strength of fifty thousand (50,000) lbs. per square inch, and a yield point of twenty-six thousand (26,000) lbs. per square inch. It shall bend one hundred and thirty-five degrees (135°) with inner radius not to exceed twice the thickness of the piece tested. When nicked and bent the fracture shall show at least ninety (90) per centum fibrous.

Cast Iron.

True to Pattern—Tests.

Section No. 230. All castings shall be true to pattern, out of wind and free from injurious imperfections. They shall be of a good quality of tough gray iron made by the cupola process. Sample test pieces, cylindrical in shape, one and one-quarter (1¼) inches in diameter, and fifteen (15) inches long, cast under the same circumstances as those which attended the casting of the full-sized piece, shall sustain at the centre, when resting upon two dull knife edges twelve (12) inches apart, a load of three thousand (3,000) lbs. with a deflection of at least one-tenth (1/10) of an inch before rupture.

Workmanship.

Quality.

Section No. 231. All workmanship shall be first class. All parts exposed to view shall be neatly finished. All nuts on the finished structure shall be hexagonal.

Rods, Deformed Sections.

Section No. 232. Rods and bars to be used for reinforcing concrete shall be deformed as approved by the Engineer; plain bars will not be used.

Bent Rods and Bars.

Section No. 233. Bent rods and bars and other bent material shall be bent hot and annealed, except that obtuse bends in material less than one square inch section may be made cold when permitted by the Engineer. The bending shall be done before the material is delivered on the work. Except in special cases, all bends shall be made uniformly to template.

Material Straightened in Shop.

Section No. 234. All material shall be straightened in the shop before being worked in any way.

Holes Accurately Spaced.

Section No. 235. All holes shall be accurately spaced and punched. Unfair holes shall be reamed to exact match; drifting to enlarge the holes will not be allowed. Poor matching of holes will be cause for rejection.

Size of Punch.

Section No. 236. In punching, the diameter of the punch shall not exceed by more than one-sixteenth (1/16) of an inch, the diameter of the rivet to be used, and the diameter of the die shall be as small as may be required to punch a clean hole. When the material is to be sub-punched and reamed, a punch of diameter three-sixteenths (3/16) of an inch smaller than specified above shall be used, and all reaming shall be done after the material is assembled, with twist drills of one-sixteenth (1/16) of an inch greater diameter than the rivet to be used.

Sub-Punching and Drilling.

Section No. 237. All material over seven-eighths (⅞) of an inch thick shall be drilled from the solid. Material over five-eighths (⅝) of an inch and not exceeding seven-eighths (⅞) of an inch in thickness shall be sub-punched and reamed. All other material may be direct punched.

Sheared Edges.

Section No. 238. Sheared edges of material exceeding five-eighths (⅝) of an inch in thickness, to be used in main members shall be planed at least one-eighth (⅛) of an inch.

Burrs Removed.

Section No. 239. All burrs shall be removed, and the members shall have all parts firmly drawn together with bolts before reaming or riveting is commenced.

Riveting.

Section No. 240. Rivets when driven shall completely fill the holes, and shall be machine driven wherever possible. They shall have full concentric heads or they shall be countersunk when so required. Rivet heads shall not be flattened to less than half the diameter of the rivet on the line of the shank unless countersunk.

Use of Bolts.

Section No. 241. Generally the use of bolts instead of rivets will not be permitted, but when used in special cases the holes shall be reamed parallel, and the bolts turned to a driving fit.

Templates.

Section No. 242. All holes for field rivets, excepting those in connections of lateral and sway bracing, shall be sub-punched and accurately drilled to an iron template, or reamed and match marked while the connecting parts are temporarily assembled in the shop. In case of splices of upper chords or other compression members, the abutting members shall be brought to a forcible contact.

Finished Members.

Section No. 243. Finished members shall be true and free from kinks, twists or open joints. Ends of floor beams and stringers shall be finished square and true.

Rods Upset.

Section No. 244. Rods and bars which are to receive a thread shall be properly upset. Where threads are cut on steel, they shall be properly filleted.

Annealing.

Section No. 245. Steel, except in minor details, which has been partially heated, shall be properly annealed. All steel castings shall be annealed.

Abutting Surfaces Faced.

Section No. 246. All abutting surfaces, except flanges of plate girders, shall be neatly planed or faced perpendicular to the direction of the strain, so as to insure even bearings.

Stiffeners.

Section No. 247. Stiffeners of plate girders shall fit neatly against the flange angles. Web splice plates and fillers under stiffeners shall be cut to fit within one-eighth (⅛) of an inch of flange angles.

Pins and Rollers.

Section No. 248. Pins and rollers shall be turned accurately to a gauge, and shall be of full size throughout. All pin-holes shall be bored truly and at right angles to the axes of the members to be connected, and shall fit the pins with a play not exceeding one thirty-second (1-32) of an inch.

Bed Plates Planed.

Section No. 249. Bed plates shall be planed. The bottom of the shoes shall be planed exactly parallel to the center line unless otherwise shown. The cutting of the planing tool shall be in the direction of expansion.

Details Boxed.

Section No. 250. Nuts, bolts, rivets and other details shall be boxed.

Weight Marked.

Section No. 251. The weight of every piece and box shall be plainly marked upon it.

Inspection.

Section No. 252. Free access and information shall be given by the Contractor for a thorough inspection of material and workmanship, with proper office facilities.

Mill Orders in Triplicate.

Section No. 253. The Engineer shall be furnished copies in triplicate of all mill orders, and no material shall be rolled nor work done before the Engineer has been notified so that he may arrange for the Inspector.

Contractor Responsible.

Section No. 254. The Inspector shall make detailed reports of his inspection to the Engineer and may notify the Contractor of any defects in the material or workmanship, but all acceptances made by him shall be considered temporary, and his inspection shall in no way relieve the Contractor of full responsibility for the character and accuracy of the work until its completion and final acceptance by the Engineer.

Errors in Plans.

Section No. 255. The Contractor shall be responsible for all errors which can be discovered by checking or examining the plans.

Chemical Analysis.

Section No. 256. Chemical determination of the percentage of carbon, phosphorus, sulphur and manganese shall be made by the manufacturer from a test ingot, so taken, during the casting of each melt of steel, as to fairly represent the melt. Two copies of such analysis shall be furnished to the Engineer or his Inspector.

Check Analyses.

Section No. 257. Check analyses shall be made, at the discretion of the Engineer, of the finished material, on drillings from pieces selected by the Inspector from parts suspected of being most highly segregated. These analyses shall not show a variation above the ladle analysis of more than twenty-five (25) per centum for phosphorus, nor more than fifty (50) per centum for sulphur. The analyses shall be made by a chemist designated by the Engineer.

Contractor to Make Tests.

Section No. 258. The Contractor shall furnish, without extra charge, such standard test pieces as may be necessary to determine the uniform quality of the material and also the use of a reliable testing machine, with necessary labor for testing.

Inspector's Office.

Section No. 259. The Contractor shall furnish for the use of the Inspector a suitably equipped office at the mills and at the shops.

Loading and Shipping.

Section No. 260. All parts shall be carefully loaded and protected from injuries during transportation by such means as will be satisfactory to the Inspector. After delivery of materials at the work the Contractor will be required to store the same on skids at least twelve (12) inches above the ground and to keep the same in good condition. Any piece showing injurious effects of rough handling at any stage until the final acceptance of the work may be rejected.

Payments for Steel and Cast-Iron.

Section No. 261. The prices to be paid for steel and cast-iron are as herein provided in Schedule Items 19, 20, 21, 22, 23 and 24. These prices include the cost of the material delivered and erected in the work, with the exception of Item 23, the placing of which is provided for in Item 22. These prices are to include also the cost of all necessary cleaning and painting (where painting is required) and of all other incidental work. The quantity of metal to be paid for shall be the number of pounds actually placed in accordance with the drawings or orders.

Miscellaneous Castings.

Section No. 262. For other castings, not included in the above and not including castings for sewer work or pipes, payment will be made as provided in Schedule Item 25.

Wire Mesh.

Section No. 263. Wire mesh, of a character and weight to be approved by the Engineer, is to be furnished and placed around the lower flanges of the roof girders, and at other places as may be required, in order to hold the concrete in place.

Wire Mesh, Payment For.

Section No. 264. Wire mesh, wherever used, will be paid for as stipulated in Schedule Item 26, which price is to include the material in place and all work necessary and incidental thereto.

17

Painting.

Section No. 265. All metal work, excepting as otherwise herein provided, shall be painted with three coats of paint, including the shop coat, of kind and quality approved by the Engineer. Lead or carbon paint will generally be required.

Shop Coat.

Section No. 266. All iron shall be scraped free from scale, and receive one coat of red lead paint as herein specified before leaving the shops. All surfaces which come in contact or are enclosed shall be painted before being assembled. All turned or faced surfaces shall receive a coat of white lead and tallow before leaving the shops.

Quality of Red Lead.

Section No. 267. The red lead shall be strictly pure, and shall contain at least 80 per cent. of "true lead" ($Pb^3 O^4$). The color shall be a clean pure tint. The red lead shall be of the fineness that when washed with water through a No. 19 silk bolting cloth, not more than 1 per cent. shall be left on the screen.

Quality of Linseed Oil.

Section No. 268. The linseed oil must be absolutely pure, fully aged and ripened, well settled oil. It shall be perfectly clear on receipt, and after heating to 212 degrees Fahr. on a current of hydrogen, shall not show a deposit of foots nor a loss of over 0.4 per cent. for raw oil, nor over 0.2 per cent. for boiled oil. The specific gravity at 60 degrees Fahr. for raw oil shall be between 0.932 and 0.937, and for boiled oil between 0.936 and 0.940.

Original Packages.

Section No. 269. All material shall be delivered, inspected and sampled in original packages.

Proportions in Mixture.

Section No. 270. Red lead paint shall be mixed in the proportion of 500 lbs. of red lead to 5½ gallons of boiled linseed oil, and 11 gallons of raw linseed oil.

Damaged Shop Coat to be Renewed.

Section No. 271. Where the shop coat has become damaged before or after erection, through any cause whatever, it shall be renewed with the same kind of paint as originally used, such renewal to be considered only as a part of the original shop coat. If the Engineer so directs on members or parts of members buried in concrete the shop coat will be omitted.

Structural Steel and Rods.

Section No. 272. Structural steel and rods to be imbedded in concrete shall be protected from the weather before being put in place, and shall be cleaned and scales removed but not painted before being incased in the concrete.

Second Coat Carbon Paint.

Section No. 273. The second coat of paint shall be a carbon paint approved by the Engineer. It shall be applied after erection, but not until the metal has been cleaned from dirt or other objectionable matter that may be found thereon.

Metal to be Cleaned After Erection.

Section No. 274. After erection the metal shall be thoroughly cleaned of all dirt, rust or scales by stiff wire brushes or sand blasts, as directed, and afterward dusted and thoroughly and evenly painted as described above. No paint shall be applied until the cleaning has been passed upon by an Inspector.

Third Coat.

Section No. 275. Between stations the exposed members shall be given a third coat, which shall be a carbon paint of a color and quality approved by the Engineer.

Third Coat When Applied.

Section No. 276. The third or finishing coat shall be applied to all exposed surfaces of the metal after its erection, and after a completion of the masonry or other work; it shall be applied at such time after such completion and before the final acceptance of the work as in the judgment of the Engineer may be advisable. The several field coats shall be sufficiently tinted to be distinctive.

Surfaces in Contact.

Section No. 277. Surfaces of exposed members inaccessible after erecting shall be cleaned and painted before erecting.

Recesses, etc.

Section No. 278. All recesses that might contain water, or through which water could enter, must be filled with thick paint or a waterproof cement of ground skins before receiving final painting.

Section No. 279. All surfaces so close together as to prevent the insertion of a brush must be painted thoroughly by using a piece of cloth, if necessary.

Rainy or Freezing Weather.

Section No. 280. No painting in rainy or freezing weather or on wet surfaces will be permitted.

Payments.

Section No. 281. Payment for painting is included in the prices for steel and iron.

18

Ducts and Conduits.

Vitrified Ducts—Quality and Size.

Section No. 282. The ducts to contain cables for transmitting electricity shall be manufactured of the best clay, thoroughly mixed, burnt and vitrified, sound in all respects, straight and free from soft spots, stones, cracks or blisters liable to impair their strength or durability; in lengths generally of from eighteen (18) to thirty-six (36) inches, shorter lengths shall only be used as directed; generally in four-way form with circular holes, the diameter to be such as to pass a mandrel three and one-half (3½) inches in diameter; one, two or three-way ducts shall be used in special cases as determined by the Engineer. The interior surface of the holes to be smooth and clear of warts, tits, pits or blisters, which may tend to injure the electric cable in pulling the same through the duct. The ends to be cut smooth and at right angles to the axis of the duct and beveled on inside for three-quarters (¾) of an inch.

Thickness of Ducts.

Section No. 283. The outside walls and webs of four-way ducts to be three-quarters (¾) of an inch thick; the outside dimensions of ducts to be not less than nine and one-quarter (9¼) nor more than ten (10) inches, and constructed square on outer lines; the dimensions of single, two-way or three-way ducts shall be consistent with the above.

Ends Combed.

Section No. 284. The ends of ducts to be combed with two (2) sets of three (3) combings each, each combing to have a width of one-quarter (¼) of an inch and a depth of one-sixteenth (1-16) of an inch.

Glaze.

Section No. 285. The inside and outside of ducts to be thoroughly glazed in the most approved manner with good salt glaze.

Inspection.

Section No. 286. All ducts to be subject to inspection, both at the place of manufacture and on the work. All rejected ducts to be promptly removed by the Contractor at his expense.

How Laid.

Section No. 287. The ducts shall be laid in beds of cement mortar about one-quarter (¼) of an inch in thickness, with broken joints and with full bearing. Two (2) strips of thick unbleached muslin six (6) inches wide, and coated with neat cement mortar, shall be used to wrap each joint, the ends of the wrap to lap six (6) inches. The muslin shall be not less than 56 x 60 count, weight not less than four (4) ounces to the yard and width thirty-six (36) inches. In laying the ducts care must be taken to close abutting joints so that practically the end of ducts shall be in contact on all sides. Where ducts are laid on curves, the wraps must be doubled if required, to protect the openings between the ends of the ducts on the outer line of the duct and to exclude all mortar from duct openings.

Mandrels.

Section No. 288. The ducts shall be laid with a linked mandrel of the length and diameter to be prescribed, the same accurately fitting the duct openings, the mandrel to be left in each duct until the next succeeding duct is laid.

Dowel Pins.

Section No. 289. The ducts shall be laid with dowel pins, at least two pins on the opposite sides horizontally.

Laid to Line.

Section No. 290. The ducts shall be so laid that the centre of the holes shall be true to line and grade.

To be Rodded.

Section No. 291. After the ducts are laid, and sufficient time is given to allow the mortar in beds to set, they shall be rodded; all mortar or other foreign matter must be cleaned from the duct openings, leaving a clear and smooth opening. If obstructions are found in rodding the ducts which cannot be removed by cleaners, so as to give a clear and smooth opening sufficient to pass a three and one-quarter (3¼) inch mandrel, the ducts shall be removed and relaid; all ducts, during construction and after being rodded, shall be plugged with suitable plugs, to be furnished by the Contractor. If wooden plugs are used they shall be immersed in water for at least eight (8) hours before being put in place.

Measurement and Payment for Vitrified Ducts.

Section No. 292. Tunnel ducts shall be paid for per duct foot in place at the price herein stipulated for tunnel ducts, Schedule Item 18, which price shall include the cost of furnishing, laying, rodding and all the material and work incidental thereto. The tunnel ducts to be provided under Schedule Item 18, shall include only those intended solely for the purpose of the operation of the Railroad.

Duct Manholes.

Section No. 293. Duct manholes shall be built at the sides of the Railroad in connection therewith and as indicated on the plans. These manholes shall be generally at intervals of about three hundred feet, and shall be on either or both sides of the Railroad as necessary, in accordance with the location of the duct lines. They may vary in form as may be necessary to accommodate the work to local conditions.

Duct Manholes at Stations.

Section No. 294. Duct manholes will be built at the ends of the stations to provide for the passage of the ducts under the station platforms, and if found necessary on account of the lengths of stations, additional manholes will be constructed under the platforms.

Section No. 295. At manholes the ducts will be laid to conform to the special conditions.

Section No. 296. In all work where iron pipe or fibre conduits are installed for a part of their length in the structure and for another part as open construction, the ends

of such runs shall be carried outside of said structure as open construction and shall terminate in outlet or junction boxes located by the Engineer.

Section No. 297. The iron pipe or fibre conduits required by Section No. 296 will be built mainly in the walls, roofs or other parts of the stations; portions, however, of the runs will be left exposed, to be covered later by the station finish work.

Quality of Iron Pipe Conduit.

Section No. 298. All iron conduit used for any purpose in connection with the work herein shall be of the best grade (Galvaduct or equal) standard weight wrought iron or steel piping, protected inside and out by a coat of zinc or enamel. It shall be delivered to the work in bundles of full length pipes, each length marked with the trade-mark of the manufacturer. It shall bend cold 90 degrees about a radius equal to ten diameters without signs of flaw or fracture in either pipe or enamel.

Installation.

Section No. 299. All conduits shall be carefully cleaned before and after erection, and all ends shall be reamed free from burrs, and inside surfaces shall be free from all imperfections liable to injure the cable.

Joints Water-tight.

Section No. 300. All joints shall be made with standard couplings, well treated with red lead, and screwed up to make a water-tight job.

Fibre Conduits, Quality, Laying, etc.

Section No. 301. All fibre conduit shall be made of impregnated fibre equal to that manufactured by the Fibre Conduit Company of Orangeburg, New York.

It shall be of uniform thickness, having walls of not less than one-quarter (¼) inch and true cylindrical holes not less than two (2) inches in diameter. Lengths shall be not less than five (5) feet, and all ends shall be finished.

All joints shall be made by suitable finished sleeves fitting closely over the ends of the conduit and made water-tight by making up with an approved bituminous compound.

After laying, all ducts shall provide a clear, true opening, free from obstructions and imperfections in any way injurious to the wires to be installed. All ducts shall be rodded and cleaned with an approved mandrel not less than one and three-quarter (1¾) inches in diameter and eighteen (18) inches long.

Built in Concrete, etc.

Section No. 302. Conduits built into concrete or other parts of the structure shall be properly protected and supported, so that the same shall not be injured by the building operations.

Not Built in Concrete.

Section No. 303. Conduit not built into the structure shall be supported by approved pipe straps located not more than eight feet apart, or in any other manner designated by the Engineer, and they shall be kept boxed or otherwise suitably protected from injury.

Bends and Offsets.

Section No. 304. Bends and offsets may be made in the field if proper tools are used, but in no case shall deformed, split or crushed conduit be erected. Not more than two right angle bends shall be made between any two outlet boxes without special approval of the Engineer.

Measurement and Payment.

Section No. 305. Measurements for the above iron pipe or fibre conduits shall be per linear foot of single conduit placed in the work—in accordance with the requirements—and payment for the same shall be as herein stipulated in Schedule Item 32.

Outlet and Pull Boxes and Payment for Same.

Section No. 306. All outlet and pull boxes shall be made of cast iron, with openings threaded for the conduit ends, and conduits shall be screwed into these openings and made up with red lead to effect a water-tight joint. Covers shall be of cast iron and water-tight, and no other boxes or covers shall be used except under special permission of the Engineer. The price for each cast iron outlet box furnished and placed in the work shall be as herein stipulated in Schedule Item 33.

Drains and Pumps.

Railroad to be Drained.

Section No. 307. Every part of the Railroad, the stations and appurtenances connected therewith, must be arranged so far as possible that any water finding access thereto will be led away automatically to the City sewers.

Section No. 308. Where the Railroad is on an inclined gradient, and is constructed in dry, porous soil, the floor of the Railroad may be depended on to act as a conduit. At the bottom of the inclined gradient connections must be made with a sewer or with sub-drains lying beneath the Railroad and draining into the sewers.

Sub-drains.

Section No. 309. Along such parts of the work where the soil is not porous, or where the floor of the Railroad cannot, in the judgment of the Engineer, be used as a conduit, there shall be laid, beneath the rail level and on a continuous descending gradient, drain pipes of vitrified salt-glazed stoneware, of the quality described in these specifications for sewer pipe. These drain pipes shall be of such diameter not exceeding fifteen (15) inches, as the Engineer may direct, and there shall be one (1) such drain for each two (2) tracks. Each drain shall be laid in the concrete or directly in the soil with tight or open joints, as directed, and in such manner and in such position as, in the opinion of the Engineer, local circumstances require.

Connections and Cross Drains.

Section No. 310. Where drain pipes connect with the City sewers, the junction shall be protected by suitable traps, and back-pressure valves or gate valves where necessary, to prevent back rush of water or gas from the sewers. Connections with the Raiload shall be as necessity demands and all as directed by the Engineer. Cross drains to connect with the main drains will be placed at such places and in such manner as the Engineer shall direct; also vertical drains at the sides of the Railroad. These drains shall be of vitrified pipe or of cast iron, as directed.

Broken Stone for Drainage.

Section No. 311. Broken stone shall be placed for the purposes of drainage, as indicated on the plans or as required by the Engineer.

Sumps.

Section No. 312. At the low points of the grade of the Railroad where the same passes below the bottom of adjacent sewers there shall be constructed sumps connected with the subdrains or the floor of the Railroad. Such sumps must be watertight, with a capacity of not less than eight hundred (800) gallons each.

Pumps for Tunnel Drainage.

Section No. 313. Adjacent to each sump a suitable enclosure shall be provided in which two pumps shall be installed, each of which shall have ample capacity to remove all the water entering the sump at that point under ordinary conditions. These pumps shall each have a separate source of power, and shall be arranged to operate automatically. Under this contract the Contractor will only furnish the pump or pumps required and set them in place as directed, including the necessary pipe and drainage connections between the sumps and sewers.

The pumps shall be of the capacity required by the Engineer.

Capacity.

Section No. 314. If in the opinion of the Engineer the service requires it, each of these pumps shall be able to remove from the sump eight hundred gallons per minute.

Delivery to Sewers, etc.

Section No. 315. The delivery of such pumps shall be into the City sewers, and all piping, valves, etc., in connection therewith, shall be installed as a part of this contract.

Payment for Drains, Broken Stone, Pumps, etc.

Section No. 316. All drains shall be measured in place and the actual net length as laid for each class of drain will be paid for as herein provided in Schedule Item 17. The prices therein provided for each class of pipe will include providing and laying the pipe and all specials of any nature whatsoever such as bends, tees, wyes, handholes, etc., and all material necessary for jointing the same. Where back-pressure valves or gate-valves are required the cost of setting the same will be included in the above, but the Contractor will be paid in addition the actual net cost of such valves plus ten (10) per cent.

Section No. 317. For broken stone for drainage, furnished and placed, section No. 311 payment will be made as provided in Schedule Item 14.

Section No. 318. For pumps, section No. 313, the Contractor will be paid as provided in Article XII of the contract, not including, however, the pipe connections with sumps and sewers, which pipe will be paid for as hereinbefore provided in Schedule Item 17.

Soil Pipes for Stations.

Section No. 319. It will be necessary to lay soil pipes in the floors and walls of the stations. These pipes are to be cast iron, "extra heavy." They will be placed in positions as shown on the plans and will be paid for as provided in Schedule Item 34.

Sewers.

In Accordance with Plans and Specifications.

Section No. 320. All sewers and appurtenances shall be built of the materials, of the sizes and dimensions, on the lines and grades, at the depths, with the connections, and in the manner called for by these specifications and shown on the drawings.

Change of Location.

Section No. 321. If, in the opinion of the Engineer, it is impracticable during the progress of the work to construct any sewers, manholes, or other appurtenances, according to the contract drawings, owing to the presence of unknown sub-surface structures or other contingencies, the Contractor shall construct such sewers, manholes or appurtenances in the location given by and according to the directions of the Engineer.

General Clauses Apply.

Section No. 322. The general clauses in this contract relating to excavation, both in open trench and tunnel, backfilling, cement, mortar, masonry, waterproofing, piling, timber work of all kinds, care of streets and public places, maintenance of surface and sub-surface structures, protection of persons and property, repaving or restoring of the surface of the street or other public places, responsibility of the Contractor, authority of the Engineer to examine and condemn materials, and the power of the Commission and the Engineer in all or any other respects to enforce this contract, apply to the construction and reconstruction of sewers, water mains or pavements, unless specifically amended or exempted, both along the route occupied by the Railroad and elsewhere.

No Claims for Damages.

Section No. 323. Should postponement or delay be occasioned by the precedence of paving or other contracts, which may be either let or executed by the Borough President, Commissioner of Water Supply, Gas and Electricity, or other heads of departments, either before or after the execution of this contract, on the line of the work, no claims for damages therefor shall be made or allowed; nor shall any claim for damages be made or allowed in consequence of the street or the adjoining sewers not being in the condition contemplated by the parties at the time of making the contract, except that if the Contractor shall be delayed in the performance of his work by reason of the street or the adjoining sewers not being in such condition, an allowance of time may be given for the completion of the work as elsewhere provided in this contract.

Size of Trenches.

Section No. 324. The trenches for sewers and basin culverts both in earth and in rock, in streets along the route of the Railroad, shall have vertical sides and shall be six inches wider than the greatest external width of the sewer or its foundation on the side farthest away from the subway; and in other streets the trenches shall have vertical sides, and shall be six inches wider on each side than the greatest external diameter of the sewer, but shall be not less than three feet in width. They shall be excavated to the depth and to the form of the sewer or its foundation. Payments for excavation will be based on the requirements as above.

Limit of Trench Opening.

Section No. 325. Not more than one hundred (100) feet of trench in sewers off the line of the railroad shall be opend at any one time in advance of the sewer already completed, unless by permission of the Engineer, and for a distance specified.

Excavation Completed in Advance.

Section No. 326. The excavation of trenches shall be fully completed a sufficient distance in advance of the laying of the sewer, and the exposed end of the sewer shall in all cases be fully protected.

Trenches for Manholes and Receiving Basins.

Section No. 327. Where the foundation for a manhole or a receiving basin extends beyond the line of such manhole or receiving basin, the excavation required in earth shall be to the lines of the smallest rectangle enclosing the full dimensions of the exterior of the foundation, and shall have vertical sides to the surface, but it shall, in all cases, be six inches larger than the greatest external dimension of the manhole or receiving basin. In rock excavation, the trench shall be six inches larger than the greatest external dimension of the manhole or receiving basin, and shall have vertical sides to the surface.

Foundations.

Section No. 328. Where the ground does not afford a sufficiently solid foundation, the trench shall be excavated to such increased depth as the Engineer may deem necessary, and this extra depth, and all other irregularities in the bottom of the trench, shall be filled up to the required level and form, with such material, and in such manner, as the Engineer shall direct. If so directed, piles shall be driven and a timber or reinforced concrete foundation shall be constructed, as elsewhere provided in these specifications, to support the sewer.

Inspection of Grades.

Section No. 329. When the trench is properly prepared, and before laying any sewer, the Contractor shall notify the Engineer, who will, thereupon, cause the grades for the sewer to be tested, and if correct the sewer shall then be laid in the presence of a duly authorized inspector, and no construction work shall be done in his absence.

Trenches to be Kept Free From Water.

Section No. 330. The trenches shall be kept entirely free from water while the foundation and the masonry are being constructed or the sewer laid. In no case shall water be allowed to flow over the invert or foundation or through the sewer until the mortar is thoroughly set.

Tunneling.

Section No. 331. When tunneling for sewers shall be deemed advisable, it shall be done in a manner approved by the Engineer.

Gutter and Passageway to be Kept Open.

Section No. 332. At all times, gutters shall be kept open for surface drainage, and the streets and sidewalks shall be kept clear and free for the passage of carts, wagons, carriages and street or steam railroad cars or pedestrians, and as otherwise provided in these specifications.

Cross-walk, Side-walk and Roadway to be Kept Clear.

Section No. 333. Where any cross-walk or roadway is cut by the trench, it shall be temporarily replaced by a timber bridge with side railings, according to the direction and approval of the Engineer. The work shall at all times be conducted so as to cause as little inconvenience as practicable to the public.

Disposition of Paving Material.

Section No. 334. All curb, gutter, flagging, paving and macadam stones, necessary to be removed, which in the judgment of the Engineer are suitable to be used again, shall be stored in such places as the Engineer shall direct, or shall be removed as provided in these specifications; in all cases a passageway on the sidewalks and in the roadway shall be preserved free from needless obstructions.

Flow of Sewers to be Maintained.

Section No. 335. The Contractor shall provide for the flow of all sewers, drains and water-courses interrupted during the progress of the work, and shall restore and

make good all connections, and shall immediately cart away all offensive matter, in such manner and with such precautions as the Engineer may direct. All temporary house connections shall be made by closed iron pipes, with suitable provision for preventing leakage at joints. Wooden troughs for such connections will not be permitted.

Brick.

Section No. 336. In the construction of brick masonry none but the best quality of common brick burned hard entirely through, regular and uniform in shape and size and of compact texture, shall be used. They shall be culled as they are brought on the ground, and bats and bricks of improper quality are to be removed from the work. A limited number of bats may be used in manholes and closures, and in the outer ring of the sewers where more than two rings of bricks are required.

How Laid.

Section No. 337. The bricks shall be properly wet immediately before laying. Every brick is required to be laid in a full joint of mortar, made as described in these specifications, on its bed, end and side, at one operation. In no case is mortar to be slushed or grouted in afterward. The bricks shall be neatly and truly laid, every second course to line, and the joints to be carefully struck on the inside.

Racked Back or Toothed.

Section No. 338. All brick work, as it progresses, shall be racked back in courses, and in no case will it be allowed to be toothed, unless by special permission from the Engineer.

Brick or Stone Inverts.

Section No. 339. All inverts, or bottom curves, shall be formed from profiles accurately made according to the dimensions of the sewer, and correctly set according to the grades furnished. The masonry shall be allowed to set for twenty-four (24) hours before the arch is turned. Vitrified brick or granite paving blocks shall be used for the inner ring of the invert when required by the Engineer, and whenever so used they must be thoroughly jointed, so as to be water-tight along the inner surface of the sewer. The last course of the invert masonry below the springing line shall be laid as headers.

Brick Arches.

Section No. 340. The arches or upper curves shall be formed on strong centres of correct form, according to the sizes and shapes required, and keyed with stretchers in full joints of mortar. The extrados of the arch shall be plastered with mortar one inch thick, mixed in the proportion of one part of cement to two parts of sand. The centres shall not be removed or withdrawn in less than thirty-six hours, or until the work is thoroughly set, and until the filling in of the arch is properly put into place to a depth which is at least one foot above the crown of the arch. The centres in all cases shall be struck and not drawn, so as not to crack or injure the work. Should any crack or settlement appear in the arch after the centres are removed, so much of the work as the Engineer may require shall be taken down immediately and replaced.

Spurs.

Section No. 341. Vitrified or iron sewer pipes or spurs, equal in every respect to those described elsewhere in these specifications, and of a size required by the Engineer, but not less than six inches interior diameter with hubs moulded for house connections, and of sufficient length to project at least four inches beyond the exterior of the sewer, shall be built into the walls of brick sewers and at such an angle as indicated on the plan, or as the Engineer may direct.

How Built In.

Section No. 342. Spurs shall be built in wherever similar house connections exist in the present sewer which is to be reconstructed under this contract, but in no case shall the distance be more than twenty feet between spurs. In the case of the construction of new sewers where no sewers existed previously, except sewers under public parks or those crossing intersecting streets, they shall be built opposite each house, and where there are no houses, they shall be not more than fifteen feet apart on each side of the sewer or at such frequent intervals as local conditions may require. They shall be set so that their inner ends shall be flush with the inner face of the sewer, at such height in the walls as the Engineer may direct, and each pipe shall be sealed on the outside with an approved earthen-ware cover set in mortar.

Iron Chair Spurs.

Section No. 343. Where the sewers to be built under this contract will be at a depth greater than thirteen feet below the established grade of the street (or below the surface of the street where final grades have not been established), cast iron chair spurs, of the design shown on the drawings, not less than six inches in diameter and of the weight of extra heavy soil pipe, shall be used unless otherwise ordered by the Engineer. Where house drains are to be connected to these spurs, extra heavy soil pipe and fittings shall be used for the riser between the spur and the house drain. Where the spurs are provided for future connections, risers of extra heavy soil pipe shall be placed in each spur and shall be brought to a point thirteen feet below the established grade of the street, the end of which shall be sealed with an approved cover laid in cement mortar. The joints of this pipe shall be packed, leaded and caulked in accordance with these specifications for laying water-mains.

Under Station Platforms.

Section No. 344. Wherever the sewer passes under a station platform or other structure, extra heavy soil pipe shall be laid from the spur to the outside of such station or other structure, brought up to a point thirteen feet below the established grade of the street, caulked and sealed as provided above. All pipes passing under such structures shall be laid in concrete.

Concrete Sewers, Form, Dimensions and Materials.

Section No. 345. If, during the construction of the sewers, it is deemed advisable to interchange concrete and brick, the Contractor may, with the approval of the Engineer, build such sewers of either kind and quality herein specified.

Steel Bars Used if Ordered.

Section No. 346. Concrete sewers shall be reinforced with steel bars, if so indicated on the plans or directed by the Engineer.

Profiles and Inverted Centres for Inverts.

Section No. 347. Proper profiles for the concrete inverts shall be set up at the required distances, and the concrete for the bottom and invert of the sewer shall be deposited in place and rammed and worked down to the required shape. The concrete for the bottom and invert, if so directed, shall be placed in alternate lengths extending between every other pair of profiles, so that opportunity may be given to properly work the concrete in place.

Invert to be Protected.

Section No. 348. The concrete of the invert shall be protected during the progress of the work with planking, or by such other suitable methods as the Engineer shall direct and for so long a time as he may require.

Forms, Moulds, etc.

Section No. 349. Suitable forms or moulds, of the size and design to be approved by the Engineer, shall be provided by the Contractor to support the concrete of the side walls and roof while the same is being rammed into the permanent work.

Defective Work.

Section No. 350. If any voids, or irregular or defective work is discovered upon removing the forms or moulds, such voids or work shall be cut out and filled with a rich concrete or mortar mixed in such proportions and of such materials as provided elsewhere in these specifications.

Joints.

Section No. 351. No joints between different sections of the walls of a sewer shall, in any case, be a straight line, but shall always be stepped or toothed so as to give a broken joint in the manner to be approved by the Engineer.

Spur Pipes, Branches, etc.

Section No. 352. In so far as they will be applicable to sewers constructed of concrete, the provisions and requirements for spurs, branches, etc., in brick sewers shall be understood to govern in such construction.

Vitrified Pipe Sewers—Quality of Pipe.

Section No. 353. Pipe sewers shall be built of vitrified, salt glazed stone-ware pipe, with or without hub, as the Engineer may direct. The pipe shall be of the best quality, thoroughly and perfectly burnt, without warps, cracks or imperfections, well and smoothly glazed over the entire inner and outer surfaces and perfect in shape. The pipe shall be subject to all tests ordered in conformity with any requirements of the Bureau of Sewers of the Borough of Manhattan, at any time previous to its being used.

Thickness.

Section No. 354. The size of the pipes shall be designated by their interior diameters. Each pipe shall be a true cylinder, and of even thickness throughout, according to the following schedule:

6-inch pipes shall be not less than 5/8 of an inch thick;
8-inch pipes shall be not less than 3/4 of an inch thick;
10-inch pipes shall be not less than 7/8 of an inch thick;
12-inch pipes shall be not less than one inch thick;
15-inch pipes shall be not less than 1¼ inches thick;
18-inch pipes shall be not less than 1½ inches thick;
24-inch pipes shall be not less than two inches thick;
30-inch pipes shall be not less than 2½ inches thick.

Lengths.

Section No. 355. No pipe shall be less than two feet in length, and pipes of 12 inches, 15 inches and 18 inches in diameter shall be not less than three feet in length.

Curved and Split Pipes.

Section No. 356. When required, curved pipes shall be furnished and laid, curved to such a radius as may be required or as indicated on the plan of the work. No curved pipe shall exceed three feet in length. Split pipes shall be used when found necessary.

Hub and Spigot Pipe.

Section No. 357. In case the Engineer shall order hub and spigot pipe to be used, the hub shall have a depth of at least three (3) inches from its face to the shoulder of the pipe on which it is moulded, and shall have an interior diameter not less than one (1) nor more than two (2) inches greater than the exterior diameter of the pipe which is to be fitted into it.

Straight Pipe with Collars.

Section No. 358. In case the Engineer shall order pipe without hubs to be used, it shall be fitted with a collar of the same thickness as the pipe and not less than five inches wide. Each collar must have an internal diameter of not less than one-half inch nor more than one and one-half inches greater than the external diameter of the pipe to which it is to be fitted.

Spur Pipes.

Section No. 359. Pipes having spurs not less than six inches in diameter with hubs moulded thereon for house connections shall be furnished and laid at such points as indicated on the plan or as directed by the Engineer, and when not immediately used, they shall be sealed on the outside with approved vitrified earthenware covers set in mortar.

Risers.

Section No. 360. The provisions for risers on brick sewers shall also apply to pipe sewers.

Bends.

Section No. 361. Bends, siphons and special pipes shall be furnished and laid of the size and forms shown on the plans of the work, or as required.

Pipe Sewers, How Laid.

Section No. 362. All pipes shall be laid in concrete cradles of the required form and dimensions. The first layer of concrete shall be four inches thick, for the full width of the cradle, and after being thoroughly tamped shall be allowed to set for a period of not less than twenty-four hours. Upon the bed thus prepared, the pipe shall be laid true according to the lines and grades furnished. The ends of the pipes shall abut against each other and in such manner that there shall be no shoulder or unevenness of any kind along the bottom half of the sewer on the inside. Unless otherwise ordered, not less than fifteen feet of pipe shall be laid at any one time, in any one length of trench. The remainder of the concrete shall then be put in place and shall be exposed for at least twenty-four hours for inspection, as required for the bottom course.

Jointing Hub and Spigot Pipes.

Section No. 363. When hub and spigot pipes are used, the lower half of each hub shall be plastered on the inside with a layer of cement mortar mixed in the proportion of one part of cement to one part of sand and of a sufficient thickness to bring the inner surface of the abutting pipes flush and even with the established flow line. After the pipes are fitted, the space between the inside of the upper half of each hub and the outside of the entering pipe shall be filled with cement mortar mixed as above specified, and the outside of the joint shall be thoroughly sealed with the same kind of mortar and the joints carefully wiped inside and outside.

Jointing Pipes Without Hubs.

Section No. 364. When pipe without hubs is used, a collar or ring shall be used at joints and shall lap equally the ends of each abutting pipe. Such collar or ring shall consist of not more than three pieces, the largest of which shall be placed at the bottom.

Spaces Between Pipes Uniform.

Section No. 365. The space between the ring and the pipes shall be as uniform as possible and shall be thoroughly filled with cement mortar mixed in the proportions specified for hub and spigot pipe. The joints shall be carefully wiped and pointed inside and outside and all mortar that may be left on the inside shall be removed and the inside of the pipe left clean and smooth throughout.

Iron Pipe Sewers.

Section No. 366. Sewers of iron pipe, of quality and laid in the manner described elsewhere in these specifications for the laying of water mains, shall be laid wherever indicated on the plans or at such places as the Engineer shall direct.

Special Castings.

Section No. 367. Wherever such pipes are laid under station platforms or through vaults, they shall, when required by the Engineer, be provided with special castings for manholes, which shall be fitted with a cover bolted on so as to make an air-tight joint, according to the plans to be furnished by the Engineer.

Ventilators.

Section No. 368. Whenever, in the opinion of the Engineer, it becomes necessary to provide ventilation for sewers under station platforms or other structures, iron pipe shall be laid from the sewer to the surface of the street and fitted with proper gratings according to the plans to be furnished by the Engineer.

Connections.

Section No. 369. All existing sewers, culverts, drains and house connections intercepted by the proposed sewers, culverts or receiving basins shall be connected with the new work by proper curves and grades and in such manner as the Engineer shall direct; and all drains, basins or culverts rendered unnecessary or becoming disused by the work herein contemplated shall be filled in and made solid with good wholesome earth in the manner directed. Provision shall also be made for the connection of future sewers or basins by constructing brick spurs or inserting vitrified pipe at the points indicated on the contract drawings and at other points as the Engineer may direct. These connections shall be closed with bulkheads not less than eight inches in thickness and of the quality specified for brick masonry.

Fresh Work to be Protected.

Section No. 370. All fresh work shall be carefully protected from injury in every way. No wheeling or walking will be allowed on it and any portion injured must be relaid by the Contractor; no walking or working over the pipes after they are laid, except as may be necessary in tamping the earth and refilling, will be allowed until there is at least two and one-half feet of earth over them.

Pipes to be Kept Clean.

Section No. 371. The interior of pipe sewers shall be carefully freed from all dirt, cement and superfluous material of every description as the work progresses, for which purpose a disc, mould or plate, attached to a rod sufficiently long to pass two joints from the end of the pipe last laid, shall be continuously worked through.

Exposed Ends of Pipes to be Protected.

Section No. 372. The exposed ends of pipe sewers shall, in all cases, be protected with a board or other stopper carefully fitted to the pipe, to prevent earth or other substances from washing in, and in no case shall brick or stone be used for that purpose.

Manholes.

Section No. 373. The masonry of manholes shall be carried up so that the top of the iron head when set shall be at the level of the established grade of the street at that point or to such height as the Engineer may direct, and from templates correctly made and set at top and bottom, between which not less than eight lines shall be drawn. Where manholes are not built to the established grade of the street, they shall be covered, when necessary, by selected bluestone slabs, eight inches in thickness, to support the manhole heads. All joints shall be neatly struck and pointed on the inside. Each manhole shall be plastered thoroughly on the outside with cement mortar one inch in thickness, mixed in the proportion of one part of cement to two parts of sand.

Foundations.

Section No. 374. The foundations for manholes shall be of concrete or masonry of the kind indicated on the plans and shall be not less than twelve inches below the invert elevation of the sewer, except as otherwise indicated on the plan. When foundation additional to that indicated on the plan is required, it shall be built as directed by the Engineer.

Section No. 375. Sewer pipes shall be built in and trimmed, when necessary, so as to be flush with the inner face of the manhole, and an arch, laid in cement mortar, shall be turned over the pipe.

Vitrified Bricks or Granite Blocks.

Section No. 376. The invert shall be built of vitrified brick, granite blocks or concrete masonry, as indicated on the contract drawings.

Use of Bats.

Section No. 377. A reasonable number of bats not smaller than half bricks may be used in the construction of manholes or receiving basins, provided all interstices are thoroughly filled with mortar.

Steps.

Section No. 378. Standard steps of good quality of galvanized wrought iron, of the size, length and shape required for steps, shall be built into the interior sides of all manholes at a distance apart of not more than fifteen (15) inches vertically and they shall be so arranged that the lowest step shall be not more than two feet above the bench at the bottom of the manholes nor more than two feet above the invert of the sewer where there is no bench. Each manhole head shall be cast with a wrought iron step on the inside, when directed by the Engineer.

Bluestone.

Section No. 379. Hammer-dressed bluestone shall be furnished and laid of the form and thickness required as indicated on the plans or as otherwise directed.

Manhole Head and Cover.

Section No. 380. A cast-iron manhole head and cover of the quality specified for cast-iron, and except in special cases, of the pattern adopted by the President of the Borough in which the work is located, and in dimensions, weight and all other respects satisfactory to the Engineer shall be fitted on a bed of mortar to each of the above described manholes. Manhole heads and covers which do not conform to these specifications shall be at once removed from the work.

Perforations.

Section No. 381. Covers to be used on manholes in the street shall be perforated. Those used on sidewalk manholes shall be tightfitting, without perforations.

Weights.

Section 382. Each manhole head and cover shall have its weight distinctly marked upon it with oil paint. The following shall be allowed as the minimum and maximum weights:

Street manhole head, 475 to 500 pounds;
Street manhole cover, 135 to 150 pounds;
Sidewalk manhole head, 300 to 310 pounds;
Sidewalk manhole cover, 100 to 110 pounds.

Noiseless Heads and Covers.

Section No. 383. When the pavement of the street is asphalt or wooden block, the manhole shall be fitted with a noiseless head and cover, to be approved by the Engineer, where new heads and covers are necessary.

Sealed Manhole Heads and Covers.

Section No. 384. All manholes in station platforms, vaults or other structures shall be provided with sealed manhole heads and covers according to the design indicated on the plans.

Emergency Manholes.

Section No. 385. Where a sewer crosses under the subway, emergency manholes shall be provided when directed by the Engineer and according to plans to be furnished by him.

Manholes to be Completed.

Section No. 386. Manholes shall in all cases be fully and completely built and fitted with their covers as the work progresses, and the sewers shall not be laid beyond or in advance of any uncompleted manhole.

Receiving Basins.

Section No. 387. Receiving basins shall be built as located on the plans or as the Engineer shall direct and in accordance with the plans to be furnished. Each portion of the basin shall be built of the size and materials designated on said drawings and shall be thoroughly plastered, both inside and outside, with cement mortar in the proportion of one part of cement to two parts of sand.

Foundations.

Section No. 388. The foundations for receiving basins shall be of concrete or masonry of the kind indicated on the plans and shall extend not less than twelve inches below the finished floor of the basin, except as otherwise indicated on the plans. When additional foundation is required, it shall be built as directed by the Engineer.

Stone Flooring.

Section No. 389. The flooring shall be of hammer-dressed North River bluestone flagging, not less than three inches thick, in not more than two pieces, and shall be well set in a full bed of mortar and rammed into place. The floor may be finished with cement mortar mixed in the proportion of one part of cement to one part of sand if so directed by the Engineer. The mortar shall be spread, while fresh, upon the concrete base and before the latter shall have reached its first set; it shall be in such quantity that after thorough manipulation it shall be one inch in thickness.

Head Stone and Gutter Stone.

Section No. 390. Where head stone and gutter stone are required they shall be of sound, durable granite of the dimensions indicated on the plan, hammer dressed to an even surface and cut to the satisfaction of the Engineer. Cast-iron basin heads and gutter pieces of the design indicated on the plans shall be set instead of the above when required.

Cast-iron Cover.

Section No. 391. A cast-iron cover of approved pattern weighing not less than eighty nor more than ninety-five pounds shall be fitted to the opening in the head stone.

Grate Bar.

Section No. 392. A grate bar made according to the plan shall be fastened solidly into the said head stone in the manner indicated.

Cast-iron Trap.

Section No. 393. A cast-iron trap of the form and dimensions indicated on the plan free from imperfections, and properly coated with coal pitch varnish shall be furnished and built into place as directed by the Engineer.

Joints.

Section No. 394. The joints shall be tightly fitted with an oakum gasket or with cement mortar if so directed.

Iron Steps.

Section No. 395. Galvanized iron steps of the same design required for manholes shall be built into the walls.

Culvert Pipes.

Section No. 396. The culvert pipe for connections with sewers shall be 12-inch vitrified pipe unless otherwise indicated on the plan, and of the kind and quality previously described, and shall be laid, in all cases, in a concrete cradle of the form and dimensions required for pipe sewers in accordance with the directions of the Engineer. In case it becomes necessary to connect any basin already built, with the work to be constructed, so much of such culverts as in the opinion of the Engineer, may be necessary shall be taken up and rebuilt or relaid with vitrified pipe, or brick as the case may be, in the manner described above and reconnected in a straight line from the basin to the sewer.

Flush Tanks.

Section No. 397. Automatic flush tanks of a type approved by the Engineer shall be built where indicated on the plans or where directed by the Engineer.

Waterproofing.

Section No. 398. Whenever, in the opinion of the Engineer, it is necessary to waterproof a sewer, chamber or receiving basin, or their appurtenances, it shall be done as indicated on the plans or as directed by the Engineer and in the manner described elsewhere in these specifications.

Mortar.

Section No. 399. All masonry shall be laid in Portland cement mortar of the quality described in these specifications. It shall be mixed in the proportion of one (1) part of cement to two (2) parts of sand, excepting as otherwise specially provided.

Concrete.

Section No. 400. All concrete for sewers shall be made in the proportions of one (1) part of cement to two and one-half (2½) parts of sand and four and one-half (4½) parts of stone of the quality described in these specifications.

Paving.

Section No. 401. On the completion of each section of one hundred feet of sewer, the sidewalks and roadways shall be restored as provided under the heading of "Street Surface and Park Surface Restored."

Permits for Connections.

Section No. 402. The Commissioner of Public Works shall have the right to connect any sewer or sewers with the sewers herein described or to grant permits to any person or persons to make connections therewith at any time before it is finally completed, and the Contractor shall not interfere with or place obstructions in the way of such person or persons as may be employed in building such new sewer or sewers or in making such connections. This is not to be construed, however, as permitting the introduction of storm water or sewerage into any sewer being constructed under this contract before its final completion.

Thoroughly Cleaned.

Section No. 403. During the progress of the work, and until the entire completion and final acceptance thereof, the sewers, drains, basins, culverts and connections shall be kept thoroughly cleaned throughout, and left clean, and the drainage of any old sewer that may be taken up or intercepted shall be provided for and taken care of by the Contractor, all at his own expense.

Payment for Sewers.

Section No. 404. Payment for sewers will be per lineal foot of sewer complete as herein provided in Schedule Items 37 to 74, both inclusive, except as hereinafter specifically provided. The price for each class of sewer is to include each and every item applicable thereto as herein given in Sections Nos. 320 to 403 of these specifications and as otherwise provided in the contract and as indicated on the plans; excepting as is hereinafter specially provided.

Excavation.

Section No. 405. In addition to the price per lineal foot for completed sewer, as above provided, excavation will be paid for at the prices herein stipulated in Schedule Items Nos. 2-A and 3-A (which prices shall include all the matters referred to in Section No. 99), on the basis of size of trench stipulated in Sections Nos. 324 and 327, excepting where the sewer is built by tunneling, in which case tunnel excavation will be paid for at the price herein stipulated in Schedule Item No. 5-A (which prices shall include all the matters referred to in Sections Nos. 109 and 112), on the basis of the net ordered lines of the sewer. Payment for street surface restored shall be as provided in Schedule Items 30-A or B.

Steel Beams and Reinforcing Rods.

Section No. 406. Where steel beams or reinforcing rods are required and ordered, such beams and rods will be paid for in addition to the price bid for the sewer and at the prices herein stipulated for furnishing and placing such material and all work incidental thereto, in Schedule Item 20 or 21.

Automatic Flush Tanks.

Section No. 407. Where automatic flush tanks are built as provided in Section No. 397 of the specifications they will be paid for as herein provided in Article XII of the contract.

Waterproofing.

Section No. 408. Where waterproofing is required and placed in accordance with Section No. 398 of the specifications it will be paid for at the prices herein stipulated for waterproofing, Schedule Item 15 or 16.

Siphons.

Section No. 409. Where inverted siphons passing under the subway structure are called for and built, they shall be considered as part of the regular subway construction from outside to outside of the sewer chambers or between points of departure from standard sewer construction, such limits being indicated on the plans; and payment for such siphons will be made in accordance with the various classes of work or material as are applicable thereto in the Schedule and at the prices therein stipulated for such items.

Cast-iron Pipe Sewers, etc.

Section No. 410. All cast-iron pipe sewers wherever built, and the parts, within the limits of the Railroad, or as indicated on the plans, of all other sewers crossing over or under the Railroad, will be paid for in accordance with the various classes of work or material applicable thereto in the Schedule and at the prices stipulated therein for such classes of work or material.

House and Drainage Connections.

Section No. 411. The cost of the maintenance, support or construction of all house or other drainage connections made necessary by construction under Sections Nos. 409 and 410 will be included in the prices for the several classes of work and material entering into such construction.

21

Requirements for Pipes.

Generally.

Section No. 412. Whenever it is necessary to relay any water main, all new material required for the same shall be of the quality and laid in the manner specified below, and subject to the various clauses of these specifications applicable thereto.

Pipes to be Cylinders.

Section No. 413. The pipes shall be circular cylinders, with the inner and outer surfaces concentric, and of the full interior diameter required.

Hubs and Spigots.

Section No. 414. The hub or socket and the spigot end shall be shaped in exact conformity with the standards of the Department of Water Supply, to be furnished by the Commission, and will be tested by circular gauges.

Section No. 415. The seat or shoulder of the socket and the end of the spigot shall be straight and even, and at right angles to the axis of the pipe, so as to make a smooth, tight joint. Special care will be required in making the sockets and spigots to conform to the drawings and all pipes will be rigorously inspected at these points. No pipe will be received whose eccentricity at either the spigot or socket ends, exceeds one-eighth (⅛) of an inch, or whose dimensions differ by more than one-eighth (⅛) of an inch from those required.

Section No. 416. The pipes shall be designated by dimensions of the interior diameter.

Section No. 417. Bands, lugs, buttons, or ribs shall, if required, be cast on the pipes, of such forms and dimensions as the Engineer may direct.

Length of Pipe.

Section No. 418. The straight pipe shall be twelve (12) feet long, exclusive of hub; other pipe as may be directed.

Section No. 419. All straight pipes shall be straight in the direction of the axis of the cylinder.

Thickness and Weights.

Section No. 420. The thickness of the pipes, branches and special castings shall correspond with the standards of the Department of Water Supply. The weight for straight pipe shall be approximately as follows:

60-inch pipes, 12,835 pounds each.
48-inch pipes, 8,270 pounds each.
42-inch pipes, 6,860 pounds each.
36-inch pipes, 5,305 pounds each.
30-inch pipes, 3,940 pounds each.
24-inch pipes, 2,660 pounds each.
20-inch pipes, 2,005 pounds each.
16-inch pipes, 1,475 pounds each.
12-inch pipes, 1,015 pounds each.
8-inch pipes, 580 pounds each.
6-inch pipes, 415 pounds each.

High Pressure Fire System.

Section No. 421. For high-pressure fire system standard spigot and grooves—The weights for straight pipes, with lugs, shall be approximately as follows, in pounds per length:

	Of 3 ft.	Of 4 ft.	Of 6 ft.	Of 12 ft.
8-inch	355	420	550	935
12-inch	615	745	1,000	1,765
16-inch	1,005	1,215	1,635	2,905
20-inch	1,475	1,795	2,425	4,320
24-inch	2,105	2,585	3,535	6,385

All requirements as to weights, laying, tests, etc., shall be in strict accordance with the standard requirements of the Department of Water Supply, Gas and Electricity.

Section No. 422. The thickness of the metal of the pipes and special castings will be tested by calipers after the castings have been freed from sand and cleaned.

Variations in Thickness.

Section No. 423. No pipe will be received when the thickness of metal is less by more than one-twelfth (1/12) of an inch than the thickness required by the standards.

Underweight.

Section No. 424. No straight pipe or casting will be received which weighs less than the weights above mentioned by more than five (5) per cent., for pipes 16 inches or less in diameter, or more than four (4) per cent. for pipes more than 16 inches in diameter. No special casting will be received which weighs less than the standard weight by more than ten (10) per cent. for pipes 12 inches or less in diameter, and eight (8) per cent. for larger pipes.

Straight Pipe Cast Vertically.

Section No. 425. All straight pipes shall be cast vertically, and all pipes 12 inches or more in diameter shall be cast with the hub end down.

Section No. 426. All the castings shall be made in such moulding-sand or loam as will leave the surface clean and smooth.

Castings, How Marked.

Section No. 427. All the castings shall have the year in which they are cast, the running number of the castings of the same size and form, the letters D. W. S., and the initials or name of the Contractor, and of the foundry where cast, cast on the outer side in raised letters of not less than two (2) inches in length and one-eighth (⅛) of an inch in relief, in such manner as the Engineer may designate; and in case any pipe shall be condemned, the letters D. W. S. shall be erased by the Contractor.

Quality of Cast-Iron.

Section No. 428. The metal of which the castings are to be cast (which shall be remelted in a cupola or air-furnace) shall be pig-iron, made without any admixture of cinder-iron, or other inferior metal, and shall be of such character as to make a pipe strong, tough and of an even grain, entirely free from uncombined carbon when seen under the microscope, and such as will bear, satisfactorily, drilling and cutting, and shall have a tensile strength of at least sixteen thousand (16,000) pounds to the square inch.

Section No. 429. The castings shall be free from scoria, sand holes, air bubbles, and other defects and imperfections.

Castings to be Clean.

Section No. 430. The castings shall be perfectly cleaned and no lumps shall be left on the inner surface of the barrels or sockets, or on the outer surface of the spigot end. The castings shall be subject to hammer inspection. Iron-wire brushes shall be used, as well as softer brushes, to remove the loose dust. No acid or other liquid shall be used in cleaning the castings.

Pipes to be Coated.

Section No. 431. Every pipe, branch and special casting shall be carefully coated inside and out with coal pitch and oil. Every casting shall likewise be entirely free from rust when the coating is applied. If the casting cannot be dipped immediately after being cleaned, the surface shall be oiled with linseed oil, to preserve it until it is ready to be dipped. No casting shall be dipped after rust has set in.

Pitch.

Section No. 432. The coal-tar pitch shall be made from coal tar distilled until the naphtha is entirely removed and the material mixed with linseed oil so as to make a smooth, tough and tenacious coating. Pitch which becomes hard and brittle when cold will not answer for this use.

Section No. 433. Pitch of the proper quality having been obtained, it shall be carefully heated in a suitable vessel to a temperature of three hundred (300°) degrees Fahrenheit, and shall be maintained at not less than this temperature during the time of dipping. The material will thicken and deteriorate after a number of pipes have been dipped; fresh pitch shall, therefore, be frequently added, and occasionally the vessel shall be entirely emptied of its old contents and refilled with fresh pitch.

Section No. 434. Every casting shall attain a temperature of three hundred (300) degrees Fahrenheit, before being removed from the vessel of hot pitch. It shall then be slowly removed and laid on skids to drip.

To be Inspected Before Dipping.

Section No. 435. No casting shall be dipped until the authorized inspector has examined it as to cleaning and rust, and subjected it thoroughly to the hammer test. It may then be dipped, after which it will be passed to the hydraulic press to meet the required water test. The proper coating shall be tough and tenacious when cold on the pipes, and not brittle or with any tendency to scale off.

Tests.

Section No. 436. The castings must be capable of sustaining a pressure, in the hydraulic press, of three hundred (300) pounds to a square inch, and any casting which shows any defect by leaking, sweating or otherwise, will be rejected. This test shall be made at the foundry, and at the expense of the Contractor.

Weighed and Marked.

Section No. 437. The castings shall be weighed, and the weight distinctly marked on the castings in white paint. The Contractor shall provide at the foundry where the pipes and castings are to be manufactured proper sealed scales and weights for weighing the castings, which shall be done at the expense of the Contractor, under the supervision of the inspector.

Blocking and Wedges.

Section No. 438. Each pipe over eight (8) inches inside diameter, unless otherwise ordered, shall be placed on two (2) blocks and four (4) wedges of hemlock timber, the wedges to rest on the blocks and the pipe on the wedges.

Timber for Blocking.

Section No. 439. The blocks and wedges shall be of sound hemlock timber; 48 and 36-inch pipe shall be laid on blocks 4 feet long, 12 inches wide and 6 inches thick, with wedges 18 inches long, 6 inches wide, 4 inches thick on one end and ½ inch thick on the other; 30 and 24-inch pipe on blocks 3 feet long, 10 inches wide and 5 inches thick, with wedges 15 inches long, 5 inches wide and 3½ inches thick on one end and ½ inch thick on the other end; 12 and 20-inch pipe on blocks 2 feet long, 8 inches wide and 4 inches thick with wedges 12 inches long, 4 inches wide, 3 inches thick on one end and ½ inch thick on the other.

Joints.

Section No. 440. The spigot end of the pipe shall be inserted into the hub to within from one-fourth (¼) to one-eighth (⅛) of an inch of the full depth of the hub, and the space around the pipe shall be equalized so as to give as nearly as possible an equal space for the packing. The space between the pipe and hub shall be packed with clean, sound jute packing yarn, free from tar, far enough to leave the proper space for lead. The remaining space shall then be filled by running it full of lead to a depth of four (4) inches, with a bead outside of the face of the hub large enough to allow for caulking, so that when the joint is properly caulked the lead will be flushed with the hub of the pipe. After the joint shall have been run with lead, it shall be caulked by means of proper tools, so as to make a water-tight joint.

Lead.

Section No. 441. The lead to be used shall be of the best quality of pure, soft lead, and in every respect suitable for the purpose.

Notice of Interruption to be Given.

Section No. 442. In case it becomes necessary to cut any connection with any other main, house or hydrant, or in any way to interfere with the continuous and normal flow of water, due notice shall be sent at least forty-eight (48) hours in advance to the Engineer and to the Commissioner of Water Supply, and the Contractor shall, if so ordered, make a temporary by-pass or other arrangement to preserve the flow of water while breaking connections.

Connections Interfered With.

Section No. 443. All connections cut, interfered with or injured shall be restored under the directions of the Engineer, without delay and in accordance with the rules and regulations of the Department of Water Supply governing such matters, to a suitable condition as good as existed before commencing work.

Stop Cocks, etc.

Section No. 444. Stop cocks, boxes, branches, curved pipe, and other specials according to the standards of the Department of Water Supply shall be set where necessary.

Section No. 445. For gas pipes, steam pipes, air pipes, mail tubes and any other pipes not herein enumerated, the standard weights and all other requirements shall be in accordance with the standard specifications and requirements of the several owners of such structures.

22

Street Surface and Park Surface Restored.

Pavement to be Restored.

Section No. 446. As soon as the structure in any excavation or trench made within a street shall be completed and the trench back-filled, a temporary pavement shall be laid and maintained in a condition satisfactory to the Engineer; and after the earth shall have become, in the opinion of the Engineer, sufficiently settled, the Contractor shall proceed to restore the surface to a condition similar to, and equally as good as, that existing previous to the commencement of construction; except that the Contractor will not be required to permanently restore the pavement of roadways between curb lines, but shall provide a temporary roadway pavement as follows:

Temporary Roadway Pavement.

Section No. 447. Upon the backfill, placed and compacted as provided under the clauses relating to backfilling, shall be placed a layer of sand, about an inch and a half in thickness, on which shall be laid a pavement of granite blocks carefully laid and rammed to the required finished grade of the street surface. The end and side joints shall be thoroughly filled with sand, and shall not exceed ¾ of an inch in thickness. The granite blocks required for this temporary pavement, if found in or under the orignal pavement, shall be stored at a suitable place until required for use. In case granite blocks are not found in or under the original pavement, they may be obtained by the Contractor, free of cost, from the Bureau of Highways at the corporation yards.

The Contractor shall maintain the temporary roadway pavement thus laid for a period not exceeding six months from the time of its completion in any one block or street intersection. During this period the Contractor shall, without requiring previous notice, readjust or relay any portion of the pavement wherever and whenever a straight edge 3 feet long, laid in any direction, shows a depression of more than ¾ inch.

All the requirements as to street surface restored, including temporary roadway pavements, shall apply to the trenches for sewers, pipes or other sub-surface structures along or off the line of the Railroad. Within the limits of private property to be taken by the City for the extension of Irving Place, these requirements will not apply.

Other Sidewalks May be Laid.

Section No. 448. Nothing contained in these specifications shall be understood or construed as prohibiting the Contractor from making any arrangement with any property owner to lay another style of sidewalk, or other surface covering within curb lines, in place of the sidewalk or other surface covering taken up; in which case the Contractor shall file with the Commission a copy of his contract with such property owner, duly acknowledged in writing by both parties.

In case any property owner desires to lay a sidewalk, or other surface covering within curb lines, affected by this contract, different from the one removed, and shall notify the Commission in writing that he has failed to make satisfactory arrangements for such work with the Contractor, then the Commission, in its discretion, may direct the Contractor to finish and dress off the filling over his work to such grade as the Engineer may select, and further direct him to remove from the area to be restored all material of whatever nature not required to be relaid, and to permit another contractor to lay such sidewalk or other surface covering; in which case the liability of the Contractor under this contract shall cease, as far as that part of his work is concerned, whenever the Engineer shall report to the Commission that the instructions of the Commission have been complied with, exactly the same as if the Contractor had fully completed the restoration as hereinbefore provided.

Payment For Street Surface Restored.

Section No. 449. Payment for street surface restored will be made as provided in Schedule Item 30-A or B, which prices shall include the cost of restoring all curbs, manhole heads and covers, gratings, vault lights, etc., that formed a part of the original street surface.

Measurements.

Section No. 450. The measurement for payment for street surface restored will be to the net line of ordered excavation.

Outside of Net Lines.

Section No. 451. All other pavement outside of the net lines of ordered excavation, either along or off the line of the Railroad, that may have become damaged, directly or indirectly, as the result of the Contractor's operations, shall be restored by the Contractor at his own cost and expense to a condition similar to and equally good as that existing previous to the commencement of construction.

Parks and Parkways.

Section No. 452. All parks and parkways including trees, shrubbery, etc., as elsewhere provided in this contract and the specifications, are to be restored to the satisfaction of the Department of Parks.

Measurements.

Section No. 453. Measurements for park surface restored are to be to the net lines of ordered excavation.

Payment For.

Section No. 454. Payment for park surface restored will be made at the price provided in Schedule Item 31.

Outside of Net Lines.

Section No. 455. Any damage done outside of the net lines of ordered excavation in connection with the construction of the work to park surfaces or growths, under the jurisdiction of the Department of Parks, shall be restored to the satisfaction of the said Department, and at the Contractor's own cost and expense.

Vault Lights, Gratings and Hand-Rails.

Vault Lights.

Section No. 456. The roofs of the stations where under sidewalks, parks or parkways, shall, to as great an extent as possible, consist of vault light construction. These lights shall be made with lenses, not exceeding three (3) inches in diameter, of strong glass set in cement; they shall be provided with non-slipping treads, buttons or other devices, all of design approved by the Engineer; and shall be of sufficient strength to carry, when supported in a manner similar to that in which they are to be permanently set, an equally distributed load of at least five hundred (500) pounds per square foot without signs of failure, deformation or permanent set, when such test load is removed. The right is reserved to test at least one (1) frame or panel in every ten (10), as selected by the Engineer. Should the one selected fail, another will be selected by the Engineer; and, if that fail, then the whole lot may be rejected. The vault lights must be set in place with cement, lead or other means to be absolutely waterproof. Any tests required shall be at the Contractor's expense.

Measurement and Payment.

Section No. 457. The area for payment for vault lights shall be to lines not exceeding one (1) foot outside of the inner faces of the supporting walls, and the price paid will be as provided in Schedule Item 29, which price shall include all material and work incidental to the completed vault lights in place.

Steel Gratings.

Section No. 458. Steel gratings shall be provided and placed over fan and other ventilating chambers, over stations and station approaches, at places shown on the plans, or at other places if required by the Engineer. They will be constructed as shown on the detailed plans for gratings.

Measurement and Payment.

Section No. 459. Gratings will be measured to the lines as constructed and payment therefor will be made as herein provided in Schedule Item 28, which price shall include the grating in place in the work, all frames and framing, and all incidental work.

Galvanized Iron Pipe Hand-rails.

Section No. 460. Galvanized iron pipe hand-rails will be placed in the Railroad over the benches containing the ducts. They shall be securely fastened to the wall of the tunnel by means of expansion bolts, and as shown on the contract drawings. Measurements for payment will be per linear foot of hand-rail in place in the work, complete, and at the price as stipulated in Schedule Item 27.

IV.

SECURITY TO BE FURNISHED BY CONTRACTOR.

Contractor's Bond.

Article XXVII. Simultaneously with the execution of this contract the Contractor shall give security for the performance of his obligation by filing with the Comptroller a bond in the form annexed hereto, entitled, "Form of Bond," executed by the Contractor and by two or more sureties to be corporations or persons approved by the Commission in the sum of seventy-five thousand ($75,000) dollars. In case any of the sureties upon the bond shall become insolvent or unable in the opinion of the Commission to pay promptly the amount of such bond to the extent to which such surety might be liable, then the Contractor within ten days after notice by the Commission to the Contractor shall, by supplemental bond or otherwise, substitute another and sufficient surety to be approved by the Commission in place of the surety so insolvent or unable. If the Contractor shall fail, within such ten days or such further time as the Commission may grant, to substitute another and sufficient surety, then the Contractor shall, for all the purposes of this contract, be deemed to be in default in the performance of his obligations hereunder and upon the said bond, and the Commission may terminate the contract or may bring any proper suit or proceeding against the Contractor and the sureties, or either of them, or may require to be deducted from any moneys then in, or thereafter coming into, the hands of the City and due to the Contractor the amount for which the surety insolvent or unable as aforesaid shall have justified on the bond; and the moneys so deducted shall be held by the Comptroller as collateral security for the performance of the condition of the bond.

Deposit of Cash or Securities.

*Article XXVIII. The Contractor may at his option deposit with the Comptroller in lieu of said bond or of any part thereof, an equal amount in cash or in value of securities. If securities be deposited they shall be securities of which a schedule shall be hereto annexed, entitled Schedule of Securities, and there shall be deposited with them the written approval of the Commission which it shall give when satisfied as to the character thereof. In case any of the securities so deposited shall, in the opinion of the Commission, at any time cease to be of the character of securities in which the savings banks of the State of New York are then authorized by law to invest moneys, or shall, in the opinion of the Commission, at any time become of less value than the value stated for it or them in the said schedule,—then within ten days after notice to the Contractor of the objection of the Commission, the Contractor shall either substitute therefor securities which shall be approved by the Commission as of the character aforesaid and as being of at least the value of the former securities to which the Commission shall have objected as such value was originally stated in the said schedule, or shall deposit with the Comptroller in cash the amount of such value of such former securities as so originally stated. In case the Contractor shall not within such ten days substitute such new securities, he shall, if the Commission so elect, be deemed to be in default in the performance of his obligations under this contract; and in addition to any and all other remedies against the Contractor or its sureties, the Commission may require the Comptroller to deduct from any moneys then due or which thereafter may become due to the Contractor under this contract, the amount of the original valuation of such securities objected to, and to hold such amount in lieu of such securities, as if part of the original deposit or as if deposited with the Comptroller as aforesaid, and such amount shall in such case be deemed to be paid to the Contractor upon the contract. The securities so objected to shall upon such substitution of securities or deposit of cash in lieu thereof be returned to the Contractor.

The City shall from time to time collect all interest, dividends or other profits or income on any securities deposited by the Contractor, and shall account for the same as hereinafter provided.

Security For.

Article XXIX. The said deposit, whether in cash or securities, in the form and as the same shall at any time be, shall be security for the faithful performance by the Contractor of all the covenants, conditions and requirements specified and provided for in this contract. In case of any default on the part of the Contractor in such performance, and in the further case that the City shall for or by reason of such failure, whether by reason of employment of another contractor of contractors or otherwise, incur or become liable for expense through such default as hereinafter provided, then the Comptroller shall forthwith pay or apply to the use of the City the amount of such expense out of the said deposit in cash or securities or out of the portion of the deposit remaining at the time.

Sale of Securities.

Article XXX. The Comptroller shall, upon the requirement of the Commission, in order to make such payment or application to the use of the City, sell at public auction in The City of New York any of the securities which may then constitute part of such deposit upon notice to be published in three daily newspapers, the first publication to be as much as ten days before the sale and such publication to be made three times within such ten days. Any such sale shall be adjourned from time to time if requested by the Commission. The Comptroller shall, upon the requirement of the Commission, deduct from the proceeds of any such sale, all expenses thereof and of such advertisement, and pay and apply to the use of the City so much of the residue of such proceeds as may be necessary for the purpose aforesaid. And the Contractor within ten days after notice from the Commission so to do shall (unless the time be extended by the Commission) by further deposit, according to the requirement of the Commission, of money or securities of the character aforesaid approved by the Commission restore the said deposit with the Comptroller to the full amount originally required. In addition to, or in lieu of, the sale above provided for, the Commission may, in the name of and in behalf of the City, bring any appropriate suit or proceeding in any proper court to enforce the lien and claim of the City in and upon the said deposit, whether such deposit be in money or securities.

Retention of Security.

Article XXXI. If at any time when the Contractor shall otherwise be entitled to a return of the said deposit, there shall be pending any claim for damages or loss caused to others by the negligence, fault, or default of the Contractor, for which it shall be claimed that the City shall be liable, then and in that case the said deposit, or such part thereof as the Commission shall prescribe, shall, upon the requirement of the Commission, be reserved by the Comptroller for a reasonable time as security to the City against such claims. And the amount of any such damages or costs paid by the City to others or for which the City shall be liable to others, shall be deducted from the said deposit before the same shall be returned to the Contractor as hereinafter provided.

On Completion of Works.

Article XXXII. When the Contractor shall have fully completed the Works according to the terms of this contract and the Commission shall so certify, the Comptroller shall pay and deliver to the Contractor the said deposit, or so much thereof as shall not have been reserved or used or applied for any of the purposes above mentioned, and the Contractor shall also then be entitled to the payment of a sum which shall be equal, as the case may be, either to the interest on the said deposit (if made in cash) from the time of such deposit at the average rate of interest received by the City on its bank balances during the period of such deposit, or to the interest, dividends or other income which the City shall have received from the said securities, together with interest on any such interest, dividends or other income so received by the City from such securities from the time of its receipt at the average rate of interest received by the City on its bank balances during the period of such deposit. If, however, any of the cash so deposited shall have been used or applied for any of the purposes above mentioned then the Contractor shall not be entitled to credit for interest on the amount of cash so applied from the time of such application.

Retained Percentages.

Article XXXIII. In addition and as further security there shall be deducted fifteen per centum (15%) of the amounts certified from time to time to be due to the Contractor until the amount so deducted and retained shall equal the sum of Three Hundred Thousand Dollars ($300,000). Thereafter there shall be so deducted and retained for such purpose ten percentum (10%) of amounts certified from time to time to be due to the Contractor.

V.

PAYMENTS TO CONTRACTOR.

Partial Payments.

Article XXXV. In order to assist the Contractor to prosecute the work advantageously, the Engineer shall, from time to time, as the work progresses, but not oftener than once a month, make in writing an estimate, such as in his opinion shall be just and fair, of the amount and value of the work done and materials incorporated in the work by the Contractor according to the terms of this contract (but it is understood that in making such estimates the Engineer shall not necessarily be governed by the unit prices contained in the Contractor's proposal), provided, however, that estimates may at any time be withheld or reduced, if, in the opinion of the Engineer, the work is not proceeding in accordance with the contract. The first such estimate shall be of the amount and value of the work done and materials incorporated in the work since the Contractor commenced the performance of this contract on his part. Every subsequent estimate except the final estimate shall be of the amount and value of the work done and materials incorporated in the work since the last preceding estimate was made, provided, however, that no such estimate shall be required to be made when, in the judgment of the Engineer, the total value of the work done and materials incorporated in the work since the last preceding estimate amounts to less than ten thousand ($10,000.00) dollars. The Engineer shall further include accepted structural iron and steel delivered on the site of the work, but not incorporated in the work, at the rate of forty ($40) dollars per ton of two thousand pounds. But the quantity of such structural iron and steel included in any partial estimate shall not exceed the quantity of such material, as determined by the Engineer, required for the ensuing six months, and any material included in a partial estimate which may subsequently become unsatisfactory shall be deducted from succeeding partial estimates. No materials not incorporated in the work, excepting such structural iron and steel, and none of the Contractor's plant shall be included in partial estimates.

Not by Strict Measurement.

Article XXXVI. Such estimates shall not be required to be made by strict measurement, but they may be made by measurement or by estimation, or partly by one method and partly by the other, and it shall be sufficient if they are approximate only.

Vouchers.

Article XXXVII. Upon each such estimate being made and certified in writing to the Commission, the Commission shall forthwith prepare and certify a voucher for eighty-five or ninety per cent. of the amount stated in such estimate or certificate to be the value of the work done and materials furnished as provided in Article XXXIII, and the City shall within thirty (30) days after the date of the certification of such voucher by the Commission pay the same; provided, however, that the City may at all times reserve and retain from said partial payments, or any of them, in

*Articles XXVIII to XXXII inclusive will form part of the contract only in case the Contractor elects to deposit cash or securities in lieu of a bond.

addition to the ten or fifteen per cent. above mentioned to be retained and reserved, any sum or all sums which by the terms hereof, or of any law of the State of New York passed prior to the date hereof, it is or may be authorized to reserve or retain.

Final Estimate.

Article XXXVIII. Whenever, in the opinion of the Engineer, the Contractor shall have completely performed this contract on his part, the Engineer shall so certify, in writing, to the Commission, and in his certificate shall state, from actual measurements, the whole amount of work done by the Contractor, and also the value of such work under and according to the terms of this contract. On the expiration of ninety (90) days after the acceptance by the Commission of the work herein agreed to be done by the Contractor, and the filing of a certificate of the completion and acceptance of the work in the office of the Comptroller, signed by the Engineer and the Commission, the City shall pay to the Contractor the amount remaining after deducting from the amount or value stated in the last-mentioned certificate, all such sums as shall theretofore have been paid to the Contractor under any of the provisions of this contract, and also any sum or all such sums of money as by the terms hereof the City is or may be authorized to reserve or retain; provided, that nothing herein contained shall be construed to affect the right, hereby reserved, of the Commission to reject the whole or any portion of the aforesaid work, should the said certificate be found, or known to be, inconsistent with the terms of this contract, or otherwise improperly given. All prior certificates upon which partial payments may have been made, being merely estimates, shall be subject to correction in the final certificate, which final certificate may be made without notice thereof to the Contractor, or of the measurements upon which it is based.

Interest in Case of Delayed Payments.

Article XXXIX. If the payment of the amount due the Contractor on any voucher shall be delayed beyond the time stipulated in Article XXX, in the case of partial payment, or Article XXXI, in the case of final payment, the City shall pay the Contractor interest on such amount at the rate of four and one-half (4½) per cent. per annum for the period of such delay; it being understood that such payments of interest, if any, are to be in lieu of any claim of the Contractor for alleged damages for breach of contract or otherwise in case of delayed payments. The term for which interest shall be paid shall be reckoned, in the case of a partial payment, from the thirtieth day after the certification of such voucher by the Commission, and in the case of a final payment from the ninetieth day after the acceptance of the work by the Commission, to the date of payment of the voucher. The date of payment of a voucher shall be considered the day on which the voucher is ready for payment as evidenced by the records of the Department of Finance. If interest shall become due on any partial payment the amount thereof, as determined by the Commission, shall be added to a succeeding payment. If interest shall become due on a final payment it shall be paid on a supplementary voucher prepared by the Commission and forwarded to the Comptroller for payment in the usual manner.

No Estoppel.

Article XL. The City shall not, nor shall any Department or officer thereof, be precluded or estopped by any return or certificate made or given by the Commission, any Engineer, or other officer, agent or appointee thereof under any provision of this contract, from at any time either before or after the final completion and acceptance of the work and payment therefor pursuant to any such return or certificate, showing the true and correct amount, quality and character of the work done and materials furnished by the Contractor or any other person under this agreement, or from showing at any time that any such return or certificate is untrue and incorrect or improperly made in any particular, or that the work and materials, or any part thereof, do not in fact conform to the specifications; and the City shall not be precluded or estopped, notwithstanding any such return or certificate and payment in accordance therewith, from demanding and recovering from the Contractor such damages as it may sustain by reason of his failure to comply with this contract or the specifications.

No Waiver.

Article XLI. Neither the acceptance of the Commission or its Engineer, or any of its employees, nor any order, measurement or certificate by the Engineer, nor any order by the Commission for payment of money, nor any payment for, nor acceptance of the whole or any part of the work by the Engineer or the Commission, nor any extension of time, nor any possession taken by the Commission, or its employees, shall operate as a waiver of any portion of this contract or of any power herein reserved to the Commission, or any right to damages herein provided; nor shall any waiver of any breach of this contract be held to be a waiver of any other or subsequent breach.

Final Payment to Terminate Liability of City.

Article XLII. The acceptance by the Contractor of the last payment aforesaid shall be and shall operate as a release to the City, from all claim and liability to the Contractor for anything done or furnished for, or relating to, the work, or for any act or neglect of the Commission, the City or of any person relating to or affecting the work, except only the claim against the City for the remainder, if any there be, of the amounts kept or retained as provided in this contract.

Contractor's Claims for Damage.

Article XLIII. If the Contractor shall claim compensation for any damage sustained by reason of the acts of the Commission, or its agents, he shall, within ten days after the sustaining of such damage, make a written statement of the nature of the damage sustained to the Engineer. On or before the fifteenth day of the month succeeding that in which any such damage shall have been sustained, the Contractor shall file with the Engineer an itemized statement of the details and amount of such damage, and, unless such statement shall be made as thus required, his claim for compensation may be forfeited and invalidated, and he shall not be entitled to payment on account of any such damage.

Lien Law.

Article XLIV. If at any time before or within thirty days after the whole work agreed herein to be performed and all the labor and material herein agreed to be delivered have been performed or delivered or completed and accepted by the City any person or persons claiming to have performed any labor or furnished any material toward the performance or completion of this contract shall file with the Commission and with the Comptroller of the City any such notice as is described in the Lien Law, the City shall retain until the discharge thereof from moneys under its control so much of such moneys as shall be sufficient to satisfy and discharge the amount in such notice claimed to be due, together with the costs of any action or actions brought to enforce such lien created by the filing of such notice.

VI.

Contractor's Liability for Injuries to Persons or Property.

Contractor Approves Plans as Involving no Damage.

Article XLV. The Contractor expressly admits and covenants to and with the City that the plans and specifications and other provisions of this contract, if the work be done without fault or negligence on the part of the Contractor, do not involve any danger to the foundations, walls or other parts of adjacent buildings or structures or to navigation; and the Contractor will at his own expense make good any damage that shall, in the course of construction, be done to any such foundations, walls or other parts of adjacent buildings or structures or to navigation. The liability of the Contractor under this covenant is absolute and is not dependent upon any question of negligence on his part, or on the part of his agents, servants or employees and the neglect of the Engineer to direct the Contractor to take any particular precautions or to refrain from doing any particular thing, shall not excuse the Contractor in case of any such damage. Where the work is required to be done by tunneling the same admission and covenant shall also apply to the foundations, walls and other parts of buildings and to any railroad track or structure, subway, street, conduit, pipe, sewer or other structure or surface over the tunnel. But this admission and covenant shall not apply to the foundations, walls or other parts of buildings or any part thereof acquired by the City and which the Engineer may determine should be razed.

Traffic to be Maintained.

Article XLVI. The Contractor shall during the performance of the work safely maintain the traffic on streets, avenues, highways, parks, waters or other public places as provided in the specifications, and shall take all necessary precautions to place proper guards for the prevention of accidents, and put up and keep at night suitable and sufficient lights.

Indemnification for Accidents, etc.

Article XLVII. The Contractor shall be solely responsible for all physical injuries to persons or property occurring on account of and during the performance of the work hereunder, and shall indemnify and save harmless the City from liability upon any and all claims for damages on account of such injuries to persons or property, and from all costs and expenses in suits which may be brought against the City for such injuries to person or property; it being distinctly understood. stipulated and agreed that the Contractor shall be solely responsible and liable for and shall fully protect and indemnify the City against all claims for damages to persons or property occasioned by or resulting from blasting or other methods or processes in the work of construction whether such damages be attributable to negligence of the Contractor or his employees or otherwise.

Money Due the Contractor May be Retained to Meet Claims.

Article XLVIII. In case any claim shall be made by any person or corporation against the Contractor or the City for loss or damage to person or property as aforesaid, the amount of such claim or so much thereof as the Commission shall deem reasonable, shall, upon the requirement and in the discretion of the Commission, be retained by the Comptroller out of any moneys thereafter growing due to the Contractor hereunder (in addition to the other sums hereinbefore authorized to be so retained), as security for the payment of such claim or claims. If and when the liability of the City or the Contractor on such claim or claims shall have been established by a judgment of a Court of competent jurisdiction, or shall have been admitted by the Contractor to be valid, the said claim or claims shall be paid from the amount so retained and the balance, if any, paid to the Contractor. Should there be any unsatisfied claims for injuries to persons or property at the time when the final estimate for the work is made and returned, the Enigneer shall have the right to retain out of said final estimate a sum in his judgment sufficient to protect the City in regard to all unsatisfied claims as aforesaid and in case the amount thus retained should be insufficient to pay the amount adjudicated to be due upon such claim the City may sue for and recover from the Contractor the amount or balance as a debt from the Contractor to the City. The Engineer may further, if in his judgment such a course is necessary, at the time of making the final estimate, and as a condition to making the same, require the Contractor to continue his bond or other security or any part thereof, for a time not exceeding the time when such claims would be barred under the existing Statute of Limitations, as security against any claims then unsatisfied or not presented.

Examinations of Abutting Property.

Article XLIX. In order to safeguard the owners or tenants of abutting property and at the same time prevent unjust or fraudulent claims against the Contractor or the City in respect thereto, the Engineer shall cause a detailed examination of all adjacent or abutting property to be made before construction is begun. The owner, or tenant of each parcel or his or their duly authorized representative, shall be invited by a notice in writing delivered to a person apparently in charge of the premises, to be present, and the Contractor, or his duly authorized representative, shall attend and with the Engineer shall make such detailed examination. A complete record of the existing conditions of each parcel shall be made in triplicate, signed by the Engineer and the Contractor, and one copy shall be delivered to the owner, one to the Contractor and one shall be retained by the Commission. As such times as the Engineer may direct, and upon the completion of the work, or upon notice to the Engineer by the owner or tenant that physical injury has occurred, further examination shall be made and the findings recorded and filed as above.

Damage to Works During Construction.

Article L. All risk of loss or damage to the Works, or to any part thereof, or to any of the materials, tools, implements or other things used in doing the work, prior to final completion, is assumed and shall be borne by the Contractor, and any such loss or damage shall be made good by the Contractor at his own cost, and the construction shall be carried forward by him in accordance with this contract, without additional cost to the City by reason of such loss or damage.

VII.

City to Secure Contractor Against Interference by Injunctions, to Acquire Real Estate, Etc.

City's Assurances to Contractor of Right to Construct.

Article LI. The City hereby stipulates and covenants to and with the Contractor that the City will secure and assure to the Contractor so long as the Contractor shall perform the stipulations of this contract, the right to construct the Railroad as prescribed in this contract free of all right, claim or other interference, whether by injunction, suit for damages or otherwise, on the part of any owners, abutting owner, or other person; but not including any interference, legal or otherwise, by patentees or persons claiming to be patentees of tools, methods or appliances.

Claims for Infringement of Patents.

Article LII. The Contractor shall hold itself responsible for any claims made against the City for any infringement of patents by the use of patented articles in the performance and completion of the work, or of any process connected with the work agreed to be performed under this contract, or of any materials used upon the said work; and shall save harmless and indemnify the City for all costs, expenses and damages which the City shall be obliged to pay by reason of any infringement of patents used in the performance and completion of the work.

Acquisition of Real Estate.

Article LIII. The City will acquire all such real estate and rights of way or other rights, terms, franchises, easements and privileges therein which, in the opinion of the Commission, it shall be necessary to acquire or extinguish for the purpose of constructing the Works free of interference or right of interference; provided, however, that this covenant shall not apply to or include any damages for physical injuries to property referred to in Chapter VI. hereof, whether or not compensation for such damages be awarded in a condemnation proceeding. If compensation for any such damages shall be included in an award in condemnation proceedings the Contractor shall, upon demand, promptly reimburse the City for any payments made by it for such purposes.

VIII.

Time for Completion, Damages for Delay, etc.

Commencement and Completion of Work.

Article LIV. Time is of the essence of this contract. The Contractor shall begin actual work within sixty (60) days after the delivery of this contract. The entire work covered by this contract shall be completed in all respects within forty (40) months from the date of the delivery of this contract.

Price to be Reduced for Delay.

Article LV. In the event of delay in completion of the Works beyond the period herein prescribed, or beyond the period to which such time may be extended by resolution of the Commission for good cause shown, the City shall—whether the working force be increased as provided in the specifications or not—be paid damages for such delay. Inasmuch as the amount of such damages will be extremely difficult to ascertain, especially in view of the fact that the Railroad herein contracted for is only a part of a complete system, the remainder of which is to be constructed under other contracts, it is hereby expressly agreed that damages shall be liquidated and paid by reducing the price to be paid the Contractor as follows: From the amounts which shall become payable to the Contractor after the expiration of the periods above limited (but not including the retained percentages from amounts theretofore certified to be due) there shall be deducted and retained by the City the following percentages: From the amount due for the first month

after the expiration of such periods one (1) per centum thereof; from the amount due for the second month after the expiration of such periods two (2) per centum thereof; from the amount due for the third month after the expiration of such periods three (3) per centum thereof; from the amount due for the fourth month after the expiration of such periods four (4) per centum thereof; similarly from any amounts which may subsequently become due there shall be deducted a percentage, the rate of which shall equal the number of months which may have elapsed between the expiration of the periods above limited and the time when such payments shall become due. These amounts shall be deducted and retained by the City and are hereby agreed upon and determined as the measure of liquidated damages (and not as a penalty) to the City. But in case the Contractor shall be delayed by reason of any labor strike not caused or instituted or provoked by the Contractor, or by any sub-contractor, agent or representative of the Contractor (which fact the Contractor shall prove to the satisfaction of the Commission), or in case the Contractor shall be delayed by any injunction or by any interference of public authority, and in case the Contractor cannot, notwithstanding such injunction or interference, with reasonable diligence make up for the delay so occasioned by speedier work when the Contractor shall not be so interfered with, then the said date for completion shall be extended by resolution of the Commission to a date later than the expiration of the said period by the amount of the time of such delay.

Commission May Intervene in Case of Injunction.

Article LVI. But no injunction, strike or interference of public authority shall be ground for such extension except if and from the time when the Contractor shall give the Commission notice of the injunction or other cause of delay, with copies of the injunction or other orders and of the papers upon which the same shall have been granted. The Commission and the City or either shall be accorded the right to intervene or become a party to any suit or proceeding in which any such injunction shall be obtained, and to move to dissolve the same or otherwise, as the Commission or City may deem proper. If necessary the Corporation Counsel or the Counsel to the Commission or both shall be authorized by the Contractor to appear, for that purpose, as counsel or attorneys for him.

In case of Variation of Quantities.

Article LVII. The time stipulated within which to complete the Works is based upon the quantities of the various items entering into the work as stated in the form of proposal, which are given solely for the purpose of classifying bids. In case these quantities are exceeded or diminished then an extension or diminution of the term of this contract shall be made. It is, however, understood and agreed that in case an increase in any one item is balanced or offset by diminution of other items, no change in the term shall be made, and in any event the Engineer shall determine the amount of extension or diminution of time in respect of the relative increase or reduction in the quantities involved in the final completion.

Suspension of Work and Additional Time for Performance.

Article LVIII. The commission reserves the right of temporarily suspending the execution of the whole or any part of the work herein contracted to be done, if it shall deem it for the interest of the City so to do, without compensation to the Contractor for such suspension, other than extending the time for completing the work as much as it may have been delayed by such suspension.

Time for Completion to be Extended in Case of Delay in Acquiring Real Estate.

Article LIX. In case the Contractor shall at any time give notice to the Commission that any real estate is necessary under this contract for any of the purposes specified above, which notice shall give a brief description of such real estate, the Commission shall (if it finds that such necessity exists) begin and conduct with diligence, proceedings to acquire the real estate described; and in case the Commission shall fail to put the Contractor in possession of such real estate within three (3) months from the date of the delivery of such notice the Commission shall allow the Contractor so much additional time wherein to perform and complete this contract on his part as the Engineer shall certify in writing to be just, but no allowannce by way of damages shall be made for such delay.

Extensions Not Cumulative.

Article LX. It is expressly understood, however, that the periods of extension referred to herein shall not be cumulative, but only the single period of delay giving the greatest extension shall be taken into consideration.

Permission to Complete Contract Not a Waiver.

Article LXI. The permitting of the Contractor to go on and finish the work, or any part of it, after the time fixed for its completion, or after the date to which the time for completion may have been extended, or the making of partial payments to the Contractor after any such periods, shall in no wise operate as a waiver on the part of the City of any of its rights under this contract.

IX.

Remedies in Case of Contractor's Default.

In Case of Default.

Article LXII. If the work to be done under this contract shall be abandoned by the Contractor, or if this contract shall be assigned, or the work sublet by him, otherwise than as herein specified, or if at any time the Engineer shall be of the opinion, and shall so certify in writing to the Commission that the performance of the contract is unnecessarily or unreasonably delayed, or that the Contractor is wilfully violating any of the provisions or covenants of this contract, or of the specifications, or is executing the same in bad faith or not in accordance with the terms thereof, or if the work be not fully completed within the time named in this contract for its completion, or within the time to which the completion of the contract may be extended by the Commission, the Commission may

May Take Charge of Work.

(1) Notify the Contractor, by a written notice, to discontinue all work, or any part thereof, under this contract, and thereupon the Contractor shall discontinue the work, or such part thereof, and the Commission shall thereupon have the right to contract for the completion of the Works in the manner prescribed by law, or to place such and so many persons as it may deem advisable, by contract or otherwise, to work, and complete the work herein described, or such part thereof, to take possession of and use any or all of the materials, plant, tools, equipment, supplies and property of every kind provided by the Contractor for the purpose of his work, and to procure other materials for the completion of the same, and to charge the expense of said labor and materials to the Contractor. The expense so charged shall be deducted and paid by the City out of such moneys as may be due or may at any time thereafter grow due to the Contractor under and by virtue of this contract, or any part thereof. And in case such expense shall exceed the amount which would have been payable under the contract if the same had been completed by the Contractor, he shall pay the amount of such excess to the City; and in case such expense shall be less than the amount which would have been payable under this contract if the same had been completed by the Contractor, he shall forfeit all claim to the difference; and when any particular part of the work is being carried on by the Commission, by contract or otherwise, under the provisions of this article of the contract, the Contractor shall continue the remainder of the work in conformity with the terms of this contract, and in such manner as in nowise to hinder or interfere with the persons or workmen employed, as above provided, by the Commission, by contract or otherwise, to do any part of the work, or to complete the same under the provisions of this article of the contract. And

Or Proceed Upon Bond.

(2) The City may also proceed as to the Commission shall seem proper upon the Bond or other security in its possession. And

Or May Bring Suit.

(3) The City may also bring any suit or proceeding for specific performance or for injunction or to recover damages or to obtain any relief or for any purpose proper under this contract.

X.

Miscellaneous Provisions.

Changes in the Contract.

Article LXIII. No correction or change in this contract shall be made except by written instrument duly authorized by the Commission and consented to by the Contractor and by the sureties upon his bond; but this provision shall not limit or affect the right to prescribe variations whether of construction or location of route as in this contract elsewhere provided.

Members of Commission Not Liable.

Article LXIV. No claim shall be made by the Contractor against any member of the Commission personally by reason of this contract or of any of its articles or provisions.

Contractor Not to Assign, Sublet, etc.

Article LXV. The Contractor shall not assign, transfer, convey, sublet or otherwise dispose of this contract or his right, title or interest in or to the same or any part thereof without the previous consent in writing of the Commission, and he shall not assign by power of attorney or otherwise any of the moneys to become due and payable under this contract unless by and with the like consent. If the Contractor shall without such previous written consent assign, transfer, convey, sublet or otherwise dispose of this contract or of his right, title or interest therein or any of the moneys to become due under this contract, to any other person, company or corporation, this contract may at the option of the Commission be revoked and annulled and the City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor and to his assignee or transferee; and no right under this contract or to any money to become due hereunder shall be asserted against the City in law or in equity by reason of any so-called assignment of this contract or any part thereof or of any moneys to grow due hereunder unless authorized as aforesaid by the written consent of the Commission; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors made pursuant to the statutes of the State of New York.

Provisions in Case Commission Ceases.

Article LXVI. In case the Commission shall cease to exist the Legislature may provide what public officer or officers shall exercise the powers and duties of the Commission under and by virtue of this contract; and in default of such provision, such powers and duties shall be deemed to be vested in the Mayor of the City. In case any officer or officers other than the Commission shall hereafter have the powers of the Commission or any of them, then the provisions of this contract shall be applicable to such officer or officers to the extent to which the powers of the Commission shall appertain to such officer or officers, and any official act or determination of such officer or officers or of this Commission shall be sufficient hereunder, anything herein to the contrary notwithstanding, if the same be done or had by lawful vote or resolution or in such manner as the Legislature may from time to time prescribe.

Labor Law.

Article LXVII. The Contractor agrees to comply with the provisions of the Labor Law, including Section three thereof as re-enacted by Chapter 36 of the Laws of 1909. The Contractor further agrees and stipulates that no laborer, workman or mechanic in the employ of the Contractor, sub-contractor or other person doing or contracting to do the whole or a part of the work contemplated by this contract, shall be permitted or required to work more than eight hours in any one calendar day, except in cases of extraordinary emergency caused by fire, flood or danger to life or property; and further that the wages to be paid for a legal day's work as hereinbefore defined to all classes of such laborers, workmen or mechanics upon the work contemplated by this contract or upon any material to be used upon or in connection therewith, shall not be less than the prevailing rate for a day's work in the same trade or occupation in the Borough of the City, where the work hereby contemplated, about or in connection with which such labor is performed, is in its final or completed form to be situated, erected or used; and that each such laborer, workman or mechanic employed by the Contractor or by any sub-contractor or other person on, about or upon the work contemplated by this contract, shall receive such wages herein provided for. This contract shall be void and of no effect, unless the Contractor shall comply with the provisions of this section. In obedience to the requirements of Section Fourteen of the Labor Law it is further provided that if the provisions of the said Section Fourteen are not complied with, this contract shall be void.

All Necessary Legal Provisions Deemed Inserted Herein.

Article LXVIII. It is the intent and understanding of the parties to this agreement that each and every provision of law required to be inserted in this contract should be and is inserted herein. Furthermore, it is hereby stipulated that every such provision is to be deemed to be inserted herein; and if, through mistake or otherwise, any such provision is not inserted or is not inserted in correct form, then the contract shall forthwith, upon the application of either party, be amended by such insertion so as to comply strictly with the law, and without prejudice to the rights of either party hereunder.

Provision in Case of Unlawful Provision.

Article LXIX. If this contract contains any unlawful provision not an essential part of the general structure of the contract and which shall not appear to have been a controlling or very material inducement to the making thereof the same shall be deemed of no effect, and shall upon the application of either party, be struck from the contract without affecting the binding force of the contract as it shall remain after omitting such provision.

In witness whereof, this contract has been executed for The City of New York by the Public Service Commission for the First District under and by resolution duly adopted by the Commission and the seal of the Commission has been hereto affixed and attested by its Secretary and these presents have been signed by its Chairman; and the Contractor has caused its corporate seal to be hereunto affixed and these presents to be executed by its proper officers the day and year first above written.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT,

By .....Chairman.

Attest: .....Secretary.

State of New York, County of New York, ss.:

On the day of , 1912, before me personally appeared William R. Willcox and Travis H. Whitney, to me known and known to me to be, the said William R. Willcox, the chairman, and the said Travis H. Whitney, the secretary of the Public Service Commission for the First District, and the said William R. Willcox and Travis H. Whitney being by me duly sworn, did depose and say, each for himself and not the one for the other, the said William R. Willcox, that he resides in the Borough of Manhattan, in the City, County and State of New York, that he is the chairman of the said Commission and that he subscribed his name to the foregoing contract by virtue of the authority thereof; and the said Travis H. Whitney, that he resides in the Borough of Brooklyn, in the County of Kings, City and State of New York, that he is the secretary of the said Commission and that he subscribed his name thereto by like authority; and both the said William R. Willcox and Travis H. Whitney that they know the seal of the said Commission and that the same was affixed to the foregoing instrument by the authority of the said Commission and of a resolution duly adopted by the same.

State of New York, County of New York, ss.:

On this day of , 1912, before me personally came

to me known and known to me to be the individual described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same.

State of New York, County of New York, ss.:

On this day of , 1912, before me personally appeared to me known, who, being by me first duly sworn, did depose and say: That he resided in , in the State of ; that he is of , the corporation described in and which executed the foregoing instrument; that he knew the corporate seal of said company; that one of the seals affixed to said contract was such corporate seal, and that it was affixed thereto by order of the Board of Directors of said company, and that he signed his name thereto by like authority.

FORM OF CONTRACTOR'S BOND, CONSTRUCTION OF A PART OF PROPOSED RAPID TRANSIT RAILROAD, ROUTE No. 5, SECTION No. 2.

Form of Contractor's Bond,

Route No. 5, Section No. 2.

Know all Men by these Presents, That

of

hereinafter called the Contractor and

and

hereinafter called the Sureties are held and firmly bound unto The City of New York, hereinafter called the City in the sum of seventy-five thousand dollars ($75,000) lawful money of the United States of America, to be paid to the City, for which payment well and truly to be made the Contractor and the Sureties do hereby bind themselves and their, and each of their, executors, administrators, successors and assigns firmly by these presents, as follows: The Contractor to be so held and bound for the full amount of the said sum of seventy-five thousand dollars ($75,000) and each of the said Sureties to be so held and bound only for a portion of said sum as follows:

The said

for the sum of

dollars ($); the said

for the sum of

dollars ($); the said

for the sum of

dollars ($).

In Witness Whereof, The Contractor and the Sureties have hereunto set their hands and seals and such of them as are corporations have caused their respective seals to be hereto affixed and these presents to be attested by the proper officers, this day of 1912.

Whereas, The City by the Public Service Commission for the First District (hereinafter called the Commission) is about to enter into a contract with the Contractor bearing even date herewith for the construction of that portion of a Rapid Transit Railroad known as Section 2 of Route 5 in Broadway, and extending from Park place to Walker street, in the Borough of Manhattan, in the City of New York, more particularly described in the said contract; and

Whereas, The City is about to enter into such contract with the Contractor upon the condition, and not otherwise, that this bond shall be given to the City, and upon the faith thereof,

Now, Therefore, the condition of the foregoing obligation is such that if the Contractor shall fully perform the said contract, then this obligation shall be null and void, but else it shall remain in full force and virtue.

It is expressly agreed, between the City and the Sureties (and it is upon such agreement that the City accepts this Bond) that the Sureties will and do waive any and every notice of default on the part of the Contractor; that they will and do permit the City to extend the time of the Contractor to make any payment or do any act; that no omission on the part of the City to give any notice of extension of time granted by or on behalf of the City shall be availed of by the Sureties or any of them as a defense upon this Bond; that the Sureties shall not set up or have any defense upon this Bond by reason of any alteration of the said contract unless such alteration shall be represented by a formal written instrument duly executed between the City and the Contractor which shall have been duly authorized by a vote of the Commission; and that in case of such alteration, however made, the same shall be a defense to the Sureties only to the extent of the actual injury or damage caused to the Sureties by said alteration.*

FORM OF CONTRACTOR'S PROPOSAL FOR CONSTRUCTION OF A PART OF A RAPID TRANSIT RAILROAD, PORTION OF LEXINGTON AVENUE ROUTE, ROUTE No. 5, SECTION No. 2.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

Route No. 5, Section No. 2.

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto:

Copy of Invitation to Contractors

Copy of Form of Contract

Copy of Form of Bond

To the Public Service Commission for the First District:

1. The undersigned†

do hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section No. 2 of Route No. 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This column not to be used by Bidder. Amount.
1	For earth excavation, above mean high water, (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yd	.....	195,800	.....
2	For earth excavation, below mean high water (except excavations for sewers and pipes), including the disposal of it, etc., per cubic yd	.....	30,100	.....
2a	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yd	.....	4,000	.....
3	For rock excavation, (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yd	.....	100	.....
4	For underpinning buildings, including all incidental work and material, per lineal front ft. of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front ft	.....	2,000	.....
	(b) For buildings from seven to twelve stories in height, per front ft	.....	600	.....
	(c) For buildings over twelve stories in height, per front ft	.....	60	.....
6	For concrete masonry in place, per cubic yd	.....	29,600	.....
7	For protective concrete masonry in place outside of waterproofing, per cubic yd	.....	4,910	.....
8	For rubble stone masonry in place, per cubic yd	.....	2,500	.....
9	For brick masonry, in place, per cubic yd.	.....	50	.....
11	For grout of Portland cement, per barrel of Portland cement used	.....	1,000	.....
12	For timber piles, in place, and prepared, per lineal ft	.....	1,000	.....
13	For timber foundations, placed and fastened, per thousand ft. B. M	.....	2 M	.....
15	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yd	.....	21,850	.....
	(b) For 2-ply, per square yd	.....	100	.....
	(c) For 3-ply, per square yd	.....	20,660	.....
	(d) For 4-ply, per square yd	.....	100	.....
	(e) For 5-ply, per square yd	.....	100	.....
	(f) For 6-ply, per square yd	.....	100	.....
16	For waterproofing, brick laid in asphalt mastic, in place, per cubic yd	.....	2,800	.....
17	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal ft.	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal ft.	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal ft.	.....	570	.....
	(d) For 6-inch vitrified pipe, per lineal ft.	.....	100	.....
	(e) For 4-inch vitrified pipe, per lineal ft.	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal ft.	.....	0	.....
	(g) For 6-inch cast-iron pipe, per lineal ft.	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal ft.	.....	1,600	.....
	(i) For 10-inch cast-iron pipe, per lineal ft.	.....	.....	.....
18	For tunnel ducts, in place, as required by Section No. 292 of the specifications, per duct ft	.....	225,100	.....
19	For riveted steel, painted and erected, per ton of two thousand pounds	.....	1,650	.....
20	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	3,070	.....
21	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	310	.....
25	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	20	.....
26	For wire mesh, in place, per pound	.....	1,000	.....
27	For one and one-half inch (1½-in.) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal ft.	.....	4,300	.....
28	For steel gratings for ventilation, in place, including frames, etc., per square ft	.....	7,370	.....
29	For vault lights, in place, per square ft	.....	750	.....
30	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yd	.....	5,350	.....
	(b) For temporary repavement and maintenance of roadways, per square yd	.....	18,250	.....
31	For park surface restored (all classes), per square yd	.....	100	.....
32	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths-in. (¾-in.) wrought-iron, per lineal ft	.....	10,300	.....
	(b) For one and one-half inch (1½-in.) wrought-iron, per lineal ft	.....	30	.....
	(c) For two-inch (2-in.) wrought-iron, per lineal ft	.....	20	.....
	(d) For two-inch (2-in.) fibre, per lineal ft.	.....	0	.....
33	For cast-iron outlet boxes in place, in stations, each	.....	520	.....
34	For cast-iron pipe and fittings, including specials ("extra heavy"), in place, in stations, as follows:			
	(a) For six-inch (6-in.) per lineal ft	.....	1,030	.....
	(b) For three-inch (3-in.) per lineal ft	.....	100	.....
	SEWERS—ITEMS 37 TO 74			
	Vitrified and Cast-iron Pipe, Items 37 to 43.			
38	For 15-inch vitrified pipe sewer, per lineal ft.	.....	2,270	.....
39	For 18-inch vitrified pipe sewer, per lineal ft.	.....	450	.....
42	For cast-iron sewer pipe (straight pipe), in place in the work, per ton of two thousand pounds	.....	5	.....
43	For cast-iron sewer pipe (special casting) in place in the work, per ton of two thousand pounds	.....	15	.....
	Egg-shaped Brick or Concrete Sewers, Items 44 to 51.			
45	For 3 ft. 6 in. x 2 ft. 4 in., per lineal ft	.....	100	.....
	SURFACE AND SUB-SURFACE STRUCTURES, ITEMS 75 AND 76			
75	For street surface railroads, including the support, re-construction, re-building, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	5,600	.....

*The execution of the bond must be duly proved before delivery in the form essential to proof to entitle a deed to record in the State of New York. Full affidavits of justification of sureties must be added.

†The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If it be a foreign corporation, proof must also be submitted of its authority to transact business in the State of New York. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This column not to be used by Bidder. Amount.
	(b) For horse railroads, per lineal foot of single track	.....	500	.....
	PIPES IN STREETS—ITEMS 77 TO 126			
	For Work and Material as Called for by Section No. 63 of the Specifications			
	Water and Gas Pipes, Items 77 to 108			
	Water Pipes, Items 77 to 88			
	For water pipes in place, as follows:			
78	For 4-inch water pipe, per lineal ft.	.....	100	.....
82	For 12-inch water pipe, per lineal ft.	.....	1,100	.....
85	For 24-inch water pipe, per lineal ft.	.....	1,370	.....
86	For 30-inch water pipe, per lineal ft.	.....	200	.....
	Gas Pipes. *Items 89 to 99.*			
	For gas pipes in place, as follows:			
90	For 4-inch gas pipe, per lineal ft.	.....	100	.....
91	For 6-inch gas pipe, per lineal ft.	.....	300	.....
92	For 8-inch gas pipe, per lineal ft.	.....	400	.....
94	For 12-inch gas pipe, per lineal ft.	.....	100	.....
95	For 16-inch gas pipe, per lineal ft.	.....	500	.....
96	For 20-inch gas pipe, per lineal ft.	.....	500	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe. *Items 100 and 101.*			
100	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	50	.....
101	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thouscand pounds	.....	13	.....
	High Pressure Fire System Pipes, Standard Spigot and Grooves. *Items 102 to 106.*			
	For high pressure fire system pipe in place, as follows:			
102	For 8-inch high pressure fire system water pipe, per lineal ft.	.....	100	.....
103	For 12-inch high pressure fire system water pipe, per lineal ft.	.....	200	.....
104	For 16-inch high pressure fire system water pipe, per lineal ft.	.....	180	.....
106	For 24-inch high pressure fire system water pipe, per lineal ft.	.....	120	.....
	New Cast-Iron Spigot and Groove Pipe for High Pressure Fire System. *Items 107 and 108.*			
107	For new cast-iron spigot and groove straight pipe delivered on the work, per ton of two thousand pounds	.....	15	.....
108	For new cast-iron spigot and groove pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	5	.....
	Steam Pipes, Air Pipes and Mail Tubes. *Items 109 to 120.*			
	Steam Pipes. *Items 109 to 120.*			
	For steam pipe in place as follows:			
110	For 8-inch steam pipe, per lineal ft.	.....	300	.....
	New Steel-welded Flanged Steam Pipe Delivered on the Work as Follows: *Items 115 to 120.*			
116	For 8-inch steam pipe, per lineal ft.	.....	100	.....
	Air Pipes. *Items 121 to 124.*			
121	For 6-inch air pipe, per lineal ft.	.....	200	.....
122	For 8-inch air pipe, per lineal ft.	.....	300	.....
	New Air Pipe Delivered on the Work. *Items 123 and 124.*			
123	For new 6-inch air pipe, delivered on the work, per lineal ft.	.....	100	.....
124	For new 8-inch air pipe, delivered on the work, per lineal ft.	.....	100	.....
	Mail Tubes. *Items 125 and 126.*			
125	For 8-inch mail tube in place, per lineal ft.	.....	300	.....
126	For new 8-inch mail tube, delivered on the work, per ton of two thousand pounds.	.....	5	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets. (Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)			
127	For electric ducts and conduits in place, as provided in Section No. 64 of the specifications, per duct ft.	.....	49,400	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract *a bond in the sum of seventy-five thousand dollars* ($75,000) *in the form hereto annexed with the following named Sureties, viz.:**

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No. on the floor of the building No. in the Borough of in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand dollars ($15,000). If the Commission shall notify the undersigned that the Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered or make the said deposit in cash or securities; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered or make the said deposit in cash or securities, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the 1912

Affidavit of Verification.

City and County of New York, State of New York, ss.:

being duly sworn, says; I am†

the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this day of , 1912.

Schedule of Securities.

(Note—If the bidder desires not to give a bond, but to deposit securities in lieu thereof, a description of the securities to be deposited for that purpose must be inserted below.

All securities when delivered must be payable to, or run in favor of, or be transferred to, the Comptroller of The City of New York.)

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 31, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 24, 1912, the Public Service Commission for the First District transmitted to the Board of Estimate and Apportionment for its consent the proposed contract between The City of New York and the Degnon Contracting Company, for the construction at the public expense of Section 2, Route 5, being that portion of the Lexington avenue route extending under Broadway from a point about 75 feet south of the centre line of Park place to a point about 90 feet north of the centre line of Walker street, in the Borough of Manhattan, with a station at City Hall.

The Commission in the same communication requested the Board of Estimate and Apportionment to prescribe as a limit to the amount of bonds available to meet the requirements of contract, in the sum of $2,355,828.50, and to direct the Comptroller to issue bonds to that amount.

This section as originally advertised and bid on extended further down Broadway, or from Park place to Vesey street; thence through to Church street and south to Dey street. There were only five bidders on that advertisement, and the lowest bid was $7,677,000.

As readvertised, twelve bidders competed and the low bid is about $5,300,000 lower than before. This is, in part, due to the elimination of the portion above noted, where shield tunneling would have been required, in part, to the reduction in size, diminishing quantities and bringing the work further out of tide water, but, more largely, I am of the opinion, to the readvertisement under, generally, more favorable conditions to bidders inducing a keener competition. Instead of simultaneous bids being asked on all sections, as before, an interval is being allowed sufficient to permit withdrawal of securities for their reuse on the succeeding section. Also, the bond has been reduced from $300,000 to $75,000, and at the option of the successful bidder he may deposit cash or approved securities to this amount.

The amount of money to be retained from monthly estimates, however, has been increased from 10 to 15 per cent., until the sum so retained shall equal $300,000, after which 10 per cent. is to be withheld.

I recommend that the Board of Estimate and Apportionment consent to the award of contract for Section 2, Route 5, and that it authorize corporate stock to the amount of $2,355,828.50 to meet the requirements of said contract.

Attached is a resolution which prescribes a limit to the amount of bonds available for the contract and authorizes the necessary corporate stock. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered;

Resolved, That, pursuant to the provisions of section 37 of the Rapid Transit Act, being chapter 4 of the Laws of 1891, as amended, and the provisions of section 45 of the Greater New York Charter, and the requisition of the Public Service Commissioner for the First District, duly made by said Commission on January 24, 1912, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between the Degnon Contracting Company and The City of New York, acting by the Public Service Commission for the First District for the following purposes:

For the construction in the Borough of Manhattan of Section 2, Route 5, known as the Lexington Avenue Route, being a four-track underground railroad, the centre line of which begins about 75 feet south of the centre line of Park place, on Broadway, and extends thence along Broadway to a point about 90 feet north of the centre line of Walker street, with a station at City Hall, at a cost not to exceed two million three hundred and fifty-five thousand eight hundred and twenty-eight dollars and fifty cents ($2,355,828.50); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of the proceeds of corporate stock available for the said purpose shall be two million three hundred and fifty-five thousand eight hundred and twenty-eight dollars and fifty cents ($2,355,828.50); and be it further

Resolved, That the Comptroller be and he is hereby authorized and directed to issue corporate stock of The City of New York to the amount of two million three hundred and fifty-five thousand eight hundred and twenty-eight dollars and fifty cents ($2,355,828.50), at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds to the amount of the par value thereof to be applied to the purposes mentioned in the communication of the Public Service Commission for the First District to this Board, dated January 24, 1912.

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The Secretary presented communications as follows:

From the District Attorney of New York County, requesting the issue of $10,000 special revenue bonds to provide means for conducting investigations and prosecution of criminal actions in connection with the Triangle Waist Company fire disaster and into the conduct of persons who were connected and had dealings with the Northern Bank of New York, the Washington Savings Bank and the Carnegie Trust Company;

Two (2) from the Sheriff of Kings County withdrawing communication presented to the Board at meeting held January 25, 1912, which was referred to the Comptroller, requesting issue of $262.50 special revenue bonds for the purpose of paying the Jan-

* The bidder may, under the Rapid Transit Act, deposit cash or approved securities, in lieu of a bond; and the bidder, if desirous of so doing, may so state here, and strike out the words in italics.

* Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

† If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of "; if a corporation say "the (President or other officer duly authorized) of the Company."

uary salary of two Keepers and a Cleaner in the Kings County Jail, and substituting request for an issue of $3,150 special revenue bonds, to provide for said salaries for the year 1912;

From the President of the Annual Conference of Mayors of the State of New York, suggesting that an appropriation be made by the City towards defraying the expenses of the 1912 conference in Utica;

From the Board of Inebriety, recommending the acquisition of a tract of land consisting of 520 acres, in the Township of Smithtown, Suffolk County, Long Island, as a site for a hospital and industrial colony for the care and treatment of inebriates.

Which were referred to the Comptroller.

The Secretary presented communications as follows:

From the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting that the resolution adopted July 17, 1911, authorizing the issue of $224,000 corporate stock for the completion and equipment of extension "H" of the Metropolitan Museum of Art be amended to include architect's fees;

From the Board of Water Supply, in response to resolution adopted December 21, 1911, calling for departmental estimates of corporate stock requirements for the year beginning July 1, 1912, stating that an additional issue of corporate stock will probably not be required for the needs of said Board until July 1, 1913, etc.;

From the Secretary of the Board of Trustees of the Normal College, transmitting departmental estimate of corporate stock requirements for the year beginning July 1, 1912, in accordance with resolution adopted December 21, 1911;

From the President of the Borough of Manhattan, submitting departmental estimate of corporate stock requirements for the year beginning July 1, 1912, in accordance with resolution adopted December 21, 1911;

From the Board of Inebriety, to be substituted for communication presented to the Board at its meeting held January 4, 1912, and referred to the Corporate Stock Budget Committee, relative to an appropriation of $850,000 for the purchase of a farm, erection of a reception hospital, etc.

Which were referred to the Corporate Stock Budget Committee, consisting of the Comptroller, the President of the Board of Aldermen and the President of the Borough of Manhattan.

The Secretary presented a communication from the Coroner, Borough of Richmond, enclosing copy of findings of the Coroner's Jury into the cause of death of Harry Williams, an inmate of the New York City Farm Colony on Staten Island.

Which was referred to the Commissioner of Public Charities.

The Secretary presented a communication from the President of the Allied Real Estate Interests of The City of New York, submitting statement signed by a number of citizens relative to the negotiations which are being undertaken to provide an adequate and comprehensive transit development.

Which was referred to the Transit Committee, consisting of the Mayor, the Comptroller and the President of the Board of Aldermen.

The Secretary presented the following communications and reports relative to the Contract for the final disposition of garbarge in the Boroughs of Manhattan. The Bronx and Brooklyn, for a period of five years beginning September 1, 1912;

Communication from the Commissioner of Street Cleaning. dated January 2. 1912. submitting form of contract for approval as to terms and conditions,

(Referred to Comptroller. January 4. 1912.)

Report of Comptroller dated January 13. 1912. recommending approval thereof with the exception of Clause X. which provides that the contractor shall pay the Engineer or Inspector who shall be designated by the Commissioner to supervise the work the sum of $5.000 per annum. presented at the meeting held January 25. 1912. and laid over one week,

Communication from the Commissioner of Street Cleaning, dated January 25, 1912. substituting a contract form for the one presented under date of January 2. 1912. providing for the receipt by the city of payment from the Contractor or the payment by the City to the contractor as the consideration for the performance of the contract,

Report of the Comptroller, dated January 31, 1912, recommending approval of the form of contract as submitted under date of January 2, 1912, as revised, for a period beginning September 1. 1912 and ending January 2. 1914,

Department of Street Cleaning of The City of New York, 13-21 Park Row, three separate Boroughs.

HON, WILLIAM J. GAYNOR. *Mayor. Chairman. Board of Estimate and Apportionment*:

Sir—I request the consent of approval pursuant to Section 544 of the Charter. by the Board of Estimate and Apportionment, of the terms and conditions of a contract for the final disposition of garbage in the Boroughs of Manhattan, The Bronx and Brooklyn, for the period of five years, beginning September 1, 1912, as submitted herewith in the printer's proof of the same.

The printer's copy from which this proof has been made was submitted to the Corporation Counsel for his examination of the form thereof, before sending the same to the printer,

This one contract, if approved by your Board and finally let, will take the place of three separate contracts which have been in existence for several years for these three separate Boroughs.

If your Board approves of the terms and conditions of this contract, I shall immediately advertise it as the law requires for ten day in the CITY RECORD.

Respectfully, WM. H. EDWARDS, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 13, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 2, 1912, the Street Cleaning Commissioner requested approval, pursuant to the provisions of section 544 of the New York Charter of the terms and conditions of a proposed contract for the final disposition of garbage in the Boroughs of Manhattan, The Bronx and Brooklyn, for a period of five years, beginning September 1, 1912.

The proposed contract is to take the place of the following contracts which expire on September 1, 1912:

(A) Contract with the New York Sanitary Utilization Company for final disposition of garbage in the Boroughs of Manhattan and The Bronx, from August 1, 1911, to September 1, 1912.

(B) Contract with the New York Sanitary Utilization Company for final disposition of garbage in the Borough of Brooklyn, from September 1, 1907, to September 1, 1912.

The proposed contract is similar to the contract approved as to form by the Board of Estimate and Apportionment on November 8, 1910, for the final disposition of garbage in the Boroughs of Manhattan and The Bronx, from August 1, 1911, to September 1, 1912, except that the City agrees to deliver at the places and in the manner specified all the garbage collected by the Department of Street Cleaning, or others authorized to collect the same in the Boroughs of Manhattan, The Bronx and Brooklyn. This provision is added to guarantee the contractor that he will receive all the garbage that is now being collected and disposed of by private parties.

I have no objection to offer to the form of contract except Clause X, which provides that the contractor shall pay the Engineer or Inspector, who shall be designated by the Commissioner to supervise the work, the sum of $5,000, in equal monthly installments. This seems to me to be wrong, notwithstanding any precedents that may have been established and are customary in the Street Cleaning Department.

I might add further that a position of an Engineer at the rate of $5,000 per annum has been allowed in the Budget for 1912, which, as explained by Commissioner Edwards at the hearings, was for the employment of the same Engineer provided for in this contract.

I recommend, therefore, the adoption of the attached resolution approving the form of contract with the omission of Clause X. Respectfully,

WM. A. PRENDERGAST, Comptroller.

Department of Street Cleaning of the City of New York. 13-21 Park Row. New York, January 25, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment, City of New York*:

Sir—I beg leave to substitute for the contract form now before your Board for the disposal of garbage in the Boroughs of Manhattan. The Bronx and Brooklyn. for a period of five years commencing with September 1st. 1912. a form with the same terms and conditions in every respect. excepting so modified as to provide for the receipt by the City of payment from the contractor or the payment by the City to the contractor as the consideration for the performance of the contract.

Respectfully, WM. H. EDWARDS, Commissioner.

CONTRACTOR TO PAY CITY.

Department of Street Cleaning of The City of New York, Main Office, 13-21 Park Row, Borough of Manhattan.

TO CONTRACTORS.

PROPOSAL FOR BIDS OR ESTIMATES FOR A CONTRACT, PURSUANT TO SECTION 544 OF THE GREATER NEW YORK CHARTER, FOR THE FINAL DISPOSITION OF GARBAGE IN THE BOROUGHS OF MANHATTAN, THE BRONX AND BROOKLYN, OF THE CITY OF NEW YORK, FOR THE PERIOD, BEGINNING THE FIRST DAY OF SEPTEMBER, 1912, AND ENDING ON JANUARY 2, 1914.

Code of Ordinances, Section 516 (Charter, Section 419).

1. Sealed bids or estimates for the above contract, indorsed with the above title. also with the name of the person or persons making the same and the date of presentation, will be received at the Main Office of the Department of Street Cleaning, until o'clock m. of day, the day of , 191 , at which time and place the bids will be publicly opened by the head of the said Department and read.

2. The records of the Department of Street Cleaning show that the amount of garbage delivered to the present contractor for this work was approximately as follows:

Year.	Manhattan. Tons.	The Bronx, Tons.	Brooklyn, Tons.	Total, Tons.
1907	187,923	21,175	102,360	311,458
1908	195,439	24,359	105,369	325,167
1909	193,438	26,461	108,586	328,485
1910	197,740	30.274	113,725	341,739
1911*	192,943	32,596	117,079	342,618

*Estimated for period from November 1st to December 31st.

Table Showing Cartloads of Garbage Received at Each Dump for Each Month of the Year 1910.

Note—Cartloads in The Bronx carry 1.5 cubic yards water measure and weigh approximately 1,750 pounds. Cartloads in Manhattan, except during the snow season, carry 2 cubic yards and weigh approximately 2,330 pounds; during snow season they carry and weigh the same as those of The Bronx.

Month.	Manhattan. Clinton St.	E. 46th St.	E. 107th St.	E. 139th St.	Canal St.	W. 47th St.	W. 97th St.	Miscel.	Total.	The Bronx. E. 138th St.
January	1,601.50	1,948.00	2,900.75	3,418.75	1,263.50	1,958.75	*.....	234.00	13,325.25	1,538.25
February	1,279.00	1,728.50	2,785.25	3,074.75	1,438.25	1,901.25	*.....	106.25	12,313.25	1,402.50
March	1,698.25	2,273.50	3,310.75	3,596.25	1,687.75	2,259.00	*.....	.....	14,825.50	1,683.00
April	2,304.25	2,572.50	3,974.00	3,882.25	1,833.50	2,713.25	*.....	.....	17,279.75	1,998.25
May	3,159.75	2,690.00	5,031.25	4,011.50	1,984.25	3,030.00	*.....	89.50	19,996.25	2,485.00
June	3,459.50	2,729.25	4,920.25	4,213.00	2,226.25	2,960.75	*.....	.....	20,509.00	2,451.50
July	3,147.25	2,704.50	4,589.75	4,065.75	2,202.75	2,697.50	*.....	.....	19,407.50	2,375.75
August	2,319.00	2,666.25	4,628.00	4,474.00	2,296.75	2,849.00	*.....	411.25	19,644.25	2,535.25
September	2,634.75	2,576.50	4,831.50	4,681.50	2,145.50	2,837.50	*.....	.....	19,707.25	2,768.75
October	2,207.00	2,557.50	4,570.00	4,469.75	2,251.25	2,849.50	*.....	.....	18,905.00	2,453.50
November	1,878.00	2,305.50	3,735.75	3,718.50	2,187.50	2,482.25	*.....	.....	16,307.50	1,986.25
December	1,462.25	2,029.50	3,447.50	3,574.00	2,111.75	1,661.75	*.....	386.75	14,673.50	1,767.25
Total	27,150.50	28,781.50	48,724.75	47,180.00	23,629.00	30,200.50	*.....	1,227.75	206,894.00	25,445.25

*Dump opened April 17, 1911.

Brooklyn.

Month.	Sixth Street.	Clinton Avenue.	Coney Island.	Total.
January	2,562.25	4,362.75	.....	6,925.00
February	2,121.75	3,979.50	.....	6,101.25
March	2,590.75	5,023.75	.....	7,614.50
April	2,888.25	5,874.50	.....	8,762.75
May	2,969.00	6,835.75	406.00	10,210.75
June	2,900.25	7,334.25	867.75	11,102.25
July	2,904.00	7,120.75	1,251.25	11,276.00
August	2,988.00	7,740.75	1,264.75	11,993.50
September	3,213.00	8,235.00*	985.25	12,433.25
October	3,158.25	7,350.50	229.00	10,737.75
November	2,814.00	5,958.25	.....	8,772.25
December	2,824.25	4,971.25	.....	7,795.50
Total	33,933.75	74,787.00	5,004.00	113,724.75

*Location of dump changed to Washington avenue.

3. The purpose of this contract is to provide for the final disposition of all garbage collected by the Department of Street Cleaning, or by others authorized to collect the same, within the Boroughs of Manhattan. The Bronx and Brooklyn.

4. The Contractor's plant must be capable of receiving and finally disposing of 2,000 tons of 2,000 pounds each of garbage per day.

5. The period of the work under this contract will be from September 1, 1912, to January 2, 1914.

6. The amount of security required is One Hundred Thousand Dollars ($100,000).

7. Permission will not be given for the withdrawal of any bid or estimate.

(Charter, Section 419.)

8. No bid will be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter as surety or otherwise upon any obligation to The City of New York.

(Code of Ordinances, Section 511.)

9. The person or persons making a bid or estimate shall furnish the same in a sealed envelope indorsed with the title given above, of the work for which the bid or estimate is made, with his or their name or names and the date of presentation

to the head of said Department at the said office, on or before the date and hour above named.

(Code of Ordinances, Section 512—Charter, Section 1533.)

10. Each bid or estimate shall contain the name and place of residence of the person or persons making the same, the names of all persons interested with him or them therein, and, if no other person be so interested, it shall distinctly state that fact; also that it is made without any connection with any other person making a bid or estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, head of Department, chief of a bureau, deputy thereof or clerk therein, or other officer of The City of New York, is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise, in or in the performance of the contract, work or business to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified, by the oath in writing, of the party making the same that the several matters stated therein are in all respects true.

(Code of Ordinances, Section 514.)

11. Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders, or of a guaranty or surety company duly authorized by law to act as surety, and shall contain the matters set forth in the blank forms mentioned below.

(Charter, Section 544.)

12. A special deposit of forty thousand dollars ($40,000) in cash will be required to be made with the Comptroller of The City of New York, on or before the signing, sealing and delivery of the contract, thirty thousand dollars ($30,000) of this amount, or the unexpended portion thereof, to be returned to the Contractor at the end of one year, and ten thousand dollars ($10,000) of the said amount to remain on deposit with the said Comptroller until the completion of the contract, or other termination thereof.

(Charter, Section 544.)

13. Each bid or estimate must be accompanied by a certified check on a solvent banking corporation in The City of New York, payable to the order of the Comptroller, for five per centum of the amount of the bond.

(Charter, Section 544.)

14. Each bid or estimate must be accompanied by complete plans and specifications, such plans and specifications to be sufficient fully to set forth the methods to be used by the Contractor and the result to be secured, and to describe and locate the place or places where the Contractor is to perform the work of final disposition of the materials. No such plans and specifications will be considered, unless they describe a system which has been in successful operation in some City of the United States or Europe, of such size, that the Commissioner shall deem it of sufficient importance, as a field of experience. Said plans and specifications shall provide also for the transporting conveyances, whether by land or water, if any, which it is proposed to employ, with the understanding that these shall be of a kind to be approved by the Commissioner of Street Cleaning.

15. The Contractor will be required to receive garbage at waterfront dumps in all the Boroughs. The Contractor will be required to receive garbage at not to exceed three (3) waterfront dumps in the Borough of The Bronx, and not to exceed ten (10) waterfront dumps in the Borough of Manhattan, which may be provided by The City of New York within the life of this contract, and in the Borough of Brooklyn not to exceed six (6) waterfront dumps, one of the said six dumps to be furnished by the Contractor at his own cost and expense, at a location to be approved of by the Commissioner; the location of all dumps may be changed at any time by the consent or by the direction of the said Commissioner.

16. The compensation to be paid by the Contractor must be stated at a sum of money for the period to which the contract is limited and this stated sum must be written in full and also be given in figures; and all garbage, whether more or less than the quantity as above estimated, shall be received and properly disposed of by the Contractor without any reduction of payment. The Contractor shall pay every cost and expense of transportation, however incurred, from the time that the garbage is delivered to the Contractor, excepting that whenever the Board of Health, under the authority of the New York Charter, shall condemn any materials such as described in Section 1210 of the said Charter, the Contractor shall receive and finally dispose of said materials at a price or sum of one dollar and fifty cents ($1.50) per cart load of one and one-half cubic yards, water measure, capacity or in like proportion, which sum, or sums shall be deducted from the amount the Contractor pays to the City, pursuant to the terms of this contract.

17. Bidders must satisfy themselves by personal examination and by such other means as they may select as to the accuracy of the foregoing estimate of the amount of materials, and as to the quantity and nature of the work to be done, and shall not at any time after the submission of a bid or estimate dispute or complain of such statement or estimate of the Commissioner, or assert that there was any misunderstanding in regard to the nature or amount of work to be done.

(Charter, Section 544.)

18. The said Commissioner reserves the right to select from the bids or estimates that bid or estimate, the acceptance of which will, in his judgment, best secure the efficient performance of the work, or he may reject any or all of said bids or estimates.

19. Bidders are requested to make their bids or estimates upon the blank form prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained on application therefor at the office of said Commissioner, Nos. 13 to 21 Park row, Borough of Manhattan.

....., Commissioner of Street Cleaning.

New York, ..., 191..

THE CITY OF NEW YORK—DEPARTMENT OF STREET CLEANING.

CONTRACT AND SPECIFICATIONS FOR THE FINAL DISPOSITION OF GARBAGE IN THE BOROUGHS OF MANHATTAN, THE BRONX AND BROOKLYN, IN THE CITY OF NEW YORK, FOR THE PERIOD BEGINNING THE FIRST DAY OF SEPTEMBER, 1912, AND ENDING JANUARY 2, 1914.

Parties.

This agreement made and entered into this ..... day of ....., in the year one thousand nine hundred and ....., by and between The City of New York, party of the first part, acting by and through the Commissioner of Street Cleaning, and ..... Contractor, party of the second part, pursuant to the provisions of the Greater New York Charter:

Covenant.

Witnesseth: That the parties to these presents, each in consideration of the agreements on the part and behalf of the other herein contained, have mutually agreed and hereby mutually agree, the party of the first part for itself and its successors, and the party of the second part for himself and his executors, administrators, assigns and legal representatives, as follows:

Parties Described.

(A) Wherever in this contract the term "The City" is used it shall be taken to mean The City of New York, the party of the first part to this contract, and wherever the term "Commissioner" occurs, it shall be understood as applying to the Commissioner of Street Cleaning, and to his authorized representative and representatives, and wherever the term "Contractor" or pronouns referring to the same occurs or occur, the same shall be taken to intend the party or parties, as the case may be, of the second part of this contract; wherever the word "Superintendent" is used in these specifications or in this contract, it refers to and designates the Superintendent of Final Disposition, acting directly or through any Assistant, duly appointed by the said Commissioner and designated therefor, having general charge of the work, or through any such Assistant, having immediate charge of a portion thereof, limited by the particular duties entrusted to him.

Purpose of the Contract.

(B) The purpose of this contract is to provide for the final disposition of all the garbage collected by the Department of Street Cleaning, or by others authorized to collect the same, within the Boroughs of Manhattan, The Bronx and Brooklyn, which the City agrees to deliver at the places and in the manner herein specified.

Contract to Conform to the Law, etc.

Charter, Section 544.

(C) The Contractor will perform the work under this contract so as to comply with all the laws of the State of New York, the Sanitary Code of The City of New York, the laws of the United States, the orders, rules and regulations of the State Board of Health, and the ordinances of the Board of Aldermen of The City of New York, so far as they are in force and relate to the dumping, placing, or final disposition of such material, and so as not to create any obligation, claim, or demand, or to furnish any just ground for any action, suit or legal proceeding against The City of New York, or the Department of Street Cleaning of The City of New York and do the work hereinbefore mentioned in strict conformity to the following specifications.

SPECIFICATIONS.

Definition of "Garbage."

1. Wherever the term "garbage" is used in this contract, it shall be taken to mean swill and every accumulation of food waste, of both animal and vegetable matter, liquid or otherwise, that shall be collected by the carts of the Department of Street Cleaning or by carts duly authorized to collect the same and delivered at the dumps and containing not more than five (5) per centum of other refuse.

Definition of "Dumps."

2. Wherever the words "dump" or "dumps" are used in this contract, they and each of them shall be taken to mean the place, or places, and all parts and appurtenances thereof for receiving the garbage to be disposed of under this contract, and not exceeding nineteen (19) in number.

Harbor Regulations to be Observed

3. As the Supervisor of the Harbor, under the laws of the United States, has control over all boats and vessels in the harbor of New York, relative to the removal and disposition of City refuse about the said harbor, all requirements of these specifications are made subject to such jurisdiction and control of the Supervisor of the Harbor, and the Contractor is at all times to obtain the necessary permit before any boat or vessel is removed from any dump and is fully to comply with all other rules and regulations of said officer made in compliance with the law.

As to the Use of the Slips.

4. As the Department of Docks and Ferries has the exclusive control over all docks, slips, piers and structures erected thereon, except as otherwise provided by law, the Contractor is not to use the slips adjacent to any dump for the purpose of conducting any business or removing any garbage or material other than the garbage required to be removed by the terms of this contract, unless permission in writing therefor is first had and obtained from the said Department of Docks and Ferries.

Contractor Not to Receive Fees, etc.

5. No money, reward, gratuity, fee or other valuable consideration shall be charged, received, or taken by the Contractor or any of his agents or employees for doing or failing to do any part of the work required to be done under this agreement, excepting as provided in clause (16) of the proposal.

Treatment of Garbage Must be Effective.

6. All the garbage is to be disposed of in a manner not prejudicial to the public health and the process employed by the Contractor is to be not only not noisome in its operations, but also to be effective as to final results.

Work to be Always Open for Inspection.

7. The entire work of final disposition is to be at all times accessible to the Commissioner and his authorized representatives and under his supervision and inspection, and subject to his approval.

Contractor to Keep Scows Ready.

8. The Contractor is at all times during the day and night to have at all dumps, not exceeding nineteen (19) in number, such a number of transporting conveyances as may be necessary for the proper reception and transportation of all garbage delivered at said dumps.

Commissioner May Change Location of Dumps.

9. The Commissioner is to have the right at any time to change the location of any City dump or dumps in the Boroughs of Manhattan, The Bronx and Brooklyn, if in his judgmentt the interests of The City shall so require, and without previous notice to the Contractor; but as soon as possible after such change of location shall have been made, the Commissioner is to notify the Contractor thereof.

Garbage to be Handled at Dumps Only Except by Commissioner's Permission.

10. No place other than the dumps provided for in this contract is to be used by the Contractor for the receiving or handling of garbage except by special written permission of the Commissioner previously obtained.

Scows, etc., to be Kept Clean and Inoffensive.

11. All receptacles, scows or conveyances of what kind soever used by the Contractor are to be so constructed and loaded as to prevent the garbage or any part thereof from falling into or defiling the water of New York Harbor or the waters adjacent thereto, and the said receptacles, scows or conveyances and each of them is to be kept and maintained in a clean and sanitary condition to the satisfaction of the Commissioner.

Garbage to be Removed Within Twenty-four Hours—(Charter, section 123).

12. The garbage received at the several dumps is to be removed therefrom at least once in every twenty-four hours, unless the Commissioner shall for special reasons extend in writing the time for such removal.

13. All labor necessary for the loading and trimming of the receptacles, scows or other conveyances employed by the Contractor is to be furnished by the said Contractor

Contractor to Keep Dumps in Repair.

14. The Commissioner is to repair all damage done by the Contractor to the City dumps; for account of and at the cost and expense of the Contractor, and the amount of such expense may be deducted and retained by The City from the special deposit, provided for, in clause (D).

Telephone Service.

15. The Contractor shall provide and maintain at his own expense an office in connection with the work of this contract conveniently located and will provide at his own cost and expense telephone service at all hours of the day and night at said office.

Character of Employees.

16. Any person in the employ of the Contractor who, in the opinion of the Commissioner, may be untrustworthy, incompetent, or otherwise unfitted to perform his duties, or who shall refuse to obey the orders of the Commissioner or his duly authorized representative, is to be dismissed on the request of the Commissioner, and any person so dismissed is not again to be employed by the Contractor without the Commissioner's written consent.

Construction of the Plant.

17. The Contractor will provide, keep in operation and working order a plant of a capacity ample to dispose of at least two thousand (2,000) tons of 2,000 pounds each of garbage in each twenty-four hours, and have the same complete by the time that work is to begin under this contract.

Contract Provisions (Continued).

Special Deposit. Condition of the Same.

(D) The Contractor is to deposit with the Comptroller of The City of New York, on or before the signing, sealing and delivery of this contract the sum of Forty Thousand Dollars ($40,000) in lawful money of the United States, as an additional security for the faithful performance of the terms and conditions of this agreement, as a fund to be drawn upon by the Commissioner of Street Cleaning to pay for any

expense that may be incurred under this agreement by said Commissioner or The City by reason of the failure of the Contractor to comply with the said terms and conditions, and it is mutually agreed that the said sum of Forty Thousand Dollars ($40,000) shall remain on deposit with the said Comptroller without interest for the term of one year, and if not wholly used for the purpose for which the same was deposited, Thirty Thousand Dollars ($30,000), or the unexpended portion thereof shall be returned to the Contractor, his assigns or personal representatives, and the balance of Ten Thousand Dollars ($10,000) shall likewise be returned to him or them, upon the completion of the contract, or other termination thereof.

If Contractor Fails to Begin Work.

(E) If the Contractor shall delay or neglect to begin the work of final disposition under this contract on the first day of September, 1912, The City may perform the same or any portion thereof for such period of neglect or delay, and charge the whole expense thereof to the Contractor, and deduct the same from the special deposit provided for in clause (D).

Character of the Methods of Work.

(F) The Contractor will at all times use such appliances, processes, devices or methods, and employ such and so many men for the performance of all operations connected with the work under this contract as will secure a satisfactory rate of progress and quality of work, and if at any time during the progress of the work such appliances, processes, devices or methods, or such force of persons employed by the Contractor appear to the Commissioner to be inefficient, insufficient or inappropriate for securing the quality of work required or the necessary rate of progress, the Commissioner shall have the power to direct the Contractor to increase the efficiency or improve the character of the appliances, processes, devices or methods, or to increase the number of persons employed by him and the Contractor shall thereupon conform to such direction, but the failure of the Commissioner to demand such increase, or efficiency, or improvement shall in no manner be deemed to relieve the Contractor from his obligation to secure the quality of work and rate of progress established by any of the terms or conditions of this contract, and in case it shall at any time appear that the work or any part thereof shall in any manner be unfaithful or imperfect, the same shall be immediately corrected on the demand of the Commissioner, and no failure on the part of any inspector or other officer or employee of the Department of Street Cleaning to call attention to such defect shall be held to be a waiver of the Commissioner's right to direct the same to be corrected as aforesaid or to estop the Commissioner therefrom.

Consideration.

(G) The Contractor shall furnish and maintain his plant and perform all the work required to be done by him under this contract and pay the City the following consideration:

For the period from September 1, 1912, to January 2, 1914.....

..... dollars ($),

to be paid by the party of the second part to the City in equal monthly payments during the period that the Contractor shall perform the work under this contract.

No Compensation.

(H) The above-mentioned sum shall be the sole consideration for the privilege to perform the work under this contract, excepting as provided in the proposal of this contract for materials condemned by the Board of Health, and no claim shall be made by the Contractor for any compensation, and he shall not ask, demand, sue for or recover for the entire work any compensation beyond the amount provided for, in clause (16), of the proposal, for the work which shall actually be performed, nor have any claim for, nor ask, demand, sue for or recover any extra or other compensation, whether claimed as anticipated profits or as loss or otherwise, in case the daily amount of garbage delivered as aforesaid shall be materially or in any degree greater or less than the quantity estimated, stated, or indicated, in the proposal for bid or estimate for this contract, nor shall anything herein contained be deemed or construed to imply or impose any obligation on the part of The City to deliver to the Contractor any specific amount of garbage whatsoever, it being understood, however, that The City will deliver to the Contractor at the dumps aforesaid all the garbage which may be collected by the carts of the Department of Street Cleaning, as well as by private carts, so far as they can be controlled by the said Department.

Times of Payment.

(I) The Contractor will pay or cause to be paid to The City monthly one equal sixteenth part of the consideration aforesaid, to be paid under this contract on the fifteenth day of each month during the continuance thereof.

No Waiver.

(J) The fact that the Department of Street Cleaning may inspect the work or any part thereof shall not be held to be or constitute a waiver of the strict performance by the Contractor of all his obligations under this contract to perform the work in a good, efficient and expeditious manner.

Interpretation of Contract.

(K) All parts of this contract and the specifications are intended to be explanatory of each other, and in case any ambiguity or doubt as to the meaning of any part thereof or of any obscurity as to the wording thereof or of any part thereof shall arise, the same will be explained by the Superintendent, whose determination shall be final, and all directions and explanations requisite, proper or necessary to complete or make more definite any of the provisions thereof and to give them due effect shall be given by the Commissioner, and his decision thereon and his interpretation of the same shall be final and conclusive.

Work Pending Annulment Proceedings.

(L) If at any time the Contractor shall abandon this contract and refuse to proceed thereunder, the said Commissioner, pending proceedings to cancel and annul this contract, as herein provided, is hereby authorized and empowered to take possession of the plant, scows and other means of transportation and final disposition of the garbage hereinbefore referred to, belonging or theretofore used by the Contractor, and at the expense and on account of the Contractor to hire and employ as many men as may be necessary and operate said plant and do and perform the work provided for under this contract.

Not to Assign or Sublet.
[General Municipal Law, Section 87.]

(M) The Contractor will give his personal attention constantly to the faithful performance of this contract; he will not assign, transfer, convey, sublet or otherwise dispose of this contract, or his right, title or interest in or to the same or any part hereof, without the previous consent in writing of the Commissioner indorsed hereon or hereto attached; and he will not assign, by power of attorney or otherwise, unless by and with the like consent signified in like manner. If the Contractor shall, without such previous written consent, assign, transfer, convey, sublet or otherwise dispose of this contract, or of his right, title or interest therein, to any other person, company or other corporation, this contract may, at the option of the Commissioner, be revoked and annulled, and The City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor, and to his assignee or transferee; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors, made pursuant to the statutes of the State of New York; and no right under this contract shall be asserted against The City in law or in equity, by reason of any so-called assignment of this contract, or any part thereof, unless authorized as aforesaid by the written consent of the Commissioner.

Abandonment of Contract.

(N) If this contract shall be abandoned, or if at any time the Contractor shall fail to perform the work hereunder at the time and in the manner specified herein with promptness and diligence, or shall omit to perform, fulfill, observe, or keep any of the covenants, terms and conditions herein contained on his part to be kept, performed, fulfilled or observed, either, The City may perform or procure to be performed, such and so much of said work as the Contractor shall have failed to perform, or this contract by notice by the said Commissioner, in writing, to the Contractor, the said notice to be served upon the Contractor either personally or by leaving it at his residence or office, shall be forfeited at the option of The City, and the Commissioner shall thereupon have the power and is hereby authorized to procure in the manner prescribed by law so much of said work to be performed as may be necessary to fulfill this contract, and in either such case The City shall have power to charge the costs and expenses of the same to the Contractor, and the costs and expenses so charged shall be deducted and paid by The City out of the special deposit, provided for in clause (D).

Damage to City through Contractor's Delay.

(O) If the Contractor shall fail to comply with the terms and conditions of this contract, in that he should fail to furnish a sufficient number of conveyances for the reception and transportation of the garbage delivered to him at the dumps, then and in such case, in addition to the right of the Commissioner to hire such and so many scows or other conveyances for the reception and transportation of the garbage as may be necessary, and to charge the expense thereof to the Contractor, The City may deduct and retain out of the special deposit, provided for in clause (D), the sum of five dollars for each and every hour during which such failure on the part of the Contractor shall continue, which said sum is hereby fixed and determined as the liquidated damages which will be suffered by The City, by reason of such failure and not by way of penalty, and the time of such failure on the part of the Contractor to furnish a sufficient number of scows or other conveyances for the reception and transportation of the garbage delivered at any of the dumps shall be reckoned as from the time of dumping the last cartload upon a loaded scow until another scow for the reception of garbage is delivered at the dump by the Contractor.

No Estoppel.

(P) The City shall not, nor shall any department or officer thereof, be precluded or estopped by any return or certificate made or given by the Commissioner, or any superintendent or other officer, agent or appointee of the City under any provision of this agreement from at any time (either before or after the final completion and acceptance of the work, showing the true and correct amount and character of the work done and materials furnished by the Contractor, or any other person under this agreement, or from showing at any time that any such return or certificate is untrue and incorrect, or improperly made in any particular or that the work and materials, or any part thereof, do not in fact conform to the specifications; and The City shall not be precluded or estopped, notwithstanding any such return or certificate, from demanding and recovering from the Contractor such damages as it may sustain by reason of his failure to comply with the specifications.

Labor Law.

(Q) The Contractor agrees that he will comply with the provisions of "The Labor Law." He further agrees that no laborer, workman or mechanic in the employ of the Contractor, sub-contractor or other person doing or contracting to do the whole or a part of the work contemplated by this contract shall be permitted or required to work more than eight hours in any one calendar day, except in cases of extraordinary emergency caused by fire, flood or danger to life or property. That the wages to be paid for a legal day's work to all classes of such laborers, workmen or mechanics upon public work or upon any material to be used thereon shall not be less than the prevailing rate for a day's work in the same trade or occupation in the locality where such public work is being constructed. Each such laborer, workman or mechanic shall receive the prevailing rate of wages. This contract shall be void and of no effect unless the person or corporation making or performing the same shall comply with the provisions of sections 3 and 14 of the Labor Law.

Indemnity. [Ordinances, section 519.]

(R) The Contractor, during the performance of this contract, shall take all necessary precautions and place proper guards to prevent accidents and nuisances, or injuries to the person or property of another, and he shall indemnify and save harmless The City from all suits or actions, and damages or costs of every name and description to which The City may be subjected or put by reason of injury to the person or property of another resulting from negligence or carelessness, or from nuisances, on the part of the Contractor, his servants or agents in the performance of the work under this contract, or because of defects in his plant, or by or on account of any act or omission of the Contractor, his servants or agents, and the whole or so much of the special deposit, provided for in clause (D), as shall or may be considered necessary by the Comptroller of The City, shall or may be retained by The City until all such suits or claims for damages shall have been settled or otherwise disposed of, and evidence to that effect furnished to the satisfaction of the Comptroller.

Notice to Contractor.

(S) The residence or place of business given in the bid or estimate upon which this contract is founded, is hereby designated as the place where all notices, letters and other communications shall be served, mailed or delivered. Any notice, letter or other communication addressed to the Contractor and delivered at the above-named place, or deposited in a postpaid wrapper in any post-office box regularly maintained by the post office shall be deemed sufficient service thereof upon the Contractor. The place named may be changed at any time by an instrument, in writing, executed and acknowledged by the Contractor and delivered to the Commissioner. Nothing herein contained shall be deemed to preclude or render inoperative service of any notice, letter or other communication upon the Contractor personally.

Contractor to Pay for Inspection.

(T) The said Commissioner of Street Cleaning shall be and he is hereby authorized to appoint and remove at pleasure, an Engineer or Inspector fully capable to take charge of the work to be done under this contract to inspect the performance of the work under this contract, and to see that the same is done in accordance with the specifications and the terms and conditions of this contract, and the Contractor will, during the term of this contract, pay or cause to be paid to the person so appointed by the said Commissioner of Street Cleaning a salary amounting to Five Thousand Dollars ($5,000) per annum, to be paid to said person in equal monthly installments on or before the first day of each calendar month during the term of this contract.

(U) The proposal for this contract, the bid or estimate upon which this contract has been awarded, the plans and specifications submitted by him along with his bid or estimate, the advertisement of this contract in the "City Record," and the specifications herein contained, shall be and shall be deemed to be parts of this contract.

In witness whereof, The Commissioner of Street Cleaning, on behalf of the said party of the first part, has set his hand, and the said Contractor has likewise set his hand, the day and year first above written, and the said Commissioner and the said Contractor have and each of them has executed this contract in triplicate, one part whereof is to remain with the said Commissioner, one other part to be filed with the Comptroller of The City of New York, and the third part to be delivered to the said Contractor.

.....
Commissioner of Street Cleaning.

.....

.....

.....
Contractor(s).

Signed in presence of

.....

The City, County and State of New York, ss.:

On this.....day of....., 19 ,
before me personally came.....
to me known and known to me to be the Commissioner of Street Cleaning of The City of New York, the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same as such Commissioner of Street Cleaning for the purposes therein mentioned.

.....
Notary Public.

The City, County and State of New York, ss.:

On this.....day of....., 19 ,
before me personally came.....
to me known and known to me to be the same person described in and who executed

the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein mentioned.

.....
Notary Public.

The City, County and State of New York, ss.:

On this.....day of....., 19 , before me personally came..... to me known and known to me to be the President of the..... .....Company, and ..... to me known and known to me to be the..... of said Company, who, being by me severally duly sworn, did say, each for himself, as follows:

The said.....that he was the.....of said Company; and the said.....that he was the .....of said Company, that he knew the corporate seal of said Company; that the seal affixed to the foregoing instrument was such corporate seal; that it was so affixed by order of the Board of Directors of said Company, and that by like order he thereto signed his name and official designation.

.....
Notary Public.

Know All Men by These Presents, That we,..... .....as Principal, and ..... as sureties, are held and firmly bound unto The City of New York, in the sum of One Hundred Thousand Dollars ($100,000), lawful money of the United States of America, to be paid to The City of New York, or to its certain attorneys, successors or assigns; for which payment, well and truly to be made, we and each of us do bind ourselves, and our several and respective heirs, executors and administrators, successors, assigns, or legal representatives, jointly and severally, firmly by these presents.

Sealed with our seals. Dated this.....day of..... one thousand nine hundred and

Whereas, By an instrument in writing, under hand , and seal , bearing even date with these presents, one part whereof is hereto annexed, the above bounden ..... ha contracted with the said The City of New York for the final disposition of garbage in the Boroughs of Manhattan, The Bronx and Brooklyn, in The City of New York, for the period beginning the first day of September, 1912, and endin January 2, 1914, as will in the said contract more fully and at large appear.

Now, Therefore, The conditions of the above obligation are such, that if the said above bounden .....heirs, executors, administrators, successors, assign and legal representatives shall well and turly, do and perform all the work provided for under the said contract, in accordance with the terms and provisions therein stipulated, and in each and every respect comply with the conditions and covenants therein contained, then this obligation to be void; otherwise to remain in full force and virtue.

.....[L. S.]
.....[L. S]
.....[L. S]
.....[L. S]

Signed and sealed in the presence of .....

The City, County and State of New York, ss.:

On this.....day of....., 191 , before me personally came..... to me known and known to me to be the President of the..... ..... Company, and ..... to me known and known to me to be the Secretary of the..... ..... Company, who, being by me severally duly sworn, did say, each for himself, as follows:

The said.....that he was the President of said Company, and the said..... that he was the Secretary of said Company; that he knew the corporate seal of said Company; that the seal affixed to the foregoing instrument was such corporate seal; that it was so affixed by order of the Board of Directors of said Company, and that by like order he thereto signed his name and official designation.

.....
Notary Public.

The City, County and State of New York, ss.:

On this.....day of....., 191 , before me personally came..... to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein mentioned.

.....
Notary Public.

The City, County and State of New York, ss.:

I, ...of said City, being duly sworn, do depose and say, that I am a.....holder in The City of New York, and reside at No.....Street, Borough of.....in said City, and that I am worth the sum of One Hundred Thousand Dollars ($100,000), the amount of security required for the completion of the contract, and stated in the proposal, over and above all my debts and liabilities, including my liabilities as bail, surety and otherwise, and over and above all my property which is exempt by law from execution.

.....
Subscribed and sworn to before me, this.....day of....., 191 .

.....
Notary Public.

The City, County and State of New York, ss.:

I, ...of said City, being duly sworn, do depose and say, that I am a.....holder in The City of New York, and reside at No.....Street, Borough of.....in said City, and that I am worth the sum of One Hundred Thousand Dollars ($100,000), the amount of security required for the completion of the contract, and stated in the proposal, over and above all my debts and liabilities, including my liabilities as bail, surety and otherwise, and over and above all my property which is exempt by law from execution.

.....
Subscribed and sworn to before me, this.....day of....., 191 .

.....
Notary Public.

CITY TO PAY CONTRACTOR.

Department of Street Cleaning of The City of New York, Main Office, 13-21 Park Row, Borough of Manhattan.

TO CONTRACTORS.

PROPOSAL FOR BIDS OR ESTIMATES FOR A CONTRACT, PURSUANT TO SECTION 544 OF THE GREATER NEW YORK CHARTER, FOR THE FINAL DISPOSITION OF GARBAGE IN THE BOROUGHS OF MANHATTAN, THE BRONX AND BROOKLYN, OF THE CITY OF NEW YORK, FOR THE PERIOD, BEGINNING THE FIRST DAY OF SEPTEMBER, 1912, AND ENDING ON JANUARY 2, 1914.

Code of Ordinances, Section 516 (Charter, Section 419).

1. Sealed bids or estimates for the above contract, indorsed with the above title, also with the name of the person or persons making the same and the date of presentation, will be received at the Main Office of the Department of Street Cleaning, until o'clock m. of day, the day of , 191 , at which time and place the bids will be publicly opened by the head of the said Department and read.

2. The records of the Department of Street Cleaning show that the amount of garbage delivered to the present contractor for this work was approximately as follows:

Year.	Manhattan. Tons.	The Bronx, Tons.	Brooklyn, Tons.	Total, Tons.
1907	187,923	21,175	102,360	311,458
1908	195,439	24,359	105,369	325,167
1909	193,438	26,461	108,586	328,485
1910	197,740	30,274	113,725	341,739
1911*	192,943	32,596	117,079	342,618

*Estimated for period from November 1st to December 31st.

Table Showing Cartloads of Garbage Received at Each Dump for Each Month of the Year 1910.

Note—Cartloads in The Bronx carry 2.5 cubic yards water measure and weigh approximately 1,750 pounds. Cartloads in Manhattan, except during the snow season, carry 2 cubic yards and weigh approximately 2,330 pounds; during snow season they carry and weigh the same as those of The Bronx.

Month.	Manhattan.									The Bronx.
	Clinton St.	E. 46th St.	E. 107th St.	E. 139th St.	Canal St.	W. 47th St.	W. 97th St.	Miscel.	Total.	E. 138th St.
January	1,601.50	1,948.00	2,900.75	3,418.75	1,263.50	1,958.75	*.....	234.00	13,325.25	1,538.25
February	1,279.00	1,728.50	2,785.25	3,074.75	1,438.25	1,901.25	*.....	106.25	12,313.25	1,402.50
March	1,698.25	2,273.50	3,310.75	3,596.25	1,687.75	2,259.00	*.....	.....	14,825.50	1,683.00
April	2,304.25	2,572.50	3,974.00	3,882.25	1,833.50	2,713.25	*.....	.....	17,279.75	1,998.25
May	3,159.75	2,690.00	5,031.25	4,011.50	1,984.25	3,030.00	*.....	89.50	19,996.25	2,485.00
June	3,459.50	2,729.25	4,920.25	4,213.00	2,226.25	2,960.75	*.....	.....	20,509.00	2,451.50
July	3,147.25	2,704.50	4,589.75	4,065.75	2,202.75	2,697.50	*.....	.....	19,407.50	2,375.75
August	2,319.00	2,666.25	4,628.00	4,474.00	2,296.75	2,849.00	*.....	411.25	19,644.25	2,535.25
September	2,634.75	2,576.50	4,831.50	4,681.50	2,145.50	2,837.50	*.....	.....	19,707.25	2,768.75
October	2,207.00	2,557.50	4,570.00	4,469.75	2,251.25	2,849.50	*.....	.....	18,905.00	2,453.50
November	1,878.00	2,305.50	3,735.75	3,718.50	2,187.50	2,482.25	*.....	.....	16,307.50	1,986.25
December	1,462.25	2,029.50	3,447.50	3,574.00	2,111.75	1,661.75	*.....	386.75	14,673.50	1,767.25
Total	27,150.50	28,781.50	48,724.75	47,180.00	23,629.00	30,200.50	*.....	1,227.75	206,894.00	25,445.25

*Dump opened April 17, 1911.

Brooklyn:

Month.	Sixth Street.	Clinton Avenue.	Coney Island.	Total.
January	2,562.25	4,362.75	.....	6,925.00*
February	2,121.75	3,979.50	.....	6,101.25
March	2,590.75	5,023.75	.....	7,614.50
April	2,888.25	5,874.50	.....	8,762.75
May	2,969.00	6,835.75	406.00	10,210.75
June	2,900.25	7,334.25	867.75	11,102.25
July	2,904.00	7,120.75	1,251.25	11,276.00
August	2,988.00	7,740.75	1,264.75	11,993.50
September	3,213.00	8,235.00*	985.25	12,433.25
October	3,158.25	7,350.50	229.00	10,737.75
November	2,814.00	5,958.25	.....	8,772.25
December	2,824.25	4,971.25	.....	7,795.50
Total	33,933.75	74,787.00	5,004.00	113,724.75

*Location of dump changed to Washington avenue.

3. The purpose of this contract is to provide for the final disposition of all garbage collected by the Department of Street Cleaning, or by others authorized to collect the same, within the Boroughs of Manhattan, The Bronx and Brooklyn.

4. The Contractor's plant must be capable of receiving and finally disposing of 2,000 tons of 2,000 pounds each of garbage per day.

5. The period of the work under this contract will be from September 1, 1912, to January 2, 1914.

6. The amount of security required is One Hundred Thousand Dollars ($100,000).

7. Permission will not be given for the withdrawal of any bid or estimate.

(Charter, Section 419.)

8. No bid will be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter as surety or otherwise upon any obligation to The City of New York.

(Code of Ordinances, Section 511.)

9. The person or persons making a bid or estimate shall furnish the same in a sealed envelope indorsed with the title given above, of the work for which the bid or estimate is made, with his or their name or names and the date of presentation to the head of said Department at the said office, on or before the date and hour above named.

(Code of Ordinances, Section 512—Charter, Section 1533.)

10. Each bid or estimate shall contain the name and place of residence of the person or persons making the same, the names of all persons interested with him or them therein, and, if no other person be so interested, it shall distinctly state that fact; also that it is made without any connection with any oher person making a bid or estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, head of Department, chief of a bureau, deputy thereof or clerk therein, or other officer of The City of New York, is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise, in or in the performance of the contract, work or

business to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified, by the oath in writing, of the party making the same that the several matters stated therein are in all respects true.

(Code of Ordinances, Section 514.)

11. Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders, or of a guaranty or surety company duly authorized by law to act as surety, and shall contain the matters set forth in the blank forms mentioned below.

(Charter, Section 544.)

12. A special deposit of forty thousand dollars ($40,000) in cash will be required to be made with the Comptroller of The City of New York, on or before the signing, sealing and delivery of the contract, thirty thousand dollars ($30,000) of this amount, or the unexpended portion thereof, to be returned to the Contractor at the end of one year, and ten thousand dollars ($10,000) of the said amount to remain on deposit with the said Comptroller until the completion of the contract, or other termination thereof.

Charter, Section 544.

13. Each bid or estimate must be accompanied by a certified check on a solvent banking corporation in The City of New York, payable to the order of the Comptroller, for five per centum of the amount for which the work bid for is proposed in any one year to be performed.

Charter, Section 544.

14. Each bid or estimate must be accompanied by complete plans and specifications, such plans and specifications to be sufficient fully to set forth the methods to be used by the Contractor and the result to be secured, and to describe and locate the place or places where the Contractor is to perform the work of final disposition of the materials. No such plans and specifications will be considered, unless they describe a system which has been in successful operation in some City of the United States or Europe, of such size, that the Commissioner shall deem it of sufficient importance, as a field of experience. Said plans and specifications shall provide also for the transporting conveyances, whether by land or water, if any, which it is proposed to employ, with the understanding that these shall be of a kind to be approved by the Commissioner of Street Cleaning.

15. The Contractor will be required to receive garbage at waterfront dumps in all the Boroughs. The Contractor will be required to receive garbage at not to exceed three (3) waterfront dumps in the Borough of The Bronx, and not to exceed ten (10) waterfront dumps in the Borough of Manhattan, which may be provided by The City of New York within the life of this contract, and in the Borough of Brooklyn not to exceed six (6) waterfront dumps, one of the said six dumps to be furnished by the Contractor at his own cost and expense, at a location to be approved of by the Commissioner; the location of all the dumps may be changed at any time with the consent or by the direction of the said Commissioner.

16. The compensation to be paid to the Contractor must be stated at a price for the period to which the contract is limited, and this price must be written in full and also be given in figures, and all garbage, whether more or less than the quantity as above estimated shall be received and properly disposed of by the Contractor without any extra or other compensation than said prices per annum for the whole amount actually received, and these sums shall cover all and every cost and expense of transportation, however incurred, from the time that the garbage is delivered to the Contractor, excepting that whenever the Board of Health, under the authority of the New York Charter, shall condemn any materials such as described in Section 1210 of the said Charter, the Contractor shall receive and finally dispose of said materials at the price or sum of one dollar and fifty cents ($1.50) per cart load of one and one-half cubic yards, water measure, capacity, or in like proportion.

17. Bidders must satisfy themselves by personal examination and by such other means as they may select as to the accuracy of the foregoing estimate of the amount of materials, and as to the quantity and nature of the work to be done, and shall not at any time after the submission of a bid or estimate dispute or complain of such statement or estimate of the Commissioner, or assert that there was any misunderstanding in regard to the nature or amount of work to be done.

Charter, Section 544.

18. The said Commissioner reserves the right to select from the bids or estimates that bid or estimate, the acceptance of which will, in his judgment, best secure the efficient performance of the work, or he may reject any or all of said bids or estimates.

19. Bidders are requested to make their bids or estimates upon the blank form prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained on application therefor at the office of said Commissioner, Nos. 13 to 21 Park row, Borough of Manhattan.

....., Commissioner of Street Cleaning.

New York, ..., 191..

THE CITY OF NEW YORK--DEPARTMENT OF STREET CLEANING.

CONTRACT AND SPECIFICATIONS FOR THE FINAL DISPOSITION OF GARBAGE IN THE BOROUGHS OF MANHATTAN, THE BRONX AND BROOKLYN, IN THE CITY OF NEW YORK, FOR THE PERIOD BEGINNING THE FIRST DAY OF SEPTEMBER, 1912, AND ENDING JANUARY 2, 1914.

Parties.

This agreement made and entered into this ..... day of ....., in the year one thousand nine hundred and ....., by and between The City of New York, party of the first part, acting by and through the Commissioner of Street Cleaning, and ..... Contractor, party of the second part, pursuant to the provisions of the Greater New York Charter:

Covenant.

Witnesseth: That the parties to these presents, each in consideration of the agreements on the part and behalf of the other herein contained, have mutually agreed and hereby mutually agree, the party of the first part for itself and its successors, and the party of the second part for himself and his executors, administrators, assigns and legal representatives, as follows:

Parties Described.

(A) Wherever in this contract the term "The City" is used it shall be taken to mean The City of New York, the party of the first part to this contract, and wherever the term "Commissioner" occurs, it shall be understood as applying to the Commissioner of Street Cleaning, and to his authorized representative and representatives, and wherever the term "Contractor" or pronouns referring to the same occurs or occur, the same shall be taken to intend the party or parties, as the case may be, of the second part of this contract; wherever the word "Superintendent" is used in these specifications or in this contract, it refers to and designates the Superintendent of Final Disposition, acting directly or through any Assistant, duly appointed by the said Commissioner and designated therefor, having general charge of the work, or through any such Assistant, having immediate charge of a portion thereof, limited by the particular duties entrusted to him.

Purpose of the Contract.

(B) The purpose of this contract is to provide for the final disposition of all the garbage collected by the Department of Street Cleaning, or by others authorized to collect the same, within the Boroughs of Manhattan, The Bronx and Brooklyn, which the City agrees to deliver at the places and in the manner herein specified.

Contract to Conform to the Law, etc.

Charter, Section 544.

(C) The Contractor will perform the work under this contract so as to comply with all the laws of the State of New York, the Sanitary Code of The City of New York, the laws of the United States, the orders, rules and regulations of the State Board of Health, and the ordinances of the Board of Aldermen of The City of New York, so far as they are in force and relate to the dumping, placing, or final disposition of such material, and so as not to create any obligation, claim, or demand, or to furnish any just ground for any action, suit or legal proceeding against The City of New York, or the Department of Street Cleaning of The City of New York and do the work hereinbefore mentioned in strict conformity to the following specifications.

SPECIFICATIONS.

Definition of "Garbage."

1. Wherever the term "garbage" is used in this contract, it shall be taken to mean swill and every accumulation of food waste, of both animal and vegetable matter, liquid or otherwise, that shall be collected by the carts of the Department of Street Cleaning or by carts duly authorized to collect the same and delivered at the dumps and containing not more than five (5) per centum of other refuse.

Definition of "Dumps."

2. Wherever the words "dump" or "dumps" are used in this contract, they and each of them shall be taken to mean the place, or places, and all parts and appurtenances thereof for receiving the garbage to be der this contract, and not exceeding nineteen (19) in number.

Harbor Regulations to be Observed.

3. As the Supervisor of the Harbor, under the laws of the United States, has control over all boats and vessels in the harbor of New York, relative to the removal and disposition of City refuse about the said harbor, all requirements of these specifications are made subject to such jurisdiction and control of the Supervisor of the Harbor, and the Contractor is at all times to obtain the necessary permit before any boat or vessel is removed from any dump and is fully to comply with all other rules and regulations of said officer made in compliance with the law.

As to the Use of the Slips.

4. As the Department of Docks and Ferries has the exclusive control over all docks, slips, piers and structures erected thereon, except as otherwise provided by law, the Contractor is not to use the slips adjacent to any dump for the purpose of conducting any business or removing any garbage or material other than the garbage required to be removed by the terms of this contract, unless permission in writing therefor is first had and obtained from the said Department of Docks and Ferries.

Contractor Not to Receive Fees, etc.

5. No money, reward, gratuity, fee or other valuable consideration except the compensation agreed upon under this contract to be paid by the City shall be charged, received or taken by the Contractor or any of his agents or employees for doing or failing to do any part of the work required to be done under this agreement.

Treatment of Garbage Must be Effective.

6. All the garbage is to be disposed of in a manner not prejudicial to the public health and the process employed by the Contractor is to be not only not noisome in its operations, but also to be effective as to final results.

Work to be Always Open for Inspection.

7. The entire work of final disposition is to be at all times accessible to the Commissioner and his authorized representatives and under his supervision and inspection, and subject to his approval.

Contractor to Keep Scows Ready.

8. The Contractor is at all times during the day and night to have at all dumps, not exceeding nineteen (19) in number, such a number of transporting conveyances as may be necessary for the proper reception and transportation of all garbage delivered at said dumps.

Commissioner May Change Location of Dumps.

9. The Commissioner is to have the right at any time to change the location of any City dump or dumps in the Boroughs of Manhattan, The Bronx and Brooklyn, if in his judgmentt the interests of The City shall so require, and without previous notice to the Contractor; but as soon as possible after such change of location shall have been made, the Commissioner is to notify the Contractor thereof.

Garbage to be Handled at Dumps Only Except by Commissioner's Permission.

10. No place other than the dumps provided for in this contract is to be used by the Contractor for the receiving or handling of garbage except by special written permission of the Commissioner previously obtained.

Scows, etc., to be Kept Clean and Inoffensive.

11. All receptacles, scows or conveyances of what kind soever used by the Contractor are to be so constructed and loaded as to prevent the garbage or any part thereof from falling into or defiling the water of New York Harbor or the waters adjacent thereto, and the said receptacles, scows or conveyances and each of them is to be kept and maintained in a clean and sanitary condition to the satisfaction of the Commissioner.

Garbage to be Removed Within Twenty-four Hours—(Charter, section 123).

12. The garbage received at the several dumps is to be removed therefrom at least once in every twenty-four hours, unless the Commissioner shall for special reasons extend in writing the time for such removal.

13. All labor necessary for the loading and trimming of the receptacles, scows or other conveyances employed by the Contractor is to be furnished by the said Contractor.

Contractor to Keep Dumps in Repair.

14. The Commissioner is to repair all damage done by the Contractor to the City dumps; for account of and at the cost and expense of the Contractor, and the amount of such expense may be deducted and retained by The City from the moneys due or to become due to the Contractor under this contract.

Telephone Service.

15. The Contractor shall provide and maintain at his own expense an office in connection with the work of this contract conveniently located and will provide at his own cost and expense telephone service at all hours of the day and night at said office.

Character of Employees.

16. Any person in the employ of the Contractor who, in the opinion of the Commissioner, may be untrustworthy, incompetent, or otherwise unfitted to perform his duties, or who shall refuse to obey the orders of the Commissioner or his duly authorized representative, is to be dismissed on the request of the Commissioner, and any person so dismissed is not again to be employed by the Contractor without the Commissioner's written consent.

Construction of the Plant.

17. The Contractor will provide, keep in operation and working order a plant of a capacity ample to dispose of at least two thousand (2,000) tons of 2,000 pounds each of garbage in each twenty-four hours, and have the same complete by the time that work is to begin under this contract.

Contract Provisions (Continued).

Special Deposit. Condition of the Same.

(D) The Contractor is to deposit with the Comptroller of The City of New York, on or before the signing, sealing and delivery of this contract the sum of Forty Thousand Dollars ($40,000), in lawful money of the United States, as an addittonal security for the faithful performance of the terms and conditions of this agreement, as a fund to be drawn upon by the Commissioner of Street Cleaning to pay for any expense that may be incurred under this agreement by said Commissioner or The City by reason of the failure of the Contractor to comply with the said terms and conditions, and it is mutually agreed that the said sum of Forty Thousand Dollars ($40,000) shall remain on deposit with the said Comptroller without interest for the term of one year, and if not wholly used for the purpose for which the same was deposited, Thirty Thousand Dollars ($30,000), or the unexpended portion thereof shall be returned to the Contractor, his assigns or personal representatives, and the balance of Ten Thousand Dollars ($10,000) shall likewise be returned to him or them, upon the completion of the contract, or other termination thereof.

If Contractor Fails to Begin Work.

(E) If the Contractor shall delay or neglect to begin the work of final disposition under this contract on the first day of September, 1912, The City may perform the same or any portion thereof for such period of neglect or delay, and charge the whole expense thereof to the Contractor, and deduct the same from any moneys retained, accruing, due, or to grow due under this contract.

Character of the Methods of Work.

(F) The Contractor will at all times use such appliances, processes, devices or methods, and employ such and so many men for the performance of all operations connected with the work under this contract as will secure a satisfactory rate of progress and quality of work, and if at any time during the progress of the work such appliances, processes, devices or methods, or such force of persons employed by the Contractor appear to the Commissioner to be inefficient, insufficient or inappropriate for securing the quality of work required or the necessary rate of progress, the Commissioner shall have the power to direct the Contractor to increase the efficiency or improve the character of the appliances, processes, devices or methods, or to increase the number of persons employed by him and the Contractor shall thereupon conform to such direction, but the failure of the Commissioner to demand such increase, or efficiency or improvement shall in no manner be deemed to relieve the Contractor from his obligation to secure the quality of work and rate of progress established by any of the terms or conditions of this contract, and in case it shall at any time appear that the work or any part thereof shall in any manner be unfaithful or imperfect, the same shall be immediately corrected on the demand of the Commissioner, and no failure on the part of any inspector or other officer or employee of the Department of Street Cleaning to call attention to such defect shall be held to be a waiver of the Commissioner's right to direct the same to be corrected as aforesaid or to estop the Commissioner therefrom.

Prices.

(G) The Contractor shall furnish and maintain his plant and perform all the work required to be done by him under this contract for the prices or sums of

For the period from September 1, 1912, to January 2, 1914..... ..... dollars ($),

to be paid by the party of the first part to the Contractor in equal monthly payments during such time in each and every year that the Contractor shall perform the work under this contract.

No Other or Greater Compensation.

(H) The above-mentioned prices or sums shall be the sole compensation for the work to be performed under this contract, excepting as provided in the proposal of this contract for materials condemned by the Board of Health, and no claim shall be made by the Contractor for any greater or extra compensation, and he shall not ask, demand, sue for or recover for the entire work any extra compensation beyond the amount payable as aforesaid for the work which shall actually be performed at the said prices, nor have any claim for, nor ask, demand, sue for or recover any extra or other compensation, whether claimed as anticipated profits or as loss or otherwise, in case the daily amount of garbage delivered as aforesaid shall be materially or in any degree greater or less than the quantity estimated, stated, or indicated, in the proposal for bid or estimate for this contract, nor shall anything herein contained be deemed or construed to imply or impose any obligation on the part of The City to deliver to the Contractor any specific amount of garbage whatsoever, it being understood, however, that The City will deliver to the Contractor at the dumps aforesaid all the garbage which may be collected by the carts of the Department of Street Cleaning, as well as by private carts, so far as they can be controlled by the said Department.

Times of Payment.

[Code of Ordinances, Section 518.]

(I) The City will pay or cause to be paid to the Contractor monthly, one equal sixteenth part of the sum aforesaid to be paid under this contract on the 15th day of each month during the continuance thereof, provided, however, that The City may and shall deduct and retain from each of such amounts or payments as the same shall become due ten per centum thereof, the same conditioned upon the faithful performance by the Contractor of the terms and conditions of this contract on his part to be performed, to be paid to the Contractor within thirty days after the 31st day of December, next ensuing.

Commissioner's Certificate.

(J) On or before the 5th day of each month during the continuance of this contract in which the Contractor shall have performed work hereunder, the Commissioner shall certify the amount payable to the Contractor, in writing, to the Comptroller of The City of New York for payment, and said certificate shall be a condition precedent to the right of the Contractor to receive payment for such work under this contract or otherwise, and the Contractor shall be bound and concluded thereby, and shall be bound and concluded by the action of the said Commissioner as evidenced thereby.

No Waiver.

(K) The fact that the Department of Street Cleaning may inspect the work or any part thereof shall not be held to be or contribute a waiver of the strict performance by the Contractor of all his obligations under this contract to perform the work in a good efficient and expeditious manner.

Interpretation of Contract.

(L) All parts of this contract and the specifications are intended to be explanatory of each other, and in case any ambiguity or doubt as to the meaning of any part thereof or of any obscurity as to the wording thereof or of any part thereof shall arise, the same will be explained by the Superintendent, whose determination shall be final, and all directions and explanations requisite, proper or necessary to complete or make more definite any of the provisions thereof and to give them due effect shall be given by the Commissioner, and his decision thereon and his interpretation of the same shall be final and conclusive.

Work Pending Annulment Proceedings.

(M) If at any time the Contractor shall abandon this contract and refuse to proceed thereunder, the said Commissioner, pending proceedings to cancel and annul this contract, as herein provided, is hereby authorized and empowered to take possession of the plant, scows and other means of transportation and final disposition of the garbage hereinbefore referred to, belonging or theretofore used by the Contractor, and at the expense and on account of the Contractor to hire and employ as many men as may be necessary and operate said plant and do and perform the work provided for under this contract.

Not to Assign or Sublet.

[General Municipal Law, Section 87.]

(N) The Contractor will give his personal attention constantly to the faithful performance of this contract; he will not assign, transfer, convey, sublet or otherwise dispose of this contract, or his right, title or interest in or to the same or any part hereof, without the previous consent in writing of the Commissioner indorsed hereon or hereto attached; and he will not assign, by power of attorney or otherwise, any of the moneys due or to become due and payable under this contract, unless by and with the like consent signified in like manner. If the Contractor shall, without such previous written consent, assign, transfer, convey, sublet or otherwise dispose of this contract, or of his right, title or interest therein, or any of the moneys due or to become due under this contract, to any other person, company or other corporation, this contract may, at the option of the Commissioner, be revoked and annulled, and The City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor, and to his assignee or transferee; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors, made pursuant to the statutes of the State of New York; and no right under this contract, or to any money to become due hereunder shall be asserted against The City in law or in equity, by reason of any so-called assignment of this contract, or any part thereof, or of any moneys to grow due hereunder, unless authorized as aforesaid by the written consent of the Commissioner.

Abandonment of Contract.

(O) If this contract shall be abandoned, or if at any time the Contractor shall fail to perform the work hereunder at the time and in the manner specified herein with promptness and diligence, or shall omit to perform, fulfill, observe, or keep any of the covenants, terms and conditions herein contained on his part to be kept, performed, fulfilled or observed, either, The City may perform or procure to be performed, such and so much of said work as the Contractor shall have failed to perform, or this contract after three days' notice by the said Commissioner, in writing, to the Contractor, the said notice to be served upon the Contractor either personally or by leaving it at his residence or office, shall be forfeited at the option of The City, and the Commissioner shall thereupon have the power and is hereby authorized to procure in the manner prescribed by law so much of said work to be performed as may be necessary to fulfill this contract, and in either such case The City shall have power to charge the costs and expenses of the same to the Contractor, and the costs and expenses so charged shall be deducted and paid by The City out of such moneys as may be then due or at any time thereafter may grow due to the Contractor under and by virtue of this contract, and in case such costs and expenses shall exceed the sum which would have been payable under this contract if the same had been completed by the Contractor, then the Contractor shall and will pay the amount of such excess to The City, and in case such costs and expenses shall be less than the sum which would have been payable under this contract if the same has been completed by the Contractor, then the Contractor shall forfeit all claim to the difference.

Damage to City through Contractor's Delay.

(P) If the Contractor shall fail to comply with the terms and conditions of this contract, in that he should fail to furnish a sufficient number of conveyances for the reception and transportation of the garbage delivered to him at the dumps, then and in such case, in addition to the right of the Commissioner to hire such and so many scows or other conveyances for the reception and transportation of the garbage as may be necessary, and to charge the expense thereof to the Contractor, The City may deduct and retain out of the moneys due or to become due to the Contractor under this contract, the sum of Five Dollars for each and every hour during which such failure on the part of the Contractor shall continue, which said sum is hereby fixed and determined as the liquidated damages, which will be suffered by The City, by reason of such failure and not by way of penalty, and the time of such failure on the part of the Contractor to furnish a sufficient number of scows or other conveyances for the reception and transportation of the garbage delivered at any of the dumps shall be reckoned as from the time of dumping the last cartload upon a loaded scow until another scow for the reception of garbage is delivered at the dump by the Contractor.

No Estoppel.

(Q) The City shall not, nor shall any department or officer thereof, be precluded or estopped by any return or certificate made or given by the Commissioner, or any superintendent or other officer, agent or appointee of the City under any provision of this agreement from at any time (either before or after the final completion and acceptance of the work and payment therefor pursuant to any such return or certificate) showing the true and correct amount and character of the work done and materials furnished by the Contractor, or any other person under this agreement, or from showing at any time that any such return or certificate is untrue and incorrect, or improperly made in any particular or that the work and materials, or any part thereof, do not in fact conform to the specifications; and The City shall not be precluded or estopped, notwithstanding any such return or certificate and payment in accordance therewith, from demanding and recovering from the Contractor such damages as it may sustain by reason of his failure to comply with the specifications.

The Lien Law.

(R) If at any time before or within thirty days after the whole work herein agreed to be performed has been performed and properly completed in accordance with this contract and to the satisfaction of the Commissioner of Street Cleaning by the Contractor, any person or persons claiming to have performed any labor or furnished any machine, implement, appliance or material toward the performance or completion of this contract, shall file or cause to be filed with the Department of Street Cleaning and with the head of the Finance Department of The City of New York any such notice as is provided for in any lien law of the State of New York, then, and in every such case The City shall retain, anything herein contained to the contrary thereof notwithstanding, from the moneys under its control and due or to grow due from it under this contract, so much of such moneys as shall be sufficient to pay off, satisfy and discharge the amount in such notice alleged or claimed to be due to the person or persons filing such notice, or causing the same to be filed, together with the reasonable costs of any action or actions brought to enforce such claim or the lien created by the filing of such notice. The moneys so retained shall be retained by The City until the lien thereon created by the said act and the filing of the said notice shall be discharged pursuant to the provisions of the said act.

Labor Law.

(S) The Contractor agrees that he will comply with the provisions of "The Labor Law." He further agrees that no laborer, workman or mechanic in the employ of the Contractor, sub-contractor or other person doing or contracting to do the whole or a part of the work contemplated by this contract shall be permitted or required to work more than eight hours in any one calendar day, except in cases of extraordinary emergency caused by fire, flood or danger to life or property. That the wages to be paid for a legal day's work to all classes of such laborers, workmen or mechanics upon public work or upon any material to be used thereon shall not be less than the prevailing rate for a day's work in the same trade or occupation in the locality where such public work is being constructed. Each such laborer, workman or mechanic shall receive the prevailing rate of wages. This contract shall be void and of no effect unless the person or corporation making or performing the same shall comply with the provisions of sections 3 and 14 of the Labor Law.

Indemnity. [Ordinances, section 519.]

(T) The Contractor, during the performance of this contract, shall take all necessary precautions and place proper guards to prevent accidents and nuisances, or injuries to the person or property of another, and he shall indemnify and save harmless The City from all suits or actions, and damages or costs of every name and description to which The City may be subjected or put by reason of injury to the person or property of another resulting from negligence or carelessness, or from nuisances, on the part of the Contractor, his servants or agents in the performance of the work under this contract, or because of defects in his plant, or by or on account of any act or omission of the Contractor, his servants or agents, and the whole or so much of the moneys due or to grow due to the Contractor under this agreement, as shall or may be considered necessary by the Comptroller of The City, shall or may be retained by The City until all such suits or claims for damages shall have been settled or otherwise disposed of, and evidence to that effect furnished to the satisfaction of the Comptroller.

Notice to Contractor.

(U) The residence or place of business given in the bid or estimate upon which this contract is founded, is hereby designated as the place where all notices, letters and other communications shall be served, mailed or delivered. Any notice, letter or other communication addressed to the Contractor and delivered at the above-named place, or deposited in a postpaid wrapper in any post-office box regularly maintained by the post office shall be deemed sufficient service thereof upon the Contractor. The place named may be changed at any time by an instrument, in writing, executed and acknowledged by the Contractor and delivered to the Commissioner. Nothing herein contained shall be deemed to preclude or render inoperative service of any notice, letter or other communication upon the Contractor personally.

Period of Contract Subject to Appropriation Therefor.

(V) The term during which this contract shall be in force shall be for the period beginning with the first day of September, 1912, and ending on January 2, 1914, provided, always, however, that the continuance of this contract from year to year during the said period shall be conditioned upon the act of the Board of Estimate and Apportionment of The City of New York, in making from year to year the necessary appropriation therefor.

[Charter, Section 149.]

(W) This contract shall not be binding or of any force unless the Comptroller of The City of New York shall indorse hereon his certificate that there remains unexpended and unapplied, as provided in the Greater New York Charter, a balance of the appropriation or fund applicable thereto sufficient to pay the estimated expense of executing this contract, as certified by the officers making the same.

Contractor to Pay for Inspection.

(X) The said Commissioner of Street Cleaning shall be and he is hereby authorized to appoint and remove at pleasure, an Engineer or Inspector fully capable to take charge of the work to be done under this contract to inspect the performance of the work under this contract, and to see that the same is done in accordance with

the specifications and the terms and conditions of this contract, and the Contractor will, during the term of this contract, pay or cause to be paid to the person so appointed by the said Commissioner of Street Cleaning a salary amounting to Five Thousand Dollars ($5,000) per annum, to be paid to said person in equal monthly installments on or before the first day of each calendar month during the term of this contract.

(Y) The proposal for this contract, the bid or estimate upon which this contract has been awarded, the plans and specifications submitted by him along with his bid or estimate, the advertisement of this contract in the "City Record," and the specifications herein contained, shall be and shall be deemed to be parts of this contract.

In witness whereof, The Commissioner of Street Cleaning, on behalf of the said party of the first part, has set his hand, and the said Contractor has likewise set his hand, the day and year first above written, and the said Commissioner and the said Contractor have and each of them has executed this contract in triplicate, one part whereof is to remain with the said Commissioner, one other part to be filed with the Comptroller of The City of New York, and the third part to be delivered to the said Contractor.

.....
Commissioner of Street Cleaning.
.....
.....
.....
Contractor(s).

Signed in presence of

.....

The City, County and State of New York, ss.:

On this.....day of....., 19 , before me personally came..... to me known and known to me to be the Commissioner of Street Cleaning of The City of New York, the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same as such Commissioner of Street Cleaning for the purposes therein mentioned.

.....
Notary Public.

The City, County and State of New York, ss.:

On this.....day of....., 19 , before me personally came..... to me known and known to me to be the same person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein mentioned.

.....
Notary Public.

The City, County and State of New York, ss.:

On this.....day of....., 19 , before me personally came..... to me known and known to me to be the President of the.....Company, and ..... to me known and known to me to be the..... of said Company, who, being by me severally duly sworn, did say, each for himself, as follows:

The said.....that he was the.....of said Company; and the said.....that he was the .....of said Company, that he knew the corporate seal of said Company; that the seal affixed to the foregoing instrument was such corporate seal; that it was so affixed by order of the Board of Directors of said Company, and that by like order he thereto signed his name and official designation.

.....
Notary Public.

Know All Men by These Presents, That we,..... .....as Principal, and ..... as sureties, are held and firmly bound unto The City of New York, in the sum of One Hundred Thousand Dollars ($100,000), lawful money of the United States of America, to be paid to The City of New York, or to its certain attorneys, successors or assigns; for which payment, well and truly to be made, we and each of us do bind ourselves, and our several and respective heirs, executors and administrators, successors, assigns, or legal representatives, jointly and severally, firmly by these presents.

Sealed with our seals. Dated this.....day of..... one thousand nine hundred and

Whereas, By an instrument in writing, under hand , and seal , bearing even date with these presents, one part whereof is hereto annexed, the above bounden ..... ha contracted with the said The City of New York for the final disposition of garbage in the Boroughs of Manhattan, The Bronx and Brooklyn, in The City of New York, for the period beginning the first day of September, 1912, and ending January 2, 1914, as will in the said contract more fully and at large appear.

Now, Therefore, The conditions of the above obligation are such, that if the said above bounden .....heirs, executors, administrators, successors, assigns and legal representatives shall well and truly, do and perform all the work provided for under the said contract, in accordance with the terms and provisions thereof stipulated, and in each and every respect comply with the conditions and covenants therein contained, then this obligation to be void; otherwise to remain in full force and virtue.

.....[L. s.]
.....[L. s.]
.....[L. s.]
.....[L. s.]

Signed and sealed in the presence of

.....

The City, County and State of New York, ss.:

On this.....day of....., 191 , before me personally came..... to me known and known to me to be the President of the..... Company, and ..... to me known and known to me to be the Secretary of the..... Company, ... who, being by me severally duly sworn, did say, each for himself, as follows:

The said.....that he was the President of said Company, and the said..... that he was the Secretary of said Company; that he knew the corporate seal of said Company; that the seal affixed to the foregoing instrument was such corporate seal; that it was so affixed by order of the Board of Directors of said Company, and that by like order he thereto signed his name and official designation.

.....
Notary Public.

The City, County and State of New York, ss.:

On this.....day of....., 191 , before me personally came..... to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein mentioned.

.....
Notary Public.

The City, County and State of New York, ss.:

I, ...of said City, being duly sworn, do depose and say, that I am a.....holder in The City of New York, and reside at No.....Street, Borough of.....in said City, and that I am worth the sum of One Hundred Thousand Dollars ($100,000), the amount of security required for the completion of the contract, and stated in the proposal, over and above all my debts and liabilities, including my liabilities as bail, surety and otherwise, and over and above all my property which is exempt by law from execution.

.....

Subscribed and sworn to before me, this.....day of....., 191 .

.....
Notary Public.

The City, County and State of New York, ss.:

I, ...of said City, being duly sworn, do depose and say, that I am a.....holder in The City of New York, and reside at No.....Street, Borough of.....in said City, and that I am worth the sum of One Hundred Thousand Dollars ($100,000), the amount of security required for the completion of the contract, and stated in the proposal, over and above all my debts and liabilities, including my liabilities as bail, surety and otherwise, and over and above all my property which is exempt by law from execution.

.....

Subscribed and sworn to before me, this.....day of....., 191 .

.....
Notary Public.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 31, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—Under date of January 13, 1912, I submitted to this Board a report on the communication dated January 2, 1912, from the Street Cleaning Commissioner, requesting approval of the terms and conditions of a proposed contract for the final disposition of garbage in the Boroughs of Manhattan, The Bronx and Brooklyn, for a period of five years, beginning September 1, 1912. Action on that report was deferred for one week. On January 25, the date of the last meeting of the Board, I received a letter from the Commissioner of Street Cleaning in which he suggested changes in the contracts. These changes were so important that it was considered necessary to postpone action for another week.

I have considered the new questions and desire to submit this report as a substitute for the one dated January 13, 1912.

There are two important matters to be considered. The first is the time length of the contract. In my opinion, the contract, instead of being for a period of five years, should expire on January 2, 1914, simultaneously with the contracts for the removal of ashes and rubbish in Manhattan and The Bronx, four days after the expiration of the contract for the removal of ashes and rubbish in Brooklyn. To do this, would enable the City to make a single contract for the removal of garbage, ashes and rubbish. It is believed that a single contract covering all the refuse would not only save money which the City is now paying, but would bring in a considerable revenue to the City.

To have a single contract dated January 2, 1914, would leave a gap of four days between the expiration of the present Brooklyn contract for ashes and rubbish and the beginning of a new contract, but this would not be a serious matter as the work could be performed by the City for this short period, if necessary.

The next question is of greater importance, in that it involves a payment to the City for the privilege of removing garbage instead of a payment by the City for the removal of garbage. Figures which have been submitted to this Board show that the present contractors are making very large profits by the utilization of the garbage. These profits are so large that they compel the belief that a contractor could well afford to pay a large price to the City for the privilege of removing and disposing of the garbage.

I have had the Principal Assistant Engineer of the Finance Department prepare a form of contract to take the place of the one submitted by the Street Cleaning Commissioner. He was assisted in the preparation of this new form of contract by Assistant Corporation Counsel John L. O'Brien and by the Engineer who represents the Street Cleaning Department in the final disposition of garbage.

This new form of contract provides that the contract shall begin the first day of September, 1912, and end January 2, 1914. Provision is made for payment by the Contractor to the City. This provision is made in Clause G, which requires that the Contractor shall furnish and maintain the plant and perform all the work required and pay the City the amount of his bid in equal monthly payments during the period of contract.

The only exception to payment by the Contractor to the City is in that part of the contract requiring the contractor to remove all materials condemned by the Board of Health.

Section 1210 of the Charter requires that such condemned goods shall be removed by the expense of the owner. Heretofore, this section has not been enforced. The Contractor has been asked, from time to time, to remove condemned goods but has frequently objected to such work as being outside the contract.

The proposed contract provides for a payment of $1.00 per cubic yard for the removal of such condemned goods. This is stated to be a reasonable price, in view of the fact that the condemned goods are usually rotten fruit or vegetables almost entirely water and with no value for utilization purposes. The quantity of condemned goods to be removed is stated to be very small, in fact, averaging only four or five cubic yerds per day. The cost of the removal of the condemned goods is not to be borne finally by the City, but is to be collected by the City from the owner of the condemned goods, under section 1210 of the Greater New York Charter.

The form of contract herewith submitted follows, to some extent, the original contract submitted by the Commissioner of Street Cleaning, but many material changes have been made. Most of these changes are due to the proposition that the City shall be paid by the Contractor.

As I stated in my original report, I think it is wrong for a private contractor to pay the salary of a City employee who has been appointed to supervise the work of the Contractor, and if the proposed form were for a five-year period, I would recommend the elimination of that Clause which provides for such payment.

However, in view of the fact that the contract is for only fourteen months, I waive my objections and recommend that the Clause be included. The provision in question is in Clause T, in the form of contract providing for payment by the Contractor to the City, and in Clause X in the form providing for payment by the City to the Contractor.

There is a possibility that if the Street Cleaning Commissioner advertises a contract under which a contractor can make payment *to* the City but not receive payment *from* the City, no bid will be received. This would cause a delay of about a month, as it would be necessary for the Board of Estimate and Apportionment to approve the terms and conditions of an alternative form of contract by which contractors could bid to receive money from the City.

In order to avoid possible delay, it might be advisable for the Board of Estimate and Apportionment to approve, at this time, not only the form of contract by which bidders will be asked to offer payment to the City, but also to approve an alternative form of contract by which they can bid to receive money from the City. These two forms of contract could be advertised simultaneously.

Attached hereto are resolutions approving both forms of contract. I recommend their adoption. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 544 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the terms and conditions contained in the contract submitted by the Commissioner of Street Cleaning under date of January 2, 1912, as revised by the Department of Finance, for final disposition of garbage in the Boroughs of Manhattan, The Bronx and Brooklyn, for a period beginning September 1, 1912, and ending January 2, 1914, and which provides for payment by the contractor to the City of a sum to be determined by public competition.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following resolution was offered:

Resolved, That, pursuant to the provisions of Section 544 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the terms and conditions contained in the form of contract submitted by the Commissioner of Street Cleaning, under date of January 2, 1912, as revised by the Department of Finance, for final disposition of garbage in the Boroughs of Manhattan, The Bronx and Brooklyn, for a period beginning September 1, 1912, and ending January 2, 1914, which provides for payment by the City to the Contractor for the work of removing garbage, of a sum to be determined by public competition.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following resolution was offered by the President of the Borough of Manhattan:

Resolved, That the chairman appoint a committee of two members of this board to study the matter of the final disposition of garbage, ashes and city refuse, and to report to the board its recommendations as to the future policy and plan to be followed in passing upon contracts involving the appropriation of moneys for these purposes.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller relative to the modification of Salary Schedule No. 474, supporting the appropriation made in the Budget for the year 1912, for said Department, to be effective as of January 1, 1912, providing for a decrease in the salary of a Draftsman from $1,500 to $900, and of a Clerk from $900 to $300 and for an increase in the salary of a Clerk from $900 to $1,050:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, January 9, 1912.

JOSEPH HAAG, Esq., *Secretary, Board of Estimate and Apportionment,* 277 Broadway, New York:

Dear Sir—In the Salary Schedule supporting appropriation of 1912, out of which are paid the salaries of the Water Registrar's men, there is a vacancy in the line for Draftsman, at $1,500. I do not intend to fill that position at that rate. There is also in the same schedule a vacancy among the clerkships at $900 per annum, which I do not intend to fill at that rate.

I do desire, however, to increase one Clerk, now receiving $900 per annum, to $1,050, and to do that I respectfully request that the Board of Estimate and Apportionment reduce the schedule line of Draftsman from $1,500 to $900 and the vacancy for Clerk from $900 to $300, as shown in the accompanying modified schedule, which leaves an unassigned balance of $1,050. Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 24, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 9, 1912, the Commissioner of Water Supply, Gas and Electricity requested modification of a schedule for salaries of regular employees in his department for 1912. In connection therewith I report as follows:

The request is in No. 474, Personal Service, Water Revenue Collection, Salaries, Regular Employees. It is proposed to decrease a Draftsman from $1,500 to $900, and a Clerk from $900 to $300, and increase a Clerk from $900 to $1,050 and schedule the $1,050 balance as unassigned.

The line item changes, in detail, are as follows:

Account No.	Line Item.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
474	Clerk, 28 at $1,050	.....	$1,050 00	.....	$1,050 00
	Clerk, 73 at $900	$1,800 00	.....	$1,800 00	.....
	Clerk, 2 at $300	.....	300 00	.....	300 00
	Draftsman, at $1,500	1,500 00	.....	1,500 00	.....
	Draftsman, at $900	.....	900 00	.....	900 00
	Balance unassigned	.....	1,050 00	.....	1,050 00
		$3,300 00	$3,300 00	$3,300 00	$3,300 00

The attached resolution, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Water Supply, Gas and Electricity for the year 1912, to be effective as of January 1, 1912, as follows:

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Water Revenue Collection.

474	Salaries, Regular Employees—	
	Water Registrar	$6,000 00
	Water Registrar	3,000 00
	Auditor	3,500 00
	Cashier, 2 at $2,500	5,000 00
	Cashier, 2 at $1,500	3,000 00
	Clerk, 3 at $2,100	6,300 00
	Clerk, 2 at $1,800	3,600 00
	Clerk, 11 at $1,650	18,150 00
	Clerk, 11 at $1,500	16,500 00
	Clerk, 11 at $1,350	14,850 00
	Clerk, 3 at $1,200	3,600 00
	Clerk, 29 at $1,050	30,450 00
	Clerk, 71 at $900	63,900 00
	Clerk, 3 at $300	900 00
	Bookkeeper	1,350 00
	Stenographer and Typewriter, 4 at $1,200	4,800 00
	Stenographer and Typewriter, 6 at $1,050	6,300 00
	Stenographer and Typewriter	900 00
	Typewriting Copyist, 6 at $900	5,400 00
	Telephone Operator	1,050 00
	Draftsman	900 00
	Automobile Engineman	1,200 00
	Pilot	1,200 00
	Chief of Meter Testing and Repairs	2,000 00
	General Inspector	1,800 00
	Chief Inspector	1,500 00
	Inspector	1,800 00
	Inspector	1,650 00
	Inspector, 3 at $1,500	4,500 00
	Inspector, 9 at $1,350	12,150 00
	Inspector, 5 at $1,200	6,000 00
	Inspector, 141 at $1,100	155,100 00
	Foreman	900 00
	Unassigned balance	1,050 00
		$390,300 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The Secretary presented the following communication from the President of the Borough of The Bronx requesting, and report of the Comptroller recommending, the modification of Salary Schedule No. 1877, supporting the appropriation made in the Budget for the year 1912, for the office of said Borough President, providing for a decrease in the salary of an Assistant Engineer from $2,100 to $1,800, of 3 Inspectors from $1,500 to $1,200, and one from $1,350 to $1,200, and for the addition of one Inspector at $1,200 per annum, respectively:

City of New York, President of the Borough of The Bronx, 3d Avenue and 177th Street, Office of the President, January 10, 1912.

To the Honorable the Board of Estimate and Apportionment:

Gentlemen—Request is hereby respectfully made for a modification of the schedule lines supporting the appropriation made to the President of the Borough of The Bronx, for the year 1912, to take effect January 1, 1912, entitled:

Buildings.

1877	Inspection, Salaries, Regular Employees—	
	Chief Inspector	$3,000 00
	General Inspector	2,100 00
	Assistant Engineer	2,400 00
	Assistant Engineer	1,800 00
	Inspector of Plumbing and Drainage	1,800 00
	Inspectors, 2 at $1,650	3,300 00
	Inspectors, 31 at $1,500	46,500 00
	Inspector	1,350 00
	Inspectors, 13 at $1,200	15,600 00
	Unassigned balance	150 00
		$78,000 00

The unassigned balance of $150 represents a net decrease in the total of the appropration, which comprises a readjustment of the Field and Inspection Force, to the extent below shown.

Decreases.

1 Assistant Engineer, rate reduced from $2,100 to $1,800	$300 00
3 Inspectors at $1,500	4,500 00
1 Inspector	1,350 00
	$6,150 00
Increase.	
5 Inspectors at $1,200	6,000 00
Net decrease	$150 00

Respectfully, CYRUS C. MILLER, President, Borough of The Bronx.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 23, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 10, 1912, the President of the Borough of The Bronx requested modification of the 1912 schedule for the Bureau of Buildings, No. 1877, Inspection, Salaries, Regular Employees. In connection therewith I report as follows:

It is proposed to decrease an Assistant Engineer from $2,100 to $1,800 per annum; three Inspectors from $1,500 to $1,200, and one from $1,350 to $1,200. One Inspector at $1,200 is to be added, the balance of $150 to be scheduled as unassigned. The President states that the five Inspectors at $1,200 are to be employed in compliance with the provisions of chapter 156 of the Laws of 1911, in part, as follows:

60.—Supervision of plastering by building department. The building department of every city of the first class shall have jurisdiction over all plastering except where it conflicts with the duties of any other department or conflicts with any law conferring on any other department supervision of any portion of plastering. For such purpose there shall be appointed in each building department in a city of the first class by the head thereof a sufficient number of inspectors to perform such work as is necessary in the enforcement of this article who, in addition to such qualifications as may be required by the civil service law, shall be competent plasterers of at least ten years' practical experience.

The following table shows the line item changes in detail:

Account No.	Schedule Line.	Schedule Transfer. Increase.	Schedule Transfer. Decrease.	Cash Transfer. Increase.	Cash Transfer. Decrease.
1877	Assistant Engineer, $2,100	.....	$2,100 00	.....	$2,100 00
	Assistant Engineer, $1,800	$1,800 00	.....	$1,800 00	.....
	Inspector, 34 at $1,500	.....	4,500 00	.....	4,500 00
	Inspector, 2 at $1,350	.....	1,350 00	.....	1,350 00
	Inspector of Plastering	6,000 00	.....	6,000 00	.....
	Unassigned balance	150 00	.....	150 00	.....
		$7,950 00	$7,950 00	$7,950 00	$7,950 00

In view of the foregoing, I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the office of the President of the Borough of The Bronx for the year 1912, as follows:

PRESIDENT OF THE BOROUGH OF THE BRONX.

Personal Service, Bureau of Buildings, Inspection.

1877	Salaries, Regular Employees—	
	Chief Inspector	$3,000 00
	General Inspector	2,100 00
	Assistant Engineer	2,400 00
	Assistant Engineer	1,800 00
	Inspector of Plumbing and Drainage	1,800 00
	Inspectors, 2 at $1,650	3,300 00
	Inspectors, 31 at $1,500	46,500 00
	Inspector	1,350 00
	Inspector of Plastering, 5 at $1,200	6,000 00
	Inspectors, 8 at $1,200	9,600 00
	Balance unassigned	150 00
		$78,000 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The Secretary presented the following communication from the Department of Taxes and Assessments requesting, and report of the Comptroller recommending, the modification of Salary Schedule No. 1363, supporting the appropriation made in the Budget for the year 1912, for said Department, to be effective as of January 1, 1912, providing for the elimination of a Deputy Tax Commissioner, at $3,250, and the addition of one at $2,400 per annum respectively, in order to make the 1912 Budget schedule conform to the December, 1911, payroll:

Department of Taxes and Assessments of The City of New York, Borough of Manhattan, Hall of Records, January 15, 1912.

Honorable Board of Estimate and Apportionment:

Gentlemen—At a meeting of the Board of Taxes and Assessments, held on the 12th instant, a resolution was adopted directing that request be made upon the Board of Estimate and Apportionment for such amendment to the "schedule support-

ing appropriations to this Department for salaries and wages" as would make the said schedule conform to that which is transmitted herewith.

This change is requested on account of recent changes in the Department which make necessary such a modification of the schedule. Respectfully,

C. ROCKLAND TYNG, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 23, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 15, 1912, the Commissioners of Taxes and Assessments requested modification of the 1912 schedule for the Department of Taxes and Assessments entitled, Personal Service, Administration, No. 1363, Salaries, Regular Employees. In connection therewith I report as follows:

It is proposed to strike out a Deputy Tax Commissioner, at $3,250, and add one at $2,400. In December, 1911, the schedule for that year was modified by your Board. In addition to the above, it is proposed to make the 1912 schedule conform to the December payroll. The following table shows the line item changes in detail:

Account No.	Schedule Line.	Schedule Transfer. Increase.	Schedule Transfer. Decrease.	Cash Transfer. Increase.	Cash Transfer. Decrease.
1363	Deputy Tax Commissioner, 16 at $3,250	.....	$6,500 00	.....	$6,500 00
	Deputy Tax Commissioner, 17 at $2,700	.....	2,700 00	.....	2,700 00
	Deputy Tax Commissioner, 31 at $2,400	$7,200 00	.....	$7,200 00	.....
	Clerk, 25 at $1,200	1,200 00	.....	1,200 00	.....
	Clerk, 23 at $1,050	.....	1,050 00	.....	1,050 00
	Clerk, 15 at $900	900 00	.....	900 00	.....
	Clerk, 3 at $540	540 00	.....	540 00	.....
	Clerk, at $420	.....	420 00	.....	420 00
	Unassigned balance	830 00	.....	830 00	.....
		$10,670 00	$10,670 00	$10,670 00	$10,670 00

I recommend the approval of the request by the adoption of the attached resolution. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Taxes and Assessments for the year 1912, to be effective as of January 1, 1912, as follows:

DEPARTMENT OF TAXES AND ASSESSMENTS.

Personal Service, Administration.

1363	Salaries, Regular Employees—	
	President	$8,000 00
	Commissioner, 6 at $7,000	42,000 00
	Secretary	4,500 00
	Assistant Secretary	3,200 00
	Assistant Commissioner	5,000 00
	Assistant Commissioner, 6 at $2,500	15,000 00
	Deputy Tax Commissioner	4,500 00
	Deputy Tax Commissioner, 8 at $4,000	32,000 00
	Deputy Tax Commissioner, 5 at $3,500	17,500 00
	Deputy Tax Commissioner, 14 at $3,250	45,500 00
	Deputy Tax Commissioner, 6 at $3,000	18,000 00
	Deputy Tax Commissioner	2,850 00
	Deputy Tax Commissioner, 16 at $2,700	43,200 00
	Deputy Tax Commissioner, 13 at $2,550	33,150 00
	Deputy Tax Commissioner, 34 at $2,400	81,600 00
	Deputy Tax Commissioner	1,650 00
	Surveyor	7,000 00
	Chief Deputy of Real Estate	7,000 00
	Chief Deputy of Personal Estate	4,000 00
	Chief Clerk	3,000 00
	Chief Clerk, 3 at $2,550	7,650 00
	Clerk, 6 at $1,800	10,800 00
	Clerk, 8 at $1,650	13,200 00
	Clerk, 17 at $1,500	25,500 00
	Clerk, 14 at $1,350	18,900 00
	Clerk, 26 at $1,200	31,200 00
	Clerk, 22 at $1,050	23,100 00
	Clerk, 16 at $900	14,400 00
	Clerk, 27 at $750	20,250 00
	Clerk, 2 at $600	1,200 00
	Clerk, 4 at $540	2,160 00
	Searcher, 3 at $1,500	4,500 00
	Searcher, 2 at $1,350	2,700 00
	Searcher, 3 at $1,200	3,600 00
	Confidential Stenographer, 2 at $1,650	3,300 00
	Confidential Stenographer	1,500 00
	Confidential Stenographer, 2 at $1,350	2,700 00
	Confidential Stenographer, 2 at $1,200	2,400 00
	Messenger	1,800 00
	Messenger, 4 at $1,350	5,400 00
	Book Typewriter, 5 at $1,050	5,250 00
	Balance unassigned	830 00
		$580,990 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The Secretary presented the following communication from the Acting President of the Borough of Manhattan requesting, and report of the Comptroller relative to, the modification of Salary Schedules Nos. 1786, 1789, 1791, 1808, 1809, 1812 supporting the appropriation made in the Budget for the year 1912, for the office of the President of the Borough of Manhattan, providing for changes in schedules to meet present payroll conditions, and for the elimination of certain positions and the substitution of others:

City of New York, Office of the President of the Borough of Manhattan, City Hall, December 29, 1911.

JOSEPH HAAG, ESQ., *Secretary of Board of Estimate and Apportionment*, 277 Broadway, New York City:

Dear Sir—Request is hereby made that the schedules attached to the Budget of the President of the Borough of Manhattan for the year 1912 be amended so as to read as follows:

General Administration—

1786.	Salaries, Regular Employees:	
	Borough President	$7,500 00
	Commissioner of Public Works	7,200 00
	Assistant Commissioner of Public Works	6,000 00
	Consulting Engineer	7,200 00
	Secretary of the Borough	5,000 00
	Secretary to the President	4,000 00
	Auditor	4,000 00
	Secretary to Commissioner of Public Works	3,300 00
	Bookkeeper	2,550 00
	Clerk	2,850 00
	Clerk	2,550 00
	Clerk	2,400 00
	Clerk	2,250 00
	Clerk, 2 at $2,100	4,200 00
	Clerk	1,950 00
	Clerk, 2 at $1,800	3,600 00
	Clerk, 5 at $1,650	8,250 00
	Clerk, 3 at $1,500	4,500 00
	Clerk, 3 at $1,350	4,050 00
	Clerk, 4 at $1,050	4,200 00
	Clerk, 3 at $900	2,700 00
	Clerk	720 00
	Stenographer and Typewriter to Borough President	2,100 00
	Stenographer and Typewriter	1,650 00
	Stenographer and Typewriter, 2 at $1,500	3,000 00
	Stenographer and Typewriter, 4 at $1,200	4,800 00
	Stenographer and Typewriter, 5 at $1,050	5,250 00
	Stenographer and Typewriter	900 00
	Typewriting Copyist, 2 at $720	1,440 00
	Messenger	1,500 00
	Messenger, 2 at $1,050	2,100 00
	Messenger, 2 at $900	1,800 00
	Custodian	900 00
	Assistant Custodian	720 00
	Automobile Engineman	1,500 00
	Inspector	1,800 00
	Inspector	1,650 00
	Inspector of Repairs and Supplies, 2 at $1,500	3,000 00
	Chemist	2,700 00
	Assistant Chemist	1,350 00
	Laboratory Assistant	900 00
	Engineer	5,000 00
	Assistant Engineer	5,000 00
	Assistant Engineer	3,000 00
	Assistant Engineer, 2 at $2,400	4,800 00
	Assistant Engineer	2,250 00
	General Foreman	1,800 00
	Telephone Operator	1,050 00
	Attendant	1,200 00
	Attendant	1,050 00
	Attendants, 2 at $900	1,800 00
	Confidential Inspector	1,800 00
		$158,780 00

The changes in the foregoing are (1) the elimination of an Inspector of Repairs and Supplies at $1,200 and the substitution of one at $1,500 per annum, constituting an increase in salary of $300; (2) the elimination of an Assistant Engineer at $2,700 and the substitution of one at $3,000 per annum, constituting an increase in salary of $300; (3) the elimination of an Assistant Engineer at $2,700 per annum and the substitution of one at $2,250 per annum, constituting a decrease in salary of $450; (4) the elimination of an Inspector at $1,800 per annum and the substituton of one at $1,650 per annum, constituting a decrease in salary of $150. The total salary increase is $600 and the total decrease is $600, so that this change comes within the provisions of resolution of the Board of Estimate and Apportionment governing salary increases. The total of the schedule is unchanged so that no transfer of funds is required.

Engineering, Design and Survey—

1789	Salaries, Regular Employees, Tax Levy and Corporate Stock Force:	
	Assistant Engineer	$3,150 00
	Assistant Engineer	2,400 00
	Assistant Engineer, 2 at $2,100	4,200 00
	Assistant Engineer	1,800 00
	Transitman and Computer, 2 at $1,800	3,600 00
	Transitman and Computer, 2 at $1,650	3,300 00
	Transitman and Computer, 5 at $1,500	7,500 00
	Mechanical Draftsman	1,650 00
	Mechanical Draftsman	1,500 00
	Topographical Draftsman	1,650 00
	Topographical Draftsman, 8 at $1,500	12,000 00
	Topographical Draftsman, 9 at $1,200	10,800 00
	Junior Draftsman, 6 at $900	5,400 00
	Sounder	900 00
	Rodman, 10 at $1,050	10,500 00
	Rodman, 7 at $900	6,300 00
	Axeman, 16 at $900	14,400 00
	Clerk	1,800 00
	Clerk	580 00
	Messenger	1,200 00
	Schedule total	$94,630 00
	Tax levy, part allowance	$36,272 86
	Corporate stock, part allowance	58,357 14
	Total allowance	$94,630 00

Under Code No. 1789 an Assistant Engineer at $1,950, a Transitman and Computer at $1,650, four (4) Axemen at $900 and a Messenger at $900 are eliminated. A Transitman and Computer at $1,800, a Topographical Draftsman at $1,200, two (2) Rodmen at $1,050, two (2) Rodmen at $900 and a Messenger at $1,200 are added. The purpose of the change is the rearrangement of vacant positions in such a way as to meet the requirements of the Department at the beginning of the year. There is but one increase in salary involved—that of a Transitman, from $1,650 to $1,800 per annum. This is offset by decrease in salaries under Code No. 1809 as appears below.

Bureau of Highways, Engineering—

1791	Salaries, Regular Employees:	
	Assistant Engineer	$4,000 00
	Assistant Engineer	2,400 00
	Assistant Engineer, 2 at $2,100	4,200 00
	Rodman	1,200 00
	Automobile Engineman	1,200 00
	Unassigned balance	300 00
		$13,300 00

Under Code No. 1791 an Assistant Engineer is reduced from $2,400 to $2,100 per annum. Increases to offset this decrease are made under Code No. 1808, as indicated below.

Bureau of Public Buildings and Offices, Administration—

1808	Salaries, Regular Employees:	
	Superintendent	$5,000 00
	Assistant Engineer	3,500 00
	Assistant Engineer	2,550 00
	Assistant Engineer	2,100 00
	Assistant Engineer	1,800 00
	Mechanical Engineer	2,550 00
	Mechanical Engineer	2,100 00
	Structural Steel Draftsman	1,800 00
	Mechanical Draftsman	1,800 00
	Mechanical Draftsman	1,500 00
	Architectural Draftsman	1,800 00
	Inspector of Public Buildings and Offices	1,500 00
	Storekeeper	1,800 00
	Stenographer and Typewriter	1,500 00
	Clerk	1,650 00

Clerk	1,200 00
Clerk	1,050 00
Telephone Operator, 2 at $900	1,800 00
Telephone Operator, 2 at $750	1,500 00
Attendant	1,050 00
Attendant	720 00
Automobile Engineman	1,350 00
Unassigned balance	130 00
	$41,750 00

The changes under Code No. 1808 are the following: An Assistant Engineer is increased from $1,900 to $2,100 per annum, and a Clerk from $900 to $1,050 per annum. An Attendant is reduced from $1,200 to $1,050 per annum and an Attendant from $1,050 to $720 per annum. The total increase of $350 is more than offset by the total decrease of $480 and by a decrease of $300 under Code No. 1791.

1809 Salaries, Regular Employees:

Inspector	$1,500 00
Foreman, 2 at $1,200	2,400 00
Attendant	1,050 00
Unassigned balance	150 00
	$5,100 00

The only change in this schedule is the decrease of an Inspector from $1,350 to $1,200 per annum. This decrease is offset by an increase in the salary of a Transitman under Code No. 1789, as heretofore stated.

1812 Salaries, Regular Employees:

Telephone Operator, 2 at $900	$1,800 00
Janitor	1,500 00
Janitors, 9 at $1,200	10,800 00
Janitors, 3 at $1,050	3,150 00
Janitor	900 00
Watchmen, 4 at $900	3,600 00
Attendants, 3 at $720	2,160 00
Cleaners (female), 185 at $360	66,600 00
Elevatormen, 25 at $900	22,500 00
Unassigned balance	60 00
	$113,070 00

Under Code No. 1812 a Cleaner at $360 and a Janitor at $900 are eliminated. A Janitor at $1,200 is added. This change involves an increase in compensation of one (1) Janitor from $900 to $1,050 per annum. This is offset by a reduction in salaries under Code Nos. 1791 and 1808..

It is requested that this modification be acted upon as promptly as possible in order that there may be no delay in the preparation of the January payrolls.

Very truly yours,
E. V. FROTHINGHAM, Acting President, Borough of Manhattan.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 26, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 29, 1911, the President of the Borough of Manhattan requested modifications of six salary schedules in his office, for the year 1912. In connection therewith I report as follows:

In No. 1786, General Administration, Salaries, Regular Employees, an Inspector of Repairs and Supplies, at $1,200, is to be eliminated and one at $1,500 substituted. This change is to provide for payment of the 1911 rate to Abraham A. Cantor, who was increased from $1,200 to $1,500 on October 1, 1911. An Assistant Engineer, at $2,700, also is to be eliminated and one at $3,000 substituted. This change is to increase the salary of John F. Sullivan, First Assistant to the Consulting Engineer. Mr. Sullivan was appointed on September 27, 1910, at $2,100; on January 1, 1911, he was increased to $2,250, and in the Budget for 1912, provision for his salary was made at $2,700. The funds necessary for the increases are to be provided by decreasing an Assistant Engineer from $2,700 to $2,250, and an Inspector from $1,800 to $1,650 per annum.

In No. 1789, Engineering, Design and Survey, Salaries, Regular Employees, Tax Levy and Corporate Stock Force, an Assistant Engineer, at $1,950, a Transitman and Computer, at $1,650, four Axemen, at $900 each, and a Messenger, at $900, are to be eliminated. A Transitman and Computer, at $1,800, a Topographical Draftsman, at $1,200, two Rodmen, at $1,050, two Rodmen, at $900, and a Messenger, at $1,200, are to be added. The purpose of these changes is to rearrange vacant positions in a way to meet the present requirements of the Division. One increase of salary is proposed, a Transitman from $1,650 to $1,800. The incumbent is James McKenna, Transitman and Computer, who was appointed on October 8, 1906, at $1,800. In the Budget for 1912, he was provided for at $1,650, but it has since been decided to continue him at $1,800. The line item of Messenger involves no actual increase as the $900 position is vacant, and it is proposed to transfer a Messenger already in service at $1,200. The increase is offset by a decrease in salaries, under No. 1809.

In No 1791, Bureau of Highways, Engineering, Salaries, Regular Employees, an Assistant Engineer is reduced from $2,400 to $2,100.

In No. 1808, Bureau of Public Buildings and Offices, Administration, Salaries, Regular Employees, it is proposed to increase Mr. Walter J. Gillen, an Assistant Engineer, from $1,900 to $2,100.

Mr. Gillen was appointed on November 16, 1910, at $1,800. In the Budget for 1912 he was provided for at $1,900. Miss Carrie Simoni, a Clerk, is to be increased from $900 to $1,050. Miss Simoni was appointed an Attendant at $60 a month, on July 20, 1903. On July 1, 1909, her salary was fixed at $720 per annum, and on July 1, 1910, her title changed to Clerk at the present rate. An Attendant is to be decreased from $1,200 to $1,050, and one from $1,050 to $720. The proposed increases are offset by the decreases.

In No. 1809, Bureau of Public Buildings and Offices, Maintenance, Salaries, Regular Employees, an Inspector is to be reduced from $1,350 to $1,200; the $150 offsets the increase to Transitman in No. 1789.

In No. 1812, Operation, Public Buildings, Salaries, Regular Employees, a Cleaner, female, at $360, and a Janitor, at $900, are to be eliminated, and a Janitor, at $1,200, added. The change is proposed to increase the salary of John J. Rooney, appointed February 24, 1908, at $780, and increased on January 1, 1909, to $900. It is also proposed to continue a Janitor at his 1911 rate of $1,200. The 1912 Budget called for $1,050 for the incumbent. The total increases of $300 is offset by reductions under Nos. 1791 and 1808.

The following schedule shows the line item changes in detail:

Code No.	Schedule Line.	Schedule Transfer. Increase.	Schedule Transfer. Decrease.	Cash Transfer. Increase.	Cash Transfer. Decrease.
1786	Inspector of Repairs and Supplies, 1 at $1,200	.....	$1,200 00	.....	$1,200 00
	Inspector of Repairs and Supplies, 1 at $1,500	$1,500 00	.....	$1,500 00	.....
	Assistant Engineer, 2 at $2,700	.....	5,400 00	.....	5,400 00
	Assistant Engineer, at $3,000	3,000 00	.....	3,000 00	.....
	Assistant Engineer, at $2,250	2,250 00	.....	2,250 00	.....
	Inspectors, 2 at $1,800	.....	1,800 00	.....	1,800 00
	Inspector, at $1,650	1,650 00	.....	1,650 00	.....
1789	Assistant Engineer, 1 at $1,950	.....	1,950 00	.....	1,950 00
	Transitman, at $1,800	1,800 00	.....	1,800 00	.....
	Transitman and Computer, 3 at $1,650	.....	1,650 00	.....	1,650 00
	Axeman, 20 at $900	.....	3,600 00	.....	3,600 00
	Messenger, $900	.....	900 00	.....	900 00
	Topographical Draftsman, 8 at $1,200	1,200 00	.....	1,200 00	.....
	Rodmen, 8 at $1,050	2,100 00	.....	2,100 00	.....
	Rodmen, 5 at $900	1,800 00	.....	1,800 00	.....
	Messenger, at $1,200	1,200 00	.....	1,200 00	.....
1791	Assistant Engineer, 2 at $2,400	.....	2,400 00	.....	2,400 00
	Assistant Engineer, at $2,100	2,100 00	.....	2,100 00	.....
	Balance Unassigned	300 00	.....	300 00	.....
1808	Assistant Engineer, 1 at $1,900	.....	1,900 00	.....	1,900 00
	Clerk, 1 at $900	.....	900 00	.....	900 00
	Clerk, at $1,050	1,050 00	.....	1,050 00	.....
	Assistant Engineer, at $2,100	2,100 00	.....	2,100 00	.....
	Attendant, 1 at $1,200	.....	1,200 00	.....	1,200 00
	Attendant, at $720	720 00	.....	720 00	.....
	Balance Unassigned	130 00	.....	130 00	.....
1809	Foreman, at $1,350	.....	1,350 00	.....	1,350 00
	Foreman, at $1,200	1,200 00	.....	1,200 00	.....
	Balance Unassigned	150 00	.....	150 00	.....
1812	Janitors, 8 at $1,200	1,200 00	.....	1,200 00	.....
	Janitors, 2 at $900	.....	900 00	.....	900 00
	Cleaner, Female, 186 at $360	.....	360 00	.....	360 00
	Balance Unassigned	60 00	.....	60 00	.....
		$25,510 00	$25,510 00	$25,510 00	$25,510 00

The rearrangement provided for by the modification leaves the totals of the schedules unchanged.

The attached resolution, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the President of the Borough of Manhattan for the year 1912, as follows:

President, Borough of Manhattan, General Administration, Administration.

1786 Salaries, Regular Employees—

Borough President	$7,500 00
Commissioner of Public Works	7,200 00
Assistant Commissioner of Public Works	6,000 00
Consulting Engineer	7,200 00
Secretary of the Borough	5,000 00
Secretary to the President	4,000 00
Auditor	4,000 00
Secretary to Commissioner of Public Works	3,300 00
Bookkeeper	2,550 00
Clerk	2,850 00
Clerk	2,550 00
Clerk	2,400 00
Clerk	2,250 00
Clerk, 2 at $2,100	4,200 00
Clerk	1,950 00
Clerk, 2 at $1,800	3,600 00
Clerk, 5 at $1,650	8,250 00
Clerk, 3 at $1,500	4,500 00
Clerk, 3 at $1,350	4,050 00
Clerk, 4 at $1,050	4,200 00
Clerk, 3 at $900	2,700 00
Clerk	720 00
Stenographer and Typewriter to Borough President	2,100 00
Stenographer and Typewriter	1,650 00
Stenographer and Typewriter, 2 at $1,500	3,000 00
Stenographer and Typewriter, 4 at $1,200	4,800 00
Stenographer and Typewriter, 5 at $1,050	5,250 00
Stenographer and Typewriter	900 00
Typewriting Copyist, 2 at $720	1,440 00
Messenger	1,500 00
Messenger, 2 at $1,050	2,100 00
Messenger, 2 at $900	1,800 00
Custodian	900 00
Assistant Custodian	720 00
Automobile Engineman	1,500 00
Inspector	1,800 00
Inspector	1,650 00
Inspector of Repairs and Supplies, 2 at $1,500	3,000 00
Chemist	2,700 00
Assistant Chemist	1,350 00
Laboratory Assistant	900 00
Engineer	5,000 00
Assistant Engineer	5,000 00
Assistant Engineer	3,000 00
Assistant Engineer, 2 at $2,400	4,800 00
Assistant Engineer	2,250 00
General Foreman	1,800 00
Telephone Operator	1,050 00
Attendant	1,200 00
Attendant	1,050 00
Attendant, 2 at $900	1,800 00
Confidential Inspector	1,800 00
	$158,780 00

General Administration—Engineering, Design and Survey.

1789 Salaries, Regular Employees (Tax Levy and Corporate Stock Force)—

Assistant Engineer	$3,150 00
Assistant Engineer	2,400 00
Assistant Engineer, 2 at $2,100	4,200 00
Assistant Engineer	1,800 00
Transitman and Computer, 2 at $1,800	3,600 00
Transitman and Computer, 2 at $1,650	3,300 00
Transitman and Computer, 5 at $1,500	7,500 00
Mechanical Draughtsman	1,650 00
Mechanical Draughtsman	1,500 00
Topographical Draughtsman	1,650 00
Topographical Draughtsman, 8 at $1,500	12,000 00
Topographical Draughtsman, 9 at $1,200	10,800 00
Junior Draughtsman, 6 at $900	5,400 00
Sounder	900 00
Rodman, 10 at $1,050	10,500 00
Rodman, 7 at $900	6,300 00
Axeman, 16 at $900	14,400 00
Clerk	1,800 00
Clerk	580 00
Messenger	1,200 00
Schedule Total	$94,630 00
Tax Levy Part Allowance	$36,272 86
Corporate Stock Part Allowance	58,357 14
Total Allowance	$94,630 00

Highways—Engineering.

1791 Salaries, Regular Employees—

Assistant Engineer	$4,000 00
Assistant Engineer	2,400 00
Assistant Engineer, 2 at $2,100	4,200 00
Rodman	1,200 00

	Automobile Engineman	1,200 00
	Balance unassigned	300 00
		$13,300 00

Public Buildings and Offices.

1808	Administration, Salaries, Regular Employees—	
	Superintendent	$5,000 00
	Assistant Engineer	3,500 00
	Assistant Engineer	2,550 00
	Assistant Engineer	2,100 00
	Assistant Engineer	1,800 00
	Mechanical Engineer	2,550 00
	Mechanical Engineer	2,100 00
	Structural Steel Draftsman	1,800 00
	Mechanical Draftsman	1,800 00
	Mechanical Draftsman	1,500 00
	Architectural Draftsman	1,800 00
	Inspector of Public Buildings and Offices	1,500 00
	Storekeeper	1,800 00
	Stenographer and Typewriter	1,500 00
	Clerk	1,650 00
	Clerk	1,200 00
	Clerk	1,050 00
	Telephone Operator, 2 at $900	1,800 00
	Telephone Operator, 2 at $750	1,500 00
	Attendant	1,050 00
	Attendant	720 00
	Automobile Engineman	1,350 00
	Balance unassigned	130 00
		$41,750 00

Public Buildings and Offices, Maintenance.

1809	Salaries, Regular Employees—	
	Inspector	$1,500 00
	Foreman, 2 at $1,200	2,400 00
	Attendant	1,050 00
	Balance unassigned	150 00
		$5,100 00

Public Buildings and Offices, Operation, Public Buildings.

1812	Salaries, Regular Employees—	
	Telephone Operator, 2 at $900	$1,800 00
	Janitor	1,500 00
	Janitor, 9 at $1,200	10,800 00
	Janitor, 3 at $1,050	3,150 00
	Janitor	900 00
	Watchman, 4 at $900	3,600 00
	Attendant, 3 at $720	2,160 00
	Cleaner (female), 185 at $360	66,600 00
	Elevatorman, 25 at $900	22,500 00
	Balance unassigned	60 00
		$113,070 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The Secretary presented the following communication from the Acting President of the Borough of Manhattan requesting, and report of the Comptroller recommending, the modification of Salary Schedules Nos. 1795, 1796, 1806, 1810, 1813, supporting the appropriation made in the Budget for the year 1912, for the office of the President of the Borough of Manhattan, in order to have the schedules conform to the present payroll conditions, involving the transfer of $3,925:

City of New York, Office of the President of the Borough of Manhattan, City Hal, December 28, 1911.

JOSEPH HAAG, Esq., *Secretary of Board of Estimate and Apportionment*, 277 Broadway, New York City:

Dear Sir—Request is hereby made that the supporting schedules attached to the Budget of the President of the Borough of Manhattan for the year 1912 be amended so as to read as follows:

1795	Wages, Regular Employees—	
	Assistant Foreman, 1 at $3.50 per day (304 days)	$1,064 00
	Assistant Foreman, 11 at $3 per day (304 days)	10,032 00
	Foreman, 2 at $4 per day (304 days)	2,432 00
	Driver, 1 at $4 per day (304 days)	1,216 00
	Driver, 1 at $3.50 per day (304 days)	1,064 00
	Laborer, 3 at $2.50 per day (366 days)	2,745 00
	Laborer, 17 at $2.50 per day (304 days)	12,920 00
		$31,473 00

The changes in the above schedule are the following:

The number of Assistant Foremen at $3 per day is changed from 12 to 11 in order to correct an error in the Budget as printed. An Assistant Foreman at $2.50 per day is eliminated, and a Laborer at the same rate is added.

1796	Wages, Temporary Employees—	
	Tax Levy and Special and Trust Fund Force:	
	Foremen at $4 per day (1,320 days)	$5,280 00
	Foremen at $3.50 per day (3,080 days)	10,780 00
	Assistant Foremen at $3.50 per day (880 days)	3,080 00
	Assistant Foremen at $2.50 per day (2,225 days)	5,562 50
	Pavers at $5 per day (14,405 days)	72,025 00
	Rammers at $4 per day (5,805 days)	23,220 00
	Laborers at $3 per day (225 days)	675 00
	Laborers at $2.75 per day (225 days)	618 75
	Laborers at $2.50 per day (34,459 days)	85,647 50
	Schedule total	$206,888 75
	Tax Levy, part allowance	$187,548 75
	Special and Trust Fund, part allowance	19,340 00
	Total allowance	$206,888 75

Under this Code Number allowances for Foremen at $4 per day and Foremen at $3.50 per day are rearranged. This action is necessary for the reason that a number of proposed increases from $3.50 to $4 per day contemplated at the time the Budget was prepared are impossible under the terms of a resolution of the Board of Estimate and Apportionment of October 5, 1911. Provision is also made for employing Assistant Foremen at $3.50 per day for 880 rather than 700 days. There are four of these employees to be provided for. The original allowance of 700 days was evidently an error. The allowance for Laborers at $2.50 per day is increased by 284 days.

1806	Wages, Regular Employees—	
	Foremen, 4 at $5 per day (314 days)	$6,280 00
	Foremen, 17 at $4 per day (314 days)	21,352 00
	Foreman Mason, 1 at $6 per day (314 days)	1,884 00
	Foreman Mechanic, 1 at $5 per day (314 days)	1,570 00
	Foreman Bricklayer, 1 at $5.60 per day (314 days)	1,758 40
	Foreman Mason, 1 at $5.60 per day (314 days)	1,758 40
	Assistant Foreman, 1 at $5.60 per day (314 days)	1,099 00
	Assistant Foreman, 4 at $3 per day, (314 days)	3,768 00
	Assistant Foreman, 4 at $2.50 per day (314 days)	3,140 00
	Mason, 4 at $5.60 per day (314 days)	7,033 60
	Bricklayers, 7 at $5.60 per day (314 days)	12,308 80
	Laborers, 29 at $2.50 per day (314 days)	22,765 00
	Sewer Cleaners, 54 at $2.50 per day (314 days)	42,390 00
	Sewer Cleaners, 16 at $3 per day (314 days)	15,072 00
	Laborer, 1 at $3 per day (314 days)	942 00
	Unassigned balance	443 60
		$143,564 80

Under Code No. 1806 three (3) Foremen at $4 per day are eliminated. A Foreman Mason at $5.60 per day is added. Provision is also made by this change for the employment of an additional Laborer at $3 per day for 366 days under Code No. 1813, and a change from 314 days to 366 days for three (3) Laborers already provided under Code No. 1813. The remainder of the salaries of the three (3) Foremen who are eliminated is carried as an unassigned balance.

1810	Wages, Regular Employees—	
	Foreman Plumber, 1 at $5.50 per day (314 days)	1,727 00
	Plumbers, 5 at $5.50 per day (314 days)	8,635 00
	Plumber's Apprentice, 6 at $2.50 per day (314 days)	4,710 00
	Carpenters, 11 at $5 per day (314 days)	17,270 00
	Foreman Varnisher, 1 at $5 per day (314 days)	1,570 00
	Varnishers, 3 at $4 per day (314 days)	3,768 00
	Steamfitter, 1 at $5.50 per day (314 days)	1,727 00
	Steamfitter's Helper, 1 at $2.50 per day (314 days)	785 00
	Foreman Wireman, 1 at $5 per day (314 days)	1,570 00
	Wiremen, 3 at $4.50 per day (314 days)	4,239 00
	Electrician, 3 at $4.50 per day (314 days)	4,239 00
	Foreman Painter, 1 at $4.50 per day (314 days)	1,413 00
	Painters, 9 at $4 per day (314 days)	11,304 00
	Pipefitter, 1 at $5.50 per day (314 days)	1,727 00
	Pipefitter's Helper, 1 at $2.50 per day (314 days)	785 00
	Bricklayers, 2 at $5.60 per day (314 days)	3,516 80
	Tinsmiths, 4 at $4.75 per day (314 days)	5,966 00
	Sheet Metal Worker, 1 at $4.75 per day (314 days)	1,491 50
	Cabinet Maker, 2 at $5 per day (314 days)	3,140 00
	Glazier, 1 at $3.50 per day (314 days)	1,099 00
	Assistant Foreman, 1 at $2.50 per day (314 days)	785 00
	Laborers, 3 at $3 per day (314 days)	2,826 00
	Laborers, 12 at $2.50 per day (314 days)	9,420 00
		$93,713 30

The only change under Code No. 1810 is provision for five (5) additional Laborers to be transferred from Code No. 1813.

1813	Wages, Regular Employees—	
	Engineer, 1 at $6 per day (366 days)	$2,196 00
	Engineers, 2 at $5 per day (366 days)	3,660 00
	Engineers, 13 at $4.50 per day (366 days)	21,411 00
	Fireman, 37 at $3 per day (366 days)	40,626 00
	Oilers, 4 at $3 per day (366 days)	4,392 00
	Foremen Elevatormen, 2 at $3 per day (314 days)	1,884 00
	Foreman, 1 at $5 per day (314 days)	1,570 00
	Assistant Foreman, 1 at $4 per day (366 days)	1,464 00
	Assistant Foremen, 2 at $3 per day (314 days)	1,884 00
	Assistant Foreman, 1 at $3.50 per day (314 days)	1,099 00
	Assistant Foreman, 1 at $2.50 per day (314 days)	785 00
	Laborers, 4 at $3 per day (366 days)	4,392 00
	Laborers, 20 at $2.50 per day (366 days)	18,300 00
	Laborers, 74 at $2.50 per day (314 days)	58,090 00
		$161,753 00

The changes under Code No. 1813 consist of the addition of one (1) Laborer at $3 per day for 366 days, and an allowance of 366 days rather than 314 days for Laborers already provided. (This line for Laborers, however, through error was left out of the Budget as printed, but the schedule total indicates that it should have been included.) Five (5) Laborers at $2.50 per day for 314 days have been transferred to Code No. 1810.

This modification throughout involves no increase in any wages or compensation. It simply provides for a rearrangement of the lines to meet the present requirements of the various Bureaus.

There is also enclosed a form for the necessary transfer of funds.

It is requested that prompt action be taken in order that there may be no delay in the audit of the weekly payrolls for the first week of January, 1912.

Very truly yours,
E. V. FROTHINGHAM, Acting President, Borough of Manhattan.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 26, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 28, 1911, the President of the Borough of Manhattan requested modifications of five wage schedules in his office for the year 1912. In connection therewith I report as follows:

The request is in the Bureau of Highways, Maintenance, Pavements, No. 1795, Wages, Regular Employees; and No. 1796, Wages, Temporary Employees; the Bureau of Sewers, Maintenance, No. 1806, Wages, Regular Employees; the Bureau of Public Buildings and Offices, Maintenance, No. 1810, Wages, Regular Employees, and Operation, Public Buildings, No. 1813, Wages, Regular Employees.

In No. 1895 the number of Assistant Foremen, at $3 per day, is reduced from 12 to 11 to correct a typographical error. There is no change in the amount appropriated. An Assistant Foreman, at $2.50 per day, is eliminated and a Laborer at the same rate added.

In No. 1796 it is proposed to increase a number of Foremen from $3.50 to $4 per day. Such increase is contrary to the resolution governing salary changes of the Board of Estimate and Apportionment, and those proposed at $4 per day are continued at the $3.50 rate. The number of days for Assistant Foremen, at $3.50, is increased from 700 to 880, and the allowance for Laborers, at $2.50, is increased by 284 days. No change is made in the total of the appropriation.

In No. 1806, three Foremen, at $4, are eliminated, a Foreman Mason, at $5.60, is added; $443.60 is scheduled as an unassigned balance, and $1,566 is transferred to No. 1810.

In No. 1810, five Laborers are to be added at a cost of $3,925, the funds to be provided by transfer from Nos. 1806 and 1813.

In No. 1813, five Laborers, at $2.50, are stricken out and a Laborer, at $3, is added. The number of days for these Laborers, at $3, is increased from 314 to 366. The net decrease in the account amounts to $2,359, which is transferred to No. 1810.

The President states that the modifications involve no increase in compensation, and that the changes are to meet the present payrolls of the several Bureaus.

The following table shows the line changes in detail:

Code No.	Schedule Line.	Schedule Transfer. Increase.	Schedule Transfer. Decrease.	Cash Transfer. Increase.	Cash Transfer. Decrease.
1795	Assistant Foreman, 1 at $2.50 (314 days)	.....	$760 00	.....	$760 00
	Laborers, 16 at $2.50 (304 days)	$760 00	.....	$760 00	.....
1806	Foremen, 20 at $4 (314 days)	.....	3,768 00	.....	3,768 00
	Foreman Mason, at $5.60 (314 days)	1,758 40	.....	1,758 40	.....
	Unassigned Balance	443 60	.....	443 60	.....
1810	Laborers, 7 at $2.50 (314 days)	3,925 00	.....	3,925 00	.....

Code No.	Schedule Line.	Schedule Transfer. Increase.	Schedule Transfer. Decrease.	Cash Transfer. Increase.	Cash Transfer. Decrease.
1813	Laborers, 3 at $3 (314 days)..	.....	2,826 00	.....	2,826 00
	Laborers, 4 at $3 (366 days)..	4,392 00	.....	4,392 00	.....
	Laborers, 79 at $2.50 (314 days)	.....	3,925 00	.....	3,925 00
		$11,279 00	$11,279 00	$11,279 00	$11,279 00

I recommend the adoption of the attached resolutions granting the request. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedules, as revised, for the office of the President of the Borough of Manhattan for the year 1912, as follows:

PRESIDENT OF THE BOROUGH OF MANHATTAN.

Personal Service, Highways, Maintenance, Pavements.

1795	Wages, Regular Employees—	
	Assistant Foreman, 1 at $3.50 per day (304 days)	$1,064 00
	Assistant Foreman, 11 at $3 per day (304 days)	10,032 00
	Foreman, 2 at $4 per day (304 days)	2,432 00
	Driver, 1 at $4 per day (304 days)	1,216 00
	Driver, 1 at $3.50 per day (304 days)	1,064 00
	Laborer, 3 at $2.50 per day (366 days)	2,745 00
	Laborer, 17 at $2.50 per day (304 days)	12,920 00
		$31,473 00

Personal Service, Highways, Maintenance, Pavements.

1796	Wages, Temporary Employees, Tax Levy and Special and Trust Fund Force—	
	Foreman, at $4 per day (1,320 days)	$5,280 00
	Foreman, at $3.50 per day (3,080 days)	10,780 00
	Assistant Foreman, at $3.50 per day (880 days)	3,080 00
	Assistant Foreman, at $2.50 per day (2,225 days)	5,562 50
	Paver, at $5 per day (14,405 days)	72,025 00
	Rammer, at $4 per day (5.805 days)	23,220 00
	Laborer, at $3 per day (225 days)	675 00
	Laborer, at $2.75 per day (225 days)	618 75
	Laborer, at $2.50 per day (34,459 days)	85,647 50
	Schedule total	$206,888 75
	Tax Levy, part allowance	$187,548 75
	Special and Trust Fund, part allowance	19,340 00
	Total allowance	$206,888 75

Personal Service, Sewers, Maintenance.

1806	Wages, Regular Employees—	
	Foreman, 4 at $5 per day (314 days)	$6,280 00
	Foreman, 17 at $4 per day (314 days)	21,352 00
	Foreman Mason, 1 at $6 per day (314 days)	1,884 00
	Foreman Mechanic, 1 at $5 per day (314 days)	1,570 00
	Foreman Bricklayer, 1 at $5.60 per day (314 days)	1,758 40
	Foreman Mason, 1 at $5.60 per day (314 days)	1,758 40
	Assistant Foreman, 1 at $3.50 per day (314 days)	1,099 00
	Assistant Foreman, 4 at $3 per day (314 days)	3,768 00
	Assistant Foreman, 4 at $2.50 per day (314 days)	3,140 00
	Mason, 4 at $5.60 per day (314 days)	7,033 60
	Bricklayer, 7 at $5.60 per day (314 days)	12,308 80
	Laborer, 29 at $2.50 per day (314 days)	22,765 00
	Sewer Cleaner, 54 at $2.50 per day (314 days)	42,390 00
	Sewer Cleaner, 16 at $3 per day (314 days)	15,072 00
	Laborer, 1 at $3 per day (314 days)	942 00
	Unassigned balance	443 60
		$143,564 80

Personal Service, Public Buildings and Offices, Maintenance.

1810	Wages, Regular Employees—	
	Foreman Plumber, 1 at $5.50 per day (314 days)	$1,727 00
	Plumber, 5 at $5.50 per day (314 days)	8,635 00
	Plumber's Apprentice, 6 at $2.50 per day (314 days)	4,710 00
	Carpenter, 11 at $5 per day (314 days)	17,270 00
	Foreman Varnisher, 1 at $5 per day (314 days)	1,570 00
	Varnisher, 3 at $4 per day (314 days)	3,768 00
	Steamfitter, 1 at $5.50 per day (314 days)	1,727 00
	Steamfitter's Helper, 1 at $2.50 per day (314 days)	785 00
	Foreman Wireman, 1 at $5 per day (314 days)	1,570 00
	Wireman, 3 at $4.50 per day (314 days)	4,239 00
	Electrician, 3 at $4.50 per day (314 days)	4,239 00
	Foreman Painter, 1 at $4.50 per day (314 days)	1,413 00
	Painter, 9 at $4 per day (314 days)	11,304 00
	Pipefitter, 1 at $5.50 per day (314 days)	1,727 00
	Pipefitter's Helper, 1 at $2.50 per day (314 days)	785 00
	Tinsmith, 4 at $4.75 per day (314 days)	5,966 00
	Bricklayer, 2 at $5.60 per day (314 days)	3,516 80
	Sheet Metal Worker, 1 at $4.75 per day (314 days)	1,491 50
	Cabinet Maker, 2 at $5 per day (314 days)	3,140 00
	Glazier, 1 at $3.50 per day (314 days)	1,099 00
	Assistant Foreman, 1 at $2.50 per day (314 days)	785 00
	Laborer, 3 at $3 per day (314 days)	2,826 00
	Laborer, 12 at $2.50 per day (314 days)	9,420 00
		$93,713 30

Personal Service, Public Buildings and Offices, Operation, Public Buildings.

1813	Wages, Regular Employees—	
	Engineer, 1 at $6 per day (366 days)	$2,196 00
	Engineer, 2 at $5 per day (366 days)	3,660 00
	Engineer, 12 at $4.50 per day (366 days)	21,411 00
	Fireman, 37 at $3 per day (366 days)	40,626 00
	Oiler, 4 at $3 per day (366 days)	4,392 00
	Foreman Elevatorman, 2 at $3 per day (314 days)	1,884 00
	Foreman, 1 at $5 per day (314 days)	1,570 00
	Assistant Foreman, 1 at $4 per day (366 days)	1,464 00
	Assistant Foreman, 2 at $3 per day (314 days)	1,884 00
	Assistant Foreman, 1 at $3.50 per day (314 days)	1,099 00
	Assistant Foreman, 1 at $2.50 per day (314 days)	785 00
	Laborer, 4 at $3 per day (366 days)	4,392 00
	Laborer, 20 at $2.50 per day (366 days)	18,300 00
	Laborer, 74 at $2.50 per day (314 days)	58,090 00
		$161,753 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the office of the President of the Borough of Manhattan for the year 1912, as follows:

FROM

Personal Service, Sewers, Maintenance.

1806	Wages, Regular Employees	$1,566 00

Personal Service, Public Buildings and Offices, Operation, Public Buildings.

1813	Wages, Regular Employees	$2,359 00
		$3,925 00

To

Personal Service, Public Buildings and Offices, Maintenance.

1810	Wages, Regular Employees	$3,925 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller recommending, approval of the schedule as revised for said Department, Corporate Stock Force, Water Supply, Filtration, for the year 1912, to be effective as of January 1, 1912, providing for an additional force for the preparation of plans and specifications for the Jerome Park Filtration Plant:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, January 17, 1912.

JOSEPH HAAG, Esq., *Secretary, Board of Estimate and Apportionment,* 277 Broadway, New York:

Dear Sir—The work of the Filtration Division has so far advanced that it is now necessary to increase the force in order to hasten the preparation of the necessary plans and specifications. There are needed at present one (1) Mechanical Engineer at an annual salary of $2,100, and six (6) additional Draftsmen at an annual salary of $1,500 each. I therefore respectfully request that the Board of Estimate and Apportionment approve the modification of the schedule herewith enclose in order that I may make these appointments. Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 25, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 17, 1912, the Commissioner of Water Supply, Gas and Electricity requested modification of a schedule for salaries of regular employees in his Department for 1912. The request has been verbally amended. In connection therewith I report as follows:

The request is in the schedule for Personal Service, Water Supply, Filtration, Salaries, Regular Employees, Corporate Stock Force. It is proposed to add a Mechanical Engineer at $1,800 and six Draftsmen at $1,500 each.

The additional force is stated to be necessary to hasten the preparation of plans and specifications for the Jerome Park Filtration Plant, for which improvement the Board of Estimate and Apportionment has approved an issue of corporate stock to the amount of $8,690,000.

The line item changes, in detail, are as follows:

Line Item.	Schedule Decrease.	Transfer Increase.	Cash Decrease.	Transfer Increase.
Draftsman, 2 at $1,500	.....	$9,000 00	.....	$9,000 00
Mechanical Engineer, at $1,800	.....	1,800 00	.....	1,800 00
	.....	$10,800 00	.....	$10,800 00

I recommend the adoption of the attached resolution granting the amended request. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Water Supply, Gas and Electricity, for the year 1912, to be effective as of January 1, 1912, as follows:

Department of Water Supply, Gas and Electricity, Personal Service, Water Supply, Filtration.

	Salaries, Regular Employees, Corporate Stock Force—	
	Expert on Filtration	$6,000 00
	Division Engineer	5,000 00
	Division Engineer	4,500 00
	Assistant Engineer	3,500 00
	Assistant Engineer	3,000 00
	Assistant Engineer, 6 at $2,100	12,600 00
	Mechanical Engineer	1,800 00
	Assistant Engineer	1,800 00
	Assistant Engineer	1,650 00
	Draftsman, 8 at $1,500	12,000 00
	Rodman	1,050 00
	Stenographer and Typewriter	1,050 00
	Clerk	300 00
	Schedule total	$54,250 00
	Corporate Stock allowance	54,250 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller relative to, the modification of Salary Schedule No. 474, supporting the appropriation made in the Budget for the year 1912, for said Department, to be effective as of February 1, 1912, providing for an increase in the salary of a Stenographer from $1,050 to $1,200, and for a decrease in the salary of a Clerk from $1,200 to $1,050:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, January 19, 1912.

Hon. WM. A. PRENDERGAST, *Comptroller:*

Dear Sir—I desire a further modification of the Salary Schedule supporting the appropriation for Water Register's force, in order to provide for an increase of $150 per annum in the salary of a Stenographer and Typewriter who has been most highly recommended for this increase by the Water Register, Manhattan. He has been twice certified for appointment in other departments at $1,200 per annum, standing at the head of the Civil Service eligible list, but has declined these appointments.

I respectfully request that you recommend the adoption of the enclosed modified schedule in order that this deserved increase may be made. Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 25, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 19, 1912, the Commissioner of Water Supply, Gas and Electricity requested modification of a schedule for salaries of regular employees in his Department for 1912. In connection therewith I report as follows:

The request is in Personal Service, Water Supply, Water Revenue Collection, No. 474, Salaries, Regular Employees. It is proposed to increase a Stenographer and Typewriter from $1,050 to $1,200 and decrease a Clerk from $1,200 to $1,050.

The Commissioner states that the employee to be increased has been twice certified for appointment in other Departments at $1,200; that he stands at the head of

the Civil Service eligible list and has declined the appointments in the expectancy of promotion in his present position.

The line item changes, in detail, are as follows:

Account No.	Line Item.	Schedule Decrease.	Transfer Increase.	Cash Decrease.	Transfer Increase.
474	Clerk, 3 at $1,200	$1,200 00	.....	$1,100 00	.....
	Clerk, 29 at $1,050	.....	$1,050 00	.....	$962 50
	Stenographer and Typewriter, 4 at $1,200	.....	1,200 00	.....	1,100 00
	Stenographer and Typewriter, 6 at $1,050	1,050 00	.....	962 50	.....
		$2,250 00	$2,250 00	$2,062 50	$2,062 50

The attached resolution if adopted will grant the request.
Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Water Supply, Gas and Electricity, for the year 1912, to be effective as of February 1, 1912, as follows:

Department of Water Supply, Gas and Electricity, Personal Service, Water Supply. Water Revenue Collection.

474	Salaries Regular Employees—	
	Water Registrar	$6,000 00
	Water Registrar	3,000 00
	Auditor	3,500 00
	Cashier, 2 at $2,500	5,000 00
	Cashier, 2 at $1,500	3,000 00
	Clerk, 3 at $2,100	6,300 00
	Clerk, 2 at $1,800	3,600 00
	Clerk, 11 at $1,650	18,150 00
	Clerk, 11 at $1,500	16,500 00
	Clerk, 11 at $1,350	14,850 00
	Clerk, 2 at $1,200	2,400 00
	Clerk, 30 at $1,050	31,500 00
	Clerk, 71 at $900	63,900 00
	Clerk, 3 at $300	900 00
	Bookkeeper	1,350 00
	Stenographer and Typewriter, 5 at $1,200	6,000 00
	Stenographer and Typewriter, 5 at $1,050	5,250 00
	Stenographer and Typewriter	900 00
	Typewriting Copyist, 6 at $900	5,400 00
	Telephone Operator	1,050 00
	Draftsman	900 00
	Automobile Engineman	1,200 00
	Pilot	1,200 00
	Chief of Meter Testing and Repairs	2,000 00
	General Inspector	1,800 00
	Chief Inspector	1,500 00
	Inspector	1,800 00
	Inspector	1,650 00
	Inspector, 3 at $1,500	4,500 00
	Inspector, 9 at $1,350	12,150 00
	Inspector, 5 at $1,200	6,000 00
	Inspector, 141 at $1,100	155,100 00
	Foreman	900 00
	Balance unassigned	1,050 00
		$390,300 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

The Secretary presented the following communications from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller relative to, the modification of Salary Schedules Nos. 457, 465, 468, 472 and 473, supporting the appropriation, made in the Budget for the year 1912, and of Corporate Stock Force for said Department, providing for changes in schedules, involving increases in salaries, etc., and the transfer of $150, to take effect January 1, 1912:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, January 12, 1912.

JOSEPH HAAG, Esq., *Secretary, Board of Estimate and Apportionment,* 277 Broadway, New York:

Dear Sir—I respectfully request that the Board of Estimate and Apportionment approve the enclosed modification of schedule in order that I may employ an additional Bricklayer in the Borough of Brooklyn. Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, January 12, 1912.

JOSEPH HAAG, Esq., *Secretary, Board of Estimate and Apportionment,* 277 Broadway, New York:

Dear Sir—A number of changes are necessary to be made in the schedules adopted in the Budget for 1912 for this Department:

Assistant Engineer, at $1,800 per annum, appears in the schedule as Mechanical Engineer at the same rate.

Three Axeman, at $900 each, desire to have their titles changed to Rodman. This I would like to do, and it can be done without further expense, their rates of pay remaining the same.

Two Inspectors, at $1,200 each, should be provided for, they having been appointed last year after the Departmental Estimate was made.

One Clerk, at $300 per annum, was also increased last year to $540, after the estimate was made.

A clerical error in stating the amount of the corporate stock allowance in one of the schedules at $90,890 should be corrected to read $11,640.

A Cleaner, at the annual rate of $360, now in the Wages Schedule, should be changed to the Salary Account.

The line for Stationary Engineers in schedule supporting Account No. 465 should be changed to read "Stationary Engineers or Enginemen" to conform with the Civil Service titles of the employees.

In another schedule a clerical error of $1,500 should be corrected by reducing the total amount of the schedule by that much.

In four instances the titles of the schedules should be changed by inserting the words "Water Revenue Force" and by lessening the corporate stock allowance by the amount chargeable to the Water Revenue Account; and in one instance the title should be changed by the substitution of the words "Water Revenue" instead of "Corporate Stock," for the reason that the employees whose positions are enumerated in this schedule are paid from the Brooklyn Water Revenue Account.

One Clerk whose salary is, and has been for over a year, $1,200 was inadvertently left out of the schedule supporting the account to which his salary is chargeable. There is a vacancy there, however, at $900, and a transfer can be made from another account to provide for the difference. This transfer for the tax levy proportion is $150, and should be from Account No. 457 to Account No. 468.

I have had prepared and enclose herewith copies of the schedules modified as indicated above, and I respectfully request that the Board of Estimate and Apportionment approve these modifications. Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 23, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 12, 1912, the Commissioner of Water Supply, Gas and Electricity requested modification of thirteen schedules for salaries and wages in his Department for 1912. In connection therewith I report as follows:

In the schedule for Water Supply, Administration, No. 457, Salaries, Regular Employees, Tax Levy and Corporate Stock Force, it is proposed to drop a Mechanical Engineer, at $1,800, and an Axeman, at $900, and add an Assistant Engineer, at $1,800. A Rodman is to be reduced from $1,050 to $900. Seven hundred and fifty dollars ($750) is scheduled as unassigned, and the schedule is decreased by the sum of $300.

In the schedule for Water Supply, Administration, Salaries, Regular Employees, Corporate Stock Force, two Inspectors, at $1,200, are to be added, increasing the schedule total by $2,400. The two employees were appointed in 1911 and were provided for in the schedule for Engineering Bureau, Salaries, Regular Employees, Corporate Stock Force, for that year.

In the schedule for Water Supply, Design, Salaries, Regular Employees, Corporate Stock Force, a Clerk is to be increased from $300 to $540, and $240 added to the schedule total. This increase was made in 1911 and provided for in the schedule for Engineering Bureau, Salaries, Regular Employees, Corporate Stock Force, for that year.

In the schedule for Water Supply, Collection and Storage, Salaries, Regular Employees, Corporate Stock and Water Revenue Force, the only change is for correction of a typographical error in the schedule total.

In the schedule for Water Supply, Pumping, Salaries, Regular Employees, Corporate Stock Force, a Cleaner, at $360, is to be added, and both the schedule total and the Water Revenue Part Allowance increased by $360. This employee is dropped from a schedule for per diem employees.

In the schedule for Water Supply, Pumping, No. 465, Wages, Regular Employees, Tax Levy and Corporate Stock Force, the only change is the addition of the words "or Engineman" to the line item "Stationary Engineer, 34 at $4.50 per day (366 days), $55,998." This change is to meet Civil Service requirements.

In the schedule for Water Supply, Pumping, Wages, Regular Employees, Water Revenue Force, the title of a Laborer, at $3, for 304 days, is to be changed to Laborer-Rockman; a Bricklayer, at $5.60, for 304 days, is to be added, and a Cleaner, at $360 per annum, previously referred to, is dropped.

In the schedule for Water Supply, Distribution, No. 468, Salaries, Regular Employees, Tax Levy and Corporate Stock Force, a Clerk is increased from $900 to $1,200. The schedule is increased by $300, which is offset by the schedule increase above mentioned in No. 457.

In the schedule for Water Supply, Distribution, Salaries, Regular Employees, Corporate Stock Force, an Axeman, at $900, is dropped and a Rodman, at $900, added, the schedule total remaining unchanged.

In the schedule for Water Supply, Distribution, Salaries, Regular Employees, Corporate Stock Force, an Axeman, at $900 is dropped and a Rodman, at $900, is added. The schedule total is unchanged, but the pro rata is modified.

In the schedule for Water Supply, Distribution, Wages, Regular Employees, Corporate Stock and Water Revenue Force, no change is proposed in the line items or schedule total, but the pro rata is modified.

In the schedule for Water Supply, Analyzing and Testing, No. 472, Salaries, Regular Employees, Tax Levy and Corporate Stock Force, no change is requested in line items, schedule total or Tax Levy Part Allowance. The Corporate Stock Part Allowance is reduced by $7,040 and a Water Revenue Part Allowance, in like amount, added.

In the schedule for Water Supply, Analysing and Testing, No. 473, Wages, Regular Employees, Tax Levy and Corporate Stock Force, the line item, schedule total and Tax Levy Part Allowance are unchanged. A Water Revenue Part Allowance of $1,912.50 is substituted for the present Corporate Stock Part Allowance, of like amount.

The line changes, in detail, are as follows:

Tax Levy Part Allowance Schedules.

Account No.	Line Item.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
457	Assistant Engineer, 3 at $1,800	.....	$1,800 00	.....	$1,800 00
	Mechanical Engineer, 1 at $1,800	$1,800 00	.....	$1,800 00	.....
	Rodman, 1 at $1,050	1,050 00	.....	1,050 00	.....
	Rodman, at $900	.....	900 00	.....	900 00
	Axeman, 3 at $900	900 00	.....	900 00	.....
	Balance unassigned	.....	750 00	.....	750 00
465	Stationary Engineer, 34 at $4.50 per day (366 days)	55,998 00	.....	55,998 00	.....
	Stationary Engineer or Engineman, at $4.50 per day (366 days)	.....	55,988 00	.....	55,998 00
468	Clerk, 1 at $900	900 00	.....	900 00	.....
	Clerk, at $1,200	.....	1,200 00	.....	1,200 00
		$60,648 00	$60,648 00	$60,648 00	$60,648 00

Corporate Stock and Water Revenue Schedules.

Line Item.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
Inspector, at $1,200	.....	$2,400 00	.....	$2,400 00
Clerk, 1 at $300	$300 00	.....	$300 00	.....
Clerk, at $540	.....	540 00	.....	540 00
Laborer, 1 at $3 per day (304 days)	912 00	.....	912 00	.....
Laborer-Rockman, at $3 per day (304 days)	.....	912 00	.....	912 00
Bricklayer, at $5.60 per day (304 days)	.....	1,702 40	.....	1,702 40
Rodman, at $900	.....	900 00	.....	900 00
Axeman, 6 at $900	900 00	.....	900 00	.....
Rodman, at $900	.....	900 00	.....	900 00
Axeman, 3 at $900	900 00	.....	900 00	.....
	$3,012 00	$7,354 40	$3,012 00	$7,354 40

The details of the transfer from Account No. 457 to Account No. 468 are as follows:

Account No.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Tax Levy. Decrease.	Cash Transfer. Tax Levy. Increase.	Cash Transfer. Corporate Stock and Water Revenue. Decrease	Cash Transfer. Corporate Stock and Water Revenue. Increase.
457	$300 00	.....	$150 00	.....	$150 00	.....
468	.....	$300 00	.....	$150 00	.....	$150 00

The attached resolutions, if adopted, will grant the request. Respectfully,
WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of schedules, as revised, for the Department of Water Supply, Gas and Electricity, for the year 1912, to be effective as of January 1, 1912, as follows:

Department of Water Supply, Gas and Electricity, Personal Service, Water Supply, Administration.

457 Salaries, Regular Employees, Tax Levy and Corporate Stock Force (Tax Levy, Corporate Stock and Water Revenue Force)—

Chief Engineer	$10,000 00
Deputy Chief Engineer	7,500 00
Assistant Engineer	5,000 00
Assistant Engineer	4,000 00
Assistant Engineer, 3 at $3,000	9,000 00
Assistant Engineer, 4 at $1,800	7,200 00
Assistant Engineer	1,500 00
Mechanical Engineer	1,800 00
Draftsman	1,800 00
Draftsman	1,500 00
Draftsman, 3 at $1,200	3,600 00
Draftsman, 9 at $900	8,100 00
Transitman	1,800 00
Transitman	1,650 00
Leveler	1,350 00
Leveler	1,200 00
Rodman	1,200 00
Rodman	1,050 00
Rodman	900 00
Axeman, 2 at $900	1,800 00
Clerk, 2 at $1,500	3,000 00
Clerk, 2 at $1,350	2,700 00
Clerk, 2 at $1,200	2,400 00
Clerk, 4 at $900	3,600 00
Clerk, 2 at $600	1,200 00
Clerk, 2 at $540	1,080 00
Clerk, 4 at $300	1,200 00
Stenographer and Typewriter, 2 at $1,350	2,700 00
Stenographer and Typewriter, 3 at $1,050	3,150 00
Stenographer and Typewriter	900 00
Typewriting Copyist, 4 at $900	3,600 00
Telephone Operator, 2 at $900	1,800 00
Messenger	1,050 00
General Inspector, 2 at $3,000	6,000 00
Inspector	1,500 00
Automobile Engineman	1,200 00
Balance unassigned	750 00
	$109,780 00
Tax Levy, part allowance	$50,820 83
Corporate Stock, part allowance	44,812 50
Water Revenue, part allowance	14,146 67
	$109,780 00

Personal Service, Water Supply.

Administration, Salaries, Regular Employees, Corporate Stock Force—

Consulting Engineer	$5,000 00
Division Engineer	5,000 00
Assistant Engineer	4,800 00
Assistant Engineer	3,000 00
Assistant Engineer	2,100 00
Assistant Engineer	1,800 00
Transitman	1,800 00
Transitman	1,050 00
Rodman, 2 at $1,200	2,400 00
Axeman	900 00
Axeman, 3 at $840	2,520 00
Inspector, 18 at $1,800	32,400 00
Inspector	1,500 00
Inspector, 2 at $1,350	2,700 00
Inspector, 2 at $1,200	2,400 00
Schedule total	69,370 00
Corporate Stock allowance	69,370 00

Personal Service, Water Supply, Design.

Salaries, Regular Employees, Corporate Stock Force—

Mechanical Engineer	$4,800 00
Mechanical Engineer	4,000 00
Mechanical Engineer	2,400 00
Mechanical Engineer	1,800 00
Assistant Engineer	3,250 00
Assistant Engineer	2,550 00
Assistant Engineer	2,500 00
Assistant Engineer	2,400 00
Assistant Engineer, 2 at $2,100	4,200 00
Assistant Engineer	2,000 00
Assistant Engineer, 2 at $1,800	3,600 00
Transitman	1,800 00
Transitman	1,650 00
Draftsman	2,250 00
Draftsman	2,100 00
Draftsman	1,800 00
Draftsman, 3 at $1,650	4,950 00
Draftsman, 9 at $1,500	13,500 00
Draftsman, 4 at $1,350	5,400 00
Draftsman, 7 at $900	6,300 00
Rodman	1,200 00
Axeman	900 00
Clerk	900 00
Clerk	600 00
Clerk	540 00
Stenographer and Typewriter	1,200 00
Stenographer and Typewriter	900 00
Schedule Total	$79,490 00
Corporate Stock Allowance	79,490 00

Personal Service, Water Supply, Collection and Storage.

Salaries, Regular Employees, Corporate Stock Force—

Division Engineer	$4,500 00
Transitman	1,800 00
Transitman, 2 at $1,650	3,300 00
Rodman	1,200 00
Axeman	840 00
Schedule Total	$11,640 00
Corporate Stock Allowance	11,640 00

Personal Service, Water Supply, Pumping.

Salaries, Regular Employees, Corporate Stock and Water Revenue Force—

Mechanical Engineer	$4,500 00
Mechanical Engineer	1,800 00
Mechanical Draftsman	1,500 00
Draftsman	1,200 00
Leveler	1,350 00
Rodman	1,050 00
Clerk	1,500 00
Clerk	900 00
Clerk, 2 at $600	1,200 00
Stenographer and Typewriter	1,200 00
Stenographer and Typewriter	1,050 00
Inspector	1,800 00
Inspector, 2 at $1,200	2,400 00
Telephone Operator, 4 at $900	3,600 00
Supervising Engineer	2,500 00
Engineman	2,500 00
Engineman, 6 at $1,800	10,800 00
Engineman, 26 at $1,750	45,500 00
Cleaner	360 00
	$86,710 00
Corporate Stock, Part Allowance	$9,350 00
Water Revenue, Part Allowance	77,360 00
Total Allowance	$86,710 00

Personal Service, Water Supply, Pumping.

465 Wages, Regular Employees, Tax Levy and Corporate Stock Force—

Stationary Engineer, or Engineman, 34 at $4.50 per day (366 days)	$55,998 00
Oiler, 4 at $3 per day (366 days)	4,392 00
Stoker, 40 at $3 per day (366 days)	43,920 00
Bricklayer, 2 at $5.60 per day (304 days)	3,404 80
Pipefitter, 2 at $5.50 per day (304 days)	3,344 00
Carpenter, 2 at $5 per day (304 days)	3,040 00
Machinist, 1 at $4.50 per day (304 days)	1,368 00
Painter, 1 at $4 per day (304 days)	1,216 00
Assistant Foreman, 2 at $3 per day (304 days)	1,824 00
Pipefitter's Helper, 2 at $3 per day (304 days)	1,824 00
Machinist's Helper, 1 at $3 per day (304 days)	912 00
Mason's Helper, 1 at $3 per day (304 days)	912 00
Laborer, 3 at $2.50 per day (366 days)	2,745 00
Laborer, 7 at $2.50 per day (304 days)	5,320 00
Total Schedule	$130,219 80
Tax Levy, Part Allowance	$125,550 36
Corporate Stock, Part Allowance	4,669 44
Total Allowance	$130,219 80

Personal Service, Water Supply, Pumping.

Wages, Regular Employees, Water Revenue Force—

Foreman Machinist, 1 at $5 per day (304 days)	$1,520 00
Machinist, 10 at $4.50 per day (304 days)	13,680 00
Machinist's Helper, 4 at $3 per day (304 days)	3,648 00
Steamfitter, 1 at $5.50 per day (304 days)	1,672 00
Pipefitter, 6 at $5.50 per day (304 days)	10,032 00
Pipefitter's Helper, 3 at $3 per day (304 days)	2,736 00
Boilermaker, 4 at $4.25 per day (304 days)	5,168 00
Blacksmith, 2 at $4.50 per day (304 days)	2,736 00
Blacksmith's Helper, 2 at $3 per day (304 days)	1,824 00
Bricklayer, 2 at $5.60 per day (304 days)	3,404 80
Carpenter, 1 at $5 per day (304 days)	1,520 00
Tinsmith, 1 at $4.75 per day (304 days)	1,444 00
Wireman, 1 at $4.50 per day (304 days)	1,368 00
Foreman, 1 at $4 per day (366 days)	1,464 00
Foreman, 1 at $4 per day (304 days)	1,216 00
Foreman, 1 at $2.50 per day (304 days)	760 00
Laborer-Rockman, 1 at $3 per day (304 days)	912 00
Driver, 1 at $2.50 per day (304 days)	760 00
Hostler, 1 at $2.50 per day (366 days)	915 00
Watchman, 2 at $2.50 per day (366 days)	1,830 00
Laborer, 22 at $2.50 per day (304 days)	16,720 00
Engineman, 91 at $4.50 per day (366 days)	149,877 00
Oiler, 44 at $3 per day (366 days)	48,312 00
Stoker, 169 at $3 per day (366 days)	185,562 00
Coal Passer, 13 at $2.50 per day (366 days)	11,895 00
Laborer, 44 at $2.50 per day (366 days)	40,260 00
Schedule Total	$511,235 80
Water Revenue Allowance	511,235 80

Personal Service, Water Supply, Distribution.

468 Salaries, Regular Employees, Tax Levy and Corporate Stock Force: (Tax Levy, Corporate Stock and Water Revenue Force)—

Superintendent	$3,600 00
Assistant Engineer	3,000 00
Assistant Engineer	2,400 00
Assistant Engineer	2,250 00
Assistant Engineer, 2 at $2,100	4,200 00
Assistant Engineer, 3 at $1,800	5,400 00
Assistant Engineer	1,500 00
Assistant Engineer, 5 at $1,350	6,750 00
Draftsman	1,800 00
Draftsman	1,350 00
Draftsman, 7 at $900	6,300 00
Computer	1,800 00
Transitman	1,350 00
Rodman, 5 at $1,200	6,000 00
Rodman, 5 at $1,050	5,250 00
Axeman	900 00
Foreman, 2 at $1,800	3,600 00
Inspector	1,200 00
Clerk	1,200 00
Clerk, 2 at $300	600 00
Stenographer and Typewriter	900 00
Schedule Total	$61,350 00
Tax Levy, Part Allowance	$31,194 00
Corporate Stock, Part Allowance	18,521 00
Water Revenue, Part Allowance	11,635 00
Total Allowance	$61,350 00

Personal Service, Water Supply, Distribution.

Salaries, Regular Employees, Corporate Stock Force—

Assistant Engineer	$4,800 00
Assistant Engineer	3,500 00
Assistant Engineer, 3 at $3,000	9,000 00
Assistant Engineer	2,800 00
Assistant Engineer	2,700 00
Assistant Engineer	2,550 00
Assistant Engineer, 2 at $2,400	4,800 00
Assistant Engineer	2,100 00
Assistant Engineer, 4 at $1,800	7,200 00
Assistant Engineer	1,500 00
Transitman, 7 at $1,800	12,600 00
Transitman, 2 at $1,650	3,300 00
Transitman, 4 at $1,500	6,000 00
Draftsman, 2 at $1,800	3,600 00
Draftsman	1,650 00
Draftsman	1,500 00
Draftsman, 7 at $900	6,300 00
Leveler, 2 at $1,500	3,000 00
Leveler	1,350 00
Leveler	1,200 00

Rodman, 5 at $1,200	6,000 00
Rodman, 7 at $1,050	7,350 00
Rodman	900 00
Axeman, 5 at $900	4,500 00
Clerk	1,500 00
Clerk	1,350 00
Clerk	900 00
Clerk	300 00
Stenographer and Typewriter	1,200 00
Inspector, 7 at $1,800	12,600 00
Inspector	1,500 00
Schedule Total	$119,550 00
Corporate Stock Allowance	119,550 00

Personal Service, Water Supply, Distribution.

Salaries, Regular Employees, Corporate Stock and Water Revenue Force—

Assistant Engineer	$3,500 00
Transitman	1,800 00
Transitman	1,650 00
Leveler	1,500 00
Leveler, 2 at $1,350	2,700 00
Leveler	1,200 00
Tapper, 6 at $1,200	7,200 00
Rodman	1,050 00
Rodman	900 00
Axeman, 2 at $900	1,800 00
Draftsman	1,500 00
Draftsman, 3 at $900	2,700 00
Clerk	1,650 00
Clerk	900 00
Clerk	750 00
Clerk, 2 at $600	1,200 00
Clerk	540 00
Clerk, 2 at $300	600 00
Stenographer and Typewriter	1,200 00
Messenger	1,200 00
Inspector	1,800 00
Inspector	1,500 00
Inspector, 2 at $1,100	2,200 00
Keeper	1,500 00
Keeper	1,200 00
Foreman, 2 at $1,800	3,600 00
Cleaner, 5 at $360	1,800 00
Laundress	360 00
Schedule Total	$49,500 00
Corporate Stock, part allowance	$19,622 50
Water Revenue, part allowance	29,877 50
Total Allowance	$49,500 00

Personal Service, Water Supply, Distribution.

Wages, Regular Employees, Corporate Stock and Water Revenue Force—

Foreman, 1 at $5 per day (366 days)	$1,830 00
Foreman Machinist, 1 at $5 per day (366 days)	1,830 00
Foreman, 3 at $4 per day (366 days)	4,392 00
Foreman, 6 at $4 per day (304 days)	7,296 00
Assistant Foreman, 2 at $4 per day (366 days)	2,928 00
Assistant Foreman, 6 at $4 per day (304 days)	7,296 00
Assistant Foreman, 1 at $3 per day (366 days)	1,098 00
Assistant Foreman, 2 at $3 per day (304 days)	1,824 00
Inspector, 2 at $4 per day (304 days)	2,432 00
Plumber, 1 at $5.50 per day (304 days)	1,672 00
Machinist, 6 at $4.50 per day (304 days)	8,208 00
Machinist's Helper, 8 at $3 per day (304 days)	7,296 00
Blacksmith, 3 at $4.50 per day (304 days)	4,104 00
Blacksmith's Helper, 3 at $3 per day (304 days)	2,736 00
Caulker, 4 at $4 per day (366 days)	5,856 00
Caulker, 42 at $4 per day (304 days)	51,072 00
Valveman, 2 at $3 per day (304 days)	1,824 00
Driver, 5 at $2.50 per day (366 days)	4,575 00
Driver, 25 at $2.50 per day (304 days)	19,000 00
Hostler, 1 at $2.50 per day (366 days)	915 00
Stableman, 4 at $2.50 per day (366 days)	3,660 00
Watchman, 5 at $2.50 per day (366 days)	4,575 00
Laborer, 24 at $2.50 per day (366 days)	21,960 00
Laborer, 126 at $2.50 per day (304 days)	95,760 00
Schedule Total	$264,139 00
Corporate Stock, part allowance	$45,798 50
Water Revenue, part allowance	218,340 50
Total Allowance	$264,139 00

Personal Service, Water Supply, Analyzing and Testing.

472 Salaries, Regular Employees, Tax Levy and Corporate Stock Force (Tax Levy, Water Revenue and Corporate Stock Force)—

Chief Chemist	$3,500 00
Chemist	1,950 00
Chemist, 4 at $1,500	6,000 00
Chemist, 4 at $1,200	4,800 00
Bacteriologist	1,800 00
Bacteriologist	1,500 00
Bacteriologist, 2 at $1,200	2,400 00
Laboratory Assistant, 5 at $900	4,500 00
Clerk	1,350 00
Clerk	1,050 00
Schedule Total	$28,850 00
Tax Levy, part allowance	$14,100 00
Corporate Stock, part allowance	7,710 00
Water Revenue, part allowance	7,040 00
Total Allowance	$28,850 00

Personal Service, Water Supply, Analyzing and Testing.

473 Wages, Regular Employees, Tax Levy and Corporate Stock Force (Tax Levy and Water Revenue Force)—

Laborer, 6 at $2.50 (366 days)	$5,490 00
Schedule Total	$5,490 00
Tax Levy, part allowance	$3,568 50
Water Revenue, part allowance	1,921 50
Total Allowance	$5,490 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the Department of Water Supply, Gas and Electricity for the year 1912, as follows:

FROM

Personal Service, Water Supply, Administration.

457 Salaries, Regular Employees—Tax Levy and Corporate Stock Force —Tax Levy, part allowance $150 00

To

Personal Service, Water Supply, Pumping.

468 Salaries, Regular Employees—Tax Levy and Corporate Stock Force —Tax Levy, part allowance $150 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Parks, Boroughs of Manhattan and Richmond, requesting, and report of the Comptroller recommending, the modification of Salary Schedule No. 911, supporting the appropriation made in the Budget for the year 1912, for said Department, to take effect as of January 1, 1912, providing for four Architectural Draftsmen at $1,500 each per annum, omitted from the original schedule when prepared:

The City of New York, Department of Parks, Boroughs of Manhattan and Richmond, Arsenal, Central Park, January 6, 1912.

Hon. WILLIAM A. PRENDERGAST, *Comptroller:*

Sir—I respectfully request that you submit to the Board of Estimate and Apportionment for their approval a schedule to provide for the payment of four Architectural Draftsmen from the various corporate stock accounts in the Department of Parks, Manhattan and Richmond, in addition to the schedule for corporate stock employees, provided in the Budget for the year 1912, to take effect as of January 1, at a compensation of $1,500 each per annum.

The request is made necessary for the reason that when the estimate for the Budget of 1912 was being compiled the Architect of the Department was not aware of the fact that the new ruling entailed including corporate stock employees in the Budget schedules.

The incumbents have been employed for the past few years on the preparation of plans and specifications and supervising the work under construction. Their services are absolutely necessary to properly carry on the work now under way, and your immediate action will be appreciated for the reason that it affects the payroll of the present month. Yours respectfully,

CHAS. B. STOVER, Commissioner of Parks, Boroughs of Manhattan and Richmond.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 24, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 6, 1912, the Commissioner of Parks, Boroughs of Manhattan and Richmond, requested approval of a corporate stock schedule for four Architectural Draftsmen, at $1,500 per annum each. In connection therewith I report as follows:

The Commissioner states the following in explanation of the request:

The schedule is made necessary for the reason that when the estimate for the budget of 1912 was being compiled, the Architect of the Department was not aware of the fact that the new ruling entailed including corporate stock employees in the budget schedules.

There are three Architectural Draftsmen on the payroll, as follows:

Frank Herzog, appointed July 2, 1909; Gabriel Jacobson, appointed June 14, 1909; Jaroslay Kraus, transferred from Department of Education on January 15, 1911.

The Commissioner states that the additional incumbent is to be appointed from a Civil Service list, and that he is urgently needed for work on the preparation of plans and specifications, and in supervising construction work now in progress. The $1,500 rate is now paid the three incumbents employed.

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedule, as revised, for the Department of Parks, Manhattan and Richmond, for the year 1912, to take effect as of January 1, 1912, as follows:

DEPARTMENT OF PARKS.

Manhattan and Richmond, Personal Service, Administration, Engineering.

911 Salaries, Regular Employees, Tax Levy and Corporate Stock Force—

Chief Engineer	$5,000 00
Principal Assistant Engineer	3,000 00
Assistant Engineer, 3 at $2,500	7,500 00
Stenographer and Typewriter	1,080 00
Transitman, 2 at $1,800	3,600 00
Mechanical Engineer	2,100 00
Leveler	1,320 00
Rodman	1,200 00
Rodman, 4 at $1,050	4,200 00
Axeman	1,050 00
Axeman, 9 at $900	8,100 00
Topographical Draftsman	1,500 00
Architectural Draftsman, 4 at $1,500	6,000 00
Inspector, 3 at $1,260	3,780 00
Laborer, 1 at $2.50 per day (314) days	785 00
Schedule Total	$50,215 00
Tax Levy, part allowance	$9,080 00
Corporate Stock, part allowance	41,135 00
Total Allowance	$50,215 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Bellevue and Allied Hospitals requesting, and report of the Comptroller recommending, the modification of Salary Schedules Nos. 195, 196, 197, 198, 200, 201, 202, 207, 210, 213, supporting the appropriation made in the Budget for the year 1912, for said Department, to be effective as of January 1, 1912, providing for the transfer of positions from one division to another, involving a transfer of $9,800, and further recommending that the request for the striking out of certain line items for individual positions and the schedulizing of amounts thereby released in lump sums, for Nurses, etc., be denied.

Bellevue and Allied Hospitals, Office of the Board of Trustees, 1st Avenue and 26th Street, New York, January 10, 1912.

Hon. JOSEPH HAAG, *Secretary, Board of Estimate and Apportionment,* 277 Broadway, New York City:

Sir—The Trustees of Bellevue and Allied Hospitals have the honor to request the Board of Estimate and Apportionment to amend the schedules of salaries and wages of this Department for the year 1912, in accordance with the schedules attached. The changes therein do not involve any additional expenditure, and are made to meet the present needs of the Department. The changes are noted in detail at the bottom of each schedule and can be grouped under three classes. The reasons for them are as follows:

First—To correct the schedules in so far as the salaries of employees have been placed under the wrong appropriation; for example, Supervising Engineer should be under the appropriation for General Administration and not Bellevue Hospital.

Second—To combine the funds allowed for Hospital Helpers, Laundresses, Waitresses, etc., into one sum for each of these classes of employees. The grade of Hospital Helper is established at various grades not exceeding $600 per annum. All the low paid help could therefore be properly classed as Hospital Helpers, and at one time they were so classified. The Trustees, however, for the past three years have endeavored to segregate the titles according to the duties performed. For the last two years the money appropriated for each of these groups of employees was given in a lump sum. For 1912 it has been appropriated in amounts covering different grades. If the schedules were put into effect, it would entirely prohibit the increasing of wages of low paid helpers except when a vacancy occurred. For years the Trustees have striven to increase the wages of these employees, and have endeavored to have them begin at a minimum wage of $20 and $15 per month for men and women respectively, increasing at the end of six months by $2.50. A better grade of workers will be obtained when it is generally known that increases will be secured for a definite length of service. This demands elasticity and not limitation of the number which can be appointed at the various grades.

Third—To change the amount allowed for Hospital Attendants from $12,000 to $8,400, a decrease of $3,600, which sum has been added to the amount allowed for Helpers. This is necessary as, although 50 Hospital Attendants were provided for in the appropriation, their wages were deducted from the previous allowance for Helpers. The full number of Attendants has not been obtained. As one is appointed, a Helper is dropped. This appropriation will therefore require to be adjusted from time to time.

To meet these modifications, it is requested that transfers of funds be made as follows:

	FROM		
197	Salaries, Regular Employees	$7,400 00	
	TO		
195	Salaries, Regular Employees	.....	$2,000 00
196	Salaries, Regular Employees	.....	3,000 00
201	Salaries, Regular Employees	.....	2,400 00
	FROM		
201	Salaries, Regular Employees	2,050 00	
	TO		
195	Salaries, Regular Employees	.....	1,900 00
201	Salaries, Regular Employees	.....	150 00
	FROM		
198	Salaries, Regular Employees	1,200 00	
	TO		
207	Salaries, Regular Employees	.....	1,200 00
	FROM		
200	Salaries, Regular Employees	1,200 00	
	TO		
213	Salaries, Regular Employees	.....	1,200 00
		$11,850 00	$11,850 00

Respectfully, J. K. PAULDING, Secretary, Board of Trustees.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 24, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—In reference to a request of the Board of Trustees of Bellevue and Allied Hospitals on January 10, 1912, for modification of fifteen schedules of salaries in that department for the year 1912, involving a transfer of $9,800, I report as follows:

It is proposed to transfer a Supervising Engineer, at $2,000 per annum; an Egg Candler, at $1,000, and a Foreman of Drivers, at $900, from No. 197, Administration, Bellevue Hospital, to No. 195, General Administration, Executive. A Clerk, at $480, with title changed from Hospital Clerk, two Hospital Clerks, at $720, one at $600, with title changed from Typewriting Copyist, and one at $480, are to be transferred from No. 197 to No. 196, General Administration, Audit and Accounts. The Board of Trustees states that all these positions are more properly chargeable to General Administration. Two Automobile Enginemen, at $1,200 each, are to be transferred from No. 197 to No. 201, Bellevue Hospital, Operation.

An Apothecary, at $900, is to be transferred from No. 201 to No. 210, Harlem Hospital, Operation. In No. 202, Bellevue Hospital, Operation, fifteen Hospital Helpers, at $240 per annum, are to be substituted for fifteen Hospital Attendants at the same rate. The Helpers are asked for because incumbents have not been found for the fifty positions of Hospital Attendants in the schedule.

A Radiographer, at $1,200 per annum, is to be transferred to No. 207, Gouverneur Hospital, Operation, from No. 198, Gouverneur Hospital, Administration, and the title changed to X-Ray Photographer. An Automobile Engineman is to be transferred to No. 213, Fordham Hospital, Operation, from No. 200, Fordham Hospital, Administration.

Other changes proposed are the striking out of line items for individual positions and the scheduling of the amounts thereby released in lump sums for Nurses, Helpers, Waitresses, etc. No sufficient reason has been advanced why the line item schedule plan approved by your Board should not be continued in the department, and I recommend, therefore, that the request for the lump sum distribution be denied.

The following table shows the schedule changes in detail for the other items in the request:

Salaries, Regular Employees.

Account No.	Schedule Line.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
195	Egg Candler, 1 at $1,000	.....	$1,000 00	.....	$1,000 00
	Foreman of Drivers, 1 at $900	.....	900 00	.....	900 00
	Supervising Engineer, 1 at $2,000	.....	2,000 00	.....	2,000 00
196	Clerk, 1 at $480	.....	480 00	.....	480 00
	Hospital Clerk, 2 at $720	.....	1,440 00	.....	1,440 00
	Hospital Clerk, 1 at $600	.....	600 00	.....	600 00
	Hospital Clerk, 1 at $480	.....	480 00	.....	480 00
197	Supervising Engineer, 1 at $2,000	$2,000 00	.....	$2,000 00	.....
	Hospital Clerk, 3 at $720	1,440 00	.....	1,440 00	.....
	Hospital Clerk, 5 at $480	960 00	.....	960 00	.....
	Tpyewriting Copyist, 1 at $600	600 00	.....	600 00	.....
	Automobile Engineman, 2 at $1,200	2,400 00	.....	2,400 00	.....
198	Radiographer, 1 at $1,200	1,200 00	.....	1,200 00	.....
200	Automobile Engineman, 1 at $1,200	1,200 00	.....	1,200 00	.....
201	Apothecary, 3 at $900	900 00	.....	900 00	.....
	Apothecary, 1 at $750	.....	750 00	.....	750 00
	Egg Candler, 1 at $1,000	1,000 00	.....	1,000 00	.....
	Foreman of Drivers, 1 at $900	900 00	.....	900 00	.....
	Automobile Engineman, 2 at $1,200	.....	2,400 00	.....	2,400 00
207	X-Ray Photographer, 1 at $1,200	.....	1,200 00	.....	1,200 00
210	Apothecary, 1 at $900	.....	900 00	.....	900 00
	Apothecary, 1 at $750	750 00	.....	750 00	.....
213	Automobile Engineman, 1 at $1,200	.....	1,200 00	.....	1,200 00
		$13,350 00	$13,350 00	$13,350 00	$13,350 00

Salaries, Temporary Employees.

Account No.	Schedule Line.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
202	Hospital Helper, at $240 (1,891 months)	.....	$3,600 00	.....	$3,600 00
	Hospital Attendant, at $240 (600 months)	$3,600 00	.....	$3,600 00	.....

I recommend that the request be approved, with the exception noted above, by the adoption of the attached resolutions. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Bellevue and Allied Hospitals for the year 1912, to be effective as of January 1, 1912, as follows:

DEPARTMENT OF BELLEVUE AND ALLIED HOSPITALS.

Personal Service, General Administration, Executive.

195	Salaries, Regular Employees—	
	General Medical Superintendent	$6,000 00
	Director of Laboratories	5,000 00
	General Superintendent of Training Schools	2,500 00
	Secretary to President	2,500 00
	Purchasing Agent	1,800 00
	Stenographer	1,050 00
	Stenographer	900 00
	Stenographer, 4 at $750	3,000 00
	Typewriting Copyist	600 00
	Egg Candler	1,000 00
	Foreman of Drivers	900 00
	Supervising Engineer	2,000 00
	Architectural Draftsman	1,500 00
		$28,750 00

Audit and Accounts.

196	Salaries, Regular Employees—	
	Contract Clerk	$1,950 00
	Bookkeeper	1,540 00
	Clerk	1,200 00
	Clerk	900 00
	Clerk, 2 at $750	1,500 00
	Clerk, 3 at $540	1,620 00
	Clerk	480 00
	Hospital Clerk, 2 at $720	1,440 00
	Hospital Clerk	600 00
	Hospital Clerk	480 00
		$11,710 00

Personal Service, Bellevue Hospital, Administration.

197	Salaries, Regular Employees—	
	Assistant Medical Superintendent	$3,500 00
	Assistant Medical Superintendent	2,500 00
	Assistant Superintendent	2,000 00
	Investigator	1,200 00
	Chaplain, 4 at $450	1,800 00
	Superintendent of Training School	1,800 00
	Assistant Superintendent of Training School	1,200 00
	Interpreter	1,000 00
	Inspector	720 00
	Employment Agent	900 00
	Clerk	900 00
	Clerk, 3 at $600	1,800 00
	Hospital Clerk, 2 at $900	1,800 00
	Hospital Clerk	720 00
	Hospital Clerk, 2 at $600	1,200 00
	Hospital Clerk	540 00
	Hospital Clerk, 3 at $480	1,440 00
	Stenographer, 3 at $900	2,700 00
		$27,720 00

Personal Service, Administration Gouverneur Hospital.

198	Salaries, Regular Employees—	
	Supervising Nurse	$1,200 00
	Chaplain	450 00
	Hospital Clerk	600 00
		$2,250 00

Personal Service, Administration, Fordham Hospital.

200	Salaries, Regular Employees—	
	Assistant Superintendent of Training School	$1,200 00
	Clerk	750 00
	Hospital Clerk	720 00
	Hospital Clerk	480 00
		$3,150 00

Personal Service, Bellevue Hospital, Operation.

201	Salaries, Regular Employees—	
	Resident Physician	$4,000 00
	Assistant Resident Physician	1,500 00
	Assistant Alienists, 2 at $2,100	4,200 00
	Pathologist	1,800 00
	Pathologist, 2 at $1,500	3,000 00
	Admitting Physicians, 3 at $1,000	3,000 00
	Resident Obstetrician	1,200 00
	Resident Obstetrician	900 00
	Resident Physician	900 00
	Physician to Out Patients, 3 at $600	1,800 00
	Physician to Out Patients, 5 at $300	1,500 00
	Instructor in Anaesthesia, 4 at $750	3,000 00
	X-Ray Photographer	1,800 00
	Apothecary	1,200 00
	Apothecary, 2 at $900	1,800 00
	Apothecary	750 00
	Photographer	1,200 00
	Medical Bath Attendant	480 00
	Housekeeper	900 00
	Housekeeper, 2 at $800	1,600 00
	Housekeeper, 3 at $600	1,800 00
	Laboratory Assistant, 2 at $750	1,500 00
	Gateman	500 00
	Butcher, 2 at $720	1,440 00
	Butcher	600 00
	Barber	480 00
	Auto Engineman, 2 at $1,200	2,400 00
	Driver, 8 at $600	4,800 00
		$50,050 00
202	Salaries, Temporary Employees—	
	Trained Nurse (social service), at $900 (72 months)	$5,400 00
	Trained Nurse, at $800 (216 months)	14,400 00
	Trained Nurse (12 months)	750 00
	Trained Nurse, at $720 (180 months)	10,800 00
	Trained Nurse, at $600 (1,005 months)	50,250 00

	Trained Nurse (12 months)	480 00
	Pupil Nurse, at $96 (2,160 months)	17,280 00
	Head Pupil Nurse, at $480 (48 months)	1,920 00
	Head Pupil Nurse, at $360 (36 months)	1,080 00
	Orderly, at $480 (24 months)	960 00
	Orderly (12 months)	360 00
	Lecturers	800 00
	Hospital Helper (12 months)	720 00
	Hospital Helper, at $480 (192 months)	7,680 00
	Hospital Helper, at $420 (72 months)	2,520 00
	Hospital Helper, at $360 (156 months)	4,680 00
	Hospital Helper, at $300 (408 months)	10,200 00
	Hospital Helper, at $240 (2,071 months)	41,420 00
	Hospital Helper, at $180 (1,632 months)	24,480 00
	Hospital Attendant, at $240 (420 months)	8,400 00
	Seamstress (12 months)	312 00
	Seamstress, at $288 (48 months)	1,152 00
	Cook (12 months)	900 00
	Cook, at $480 (24 months)	960 00
	Cook (12 months)	420 00
	Cook (12 months)	360 00
	Cook, at $300 (72 months)	1,800 00
	Cook (12 months)	240 00
	Waitress, at $300 (36 months)	900 00
	Waitress, at $240 (84 months)	1,680 00
	Waitress, at $180 (24 months)	360 00
	Waiter (12 months)	300 00
	Waiter, at $240 (36 months)	720 00
	Laundryman (12 months)	720 00
	Laundryman (12 months)	480 00
	Laundryman, at $300 (24 months)	600 00
	Laundryman, at $240 (108 months)	2,160 00
	Laundress (12 months)	360 00
	Laundress, at $300 (24 months)	600 00
	Laundress, at $240 (108 months)	2,160 00
	Laundress, at $180 (228 months)	3,420 00
		$225,184 00

Personal Service, Gouverneur Hospital, Operation.

207	Salaries, Regular Employees—	
	Admitting Physician	$900 00
	Physicians to Out Patients, 2 at $600	1,200 00
	Physicians to Out Patients, 24 at $300	7,200 00
	Apothecary, 2 at $900	1,800 00
	X-Ray Photographer	1,200 00
	Housekeeper	600 00
	Driver, 4 at $600	2,400 00
	Barber	240 00
		$15,540 00

Personal Service, Harlem Hospital, Operation.

210	Salaries, Regular Employees—	
	X-Ray Photographer	$1,800 00
	Apothecary, 2 at $900	1,800 00
	Physician to Out Patients, 2 at $600	1,200 00
	Physician to Out Patients, 2 at $300	600 00
	Instructor in Anaesthesia	750 00
	Driver, 4 at $600	2,400 00
		$8,550 00

Personal Service, Fordham Hospital, Operation.

213	Salaries, Regular Employees—	
	Admitting Physician	$900 00
	Apothecary	900 00
	Physician to Out Patients	600 00
	Physician to Out Patients, 2 at $300	600 00
	Housekeeper	720 00
	Auto Engineman	1,200 00
	Driver, 3 at $600	1,800 00
		$6,720 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfers of funds appropriated to the Department of Bellevue and Allied Hospitals for the year 1912, as follows:

FROM

197	Personal Service, Bellevue Hospital, Administration, Salaries, Regular Employees	$7,400 00
198	Personal Service, Gouverneur Hospital, Administration, Salaries, Regular Employees	1,200 00
200	Personal Service, Fordham Hospital, Administration, Salaries, Regular Employees	1,200 00

To

195	Personal Service, General Administration, Executive, Salaries, Regular Employees	$3,900 00
196	Personal Service, General Administration, Audit and Accounts, Salaries, Regular Employees	3,000 00
201	Personal Service, Bellevue Hospital, Operation, Salaries, Regular Employees	350 00
207	Personal Service, Gouverneur Hospital, Operation, Salaries, Regular Employees	1,200 00
210	Personal Service, Harlem Hospital, Operation, Salaries, Regular Employees	150 00
213	Personal Service, Fordham Hospital, Operation, Salaries, Regular Employees	1,200 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary was directed to transmit a copy of the report of the Comptroller to the Board of Trustees, Bellevue and Allied Hospitals.

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller recommending, approval, pursuant to resolution adopted July 17, as amended August 31, 1911, of the form of contract, specifications and estimate of cost ($4,490.75) for supplies to be delivered at Valley Stream for the use of said Department:

Department of Water Supply, Gas and Electricity, Bureau of Supplies, Room 1904, 13-21 Park row, City of New York, December 18, 1911.

Hon. WM. A. PRENDERGAST, *Comptroller:*

Dear Sir—I transmit herewith, for report by you to the Board of Estimate and Apportionment in accordance with resolutions of said Board adopted July 17 and August 31, 1911, form of contract, etc., for furnishing and delivering miscellaneous supplies, $4,490.75 of which supplies are chargeable to corporate stock.

As the Department is in urgent need of the supplies called for in this contract, I would respectfully request that the same be returned at the earliest practicable date. Yours truly,

J. W. F. BENNETT, Deputy and Acting Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 27, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 18, 1911, the Acting Commissioner of Water Supply, Gas and Electricity requested approval of the form of contract, specifications, and estimate of cost in the aggregate sum of $4,490.75, for furnishing and delivering miscellaneous supplies.

The contract includes 288 items, of which 41 are to be charged to corporate stock funds.

The cost of 40 of the items, estimated at $4,460.75, is to be paid from the corporate stock fund authorized by the Board of Estimate and Apportionment on July 17, 1911, and entitled, "C. D. W.—37P, Water Supply System, Borough of Brooklyn, Supplies and Materials for Labor Construction Force." There is an unencumbered balance of $23,724.07 in the fund.

The cost of the remaining item, estimated at $30, is to be paid from the corporate stock fund, authorized by the Board of Estimate and Apportionment on July 17, 1911, and entitled, "C. D. W.—40, Water Supply Systems, All Boroughs, Contingent Expenses of Engineering and Labor Construction Force." There is an unencumbered balance of $19,651.10 in the fund.

The form of contract and specifications are satisfactory and the estimates of cost for the respective items are reasonable.

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 17, 1911, as amended on August 31, 1911, hereby approves the form of contract, specifications and estimate of cost in the aggregate sum of four thousand four hundred and ninety dollars and seventy-five cents ($4,490.75), for supplies, to be delivered at Valley Stream, L. I., under the jurisdiction of the Department of Water Supply, Gas and Electricity; the cost to the extent of four thousand four hundred and sixty dollars and seventy-five cents ($4,460.75) to be paid from the corporate stock fund entitled "C. D. W.—37P, Water Supply System, Borough of Brooklyn, Supplies and Materials for Labor Construction Force," and to the extent of thirty dollars ($30) from the corporate stock fund entitled "C. D. W.—40, Water Supply System, All Boroughs, Contingent Expenses of Engineering and Labor Construction Force."

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Taxes and Assessments requesting, and report of the Comptroller recommending, the issue of special revenue bonds (chapter 542, Laws of 1892, sections 170 and 187 of the Charter) to be expended by said Department in preparing new tax and assessment maps, as follows:

A. $45,350 for salaries and wages.

B. $804.26 for supplies and contingencies.

—and further recommending approval of a schedule for said fund.

Department of Taxes and Assessments of The City of New York, Borough of Manhattan, Hall of Records, December 29, 1911.

To the Honorable, the Board of Estimate and Apportionment:

Gentlemen—Request is hereby made that the Schedule of Salaries, Regular Employees, Block Tax Assessment Maps Fund, Revenue Bond Force, chapter 542, Laws of 1892, contained in the Budget for the year 1912, may be amended in such manner as to provide for 10 Draftsmen at $1,350, instead of 5 at $1,350, and 4 at $1,200, as stated in the Budget already adopted.

This request is made for the reason that it is found impossible, notwithstanding the most diligent effort, to obtain Draftsmen of sufficient qualifications who will accept appointment at the rate of $1,200 per annum, and in order to fill the vacancies now existing and which is most important shall be filled with the least possible delay, it is essential that a minimum salary of $1,350 per annum shall be offered. This will involve also the necessity of increasing to $1,350 the salary of one Draftsman now employed at $1,200, and who is fully entitled to such increase.

In this connection I am directed to call your attention to the fact that by some inadvertence only 5 Draftsmen were provided for in the Budget, while there were 6 Draftsmen, at $1,350, actually employed and at work.

It is earnestly requested that action on the above may be taken at the earliest possible date, in order that the vacancies may be filled without further delay.

Respectfully, LAWSON PURDY, President.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 23, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On September 3, 1911, the Department of Taxes and Assessments made requisition for revenue bonds in the sum of $51,450, for the preparation of Block Tax Assessment Maps. In connection therewith I report as follows:

The requisition is made, pursuant to the provisions of chapter 542, Laws of 1892, and sections 170 and 187 of the Greater New York Charter. Section 5 of chapter 542 provides as follows:

> The expenses incurred in the preparation of the said block map and the copies thereof hereby authorized, shall from time to time as the same are incurred, be certified by the said Commissioners of Taxes and Assessments to the Board of Estimate and Apportionment of said City, and upon approval thereof by said Board it shall be the duty of the Comptroller of the City to pay the respective amounts so certified and approved to the parties entitled thereto, and to raise the amounts necessary for that purpose from revenue bonds of the City, to be issued in anticipation of the taxes to be levied in the year following the date of issue of such bonds. All materials and supplies and the labor and assistance required, including the hiring of such room or rooms as may be necessary in the preparation of the said block map and copies thereof, shall be provided, hired and employed by the said Commissioners, and the compensation to be paid therefor shall be such as they, in their discretion, may determine and agree upon. All employment by said Commissioners, under the authority of this section conferred, shall be of a temporary character, and shall terminate at the pleasure of the Commissioners, and be devoted solely to the work of the preparation of the said block map and the copies thereof, as herein authorized.

The payroll cost for the year 1911 was $41,150. The expenditures for other purposes amounted to approximately $2,500, making a total for the year of $43,650. On January 1, 1912, there was an unencumbered balance available of $1,495.74.

The estimated increase in expenditures for 1912 over 1911 is $8,259.62. The Commissioners state that part of the increase is for additional compensation to Assistant Surveyors, Draftsmen and Topographical Draftsmen. They also state that there have been few increases in salary since 1907, and that there has been no adjustment of the salary schedule since that year. It is further stated that the work has been constantly increasing, with slight increase in the staff. The following table shows the yearly cost of the work since 1902:

1902	$20,864 00
1903	32,815 00
1904	26,832 00
1905	38,315 00
1906	35,209 00
1907	38,062 00
1908	41,402 00
1909	42,887 00
1910	40,544 93
1911	42,191 38

On December 29, 1911, the Commissioners requested amendment of the schedule of salaries for the Block Tax Assessment Map Force in order to provide for the proposed changes. The 1911 schedule provided for twenty-five employees at an annual cost of $44,750. The payroll for January, 1911, is for twenty-two incumbents. A schedule submitted at the request of the Comptroller on January 11, for 1912, pro-

vides for twenty-six employees at an annual cost of $45,350, or an increase over the 1911 salary cost of $1,950. It is estimated that the cost of supplies and materials will be $1,800, making a total of $47,650 for the year. With $1,495.74 available, the appropriation necessary is $46,154.26.

I recommend the adoption of the attached resolutions granting the request for an appropriation to the extent of $46,154.26, and approving a schedule modification to conform to the same. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of chapter 542 of the Laws of 1892 and sections 170 and 187 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the requisition made by the Department of Taxes and Assessments on September 3, 1911, for an appropriation to be expended for salaries and wages, in preparing new tax and assessment maps, and for providing means therefor, the Comptroller be and is hereby authorized to issue revenue bonds of The City of New York to an amount not exceeding forty-five thousand three hundred and fifty dollars ($45,350), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

—

The following resolution was offered:

Resolved, That, pursuant to the provisions of chapter 542 of the Laws of 1892 and sections 170 and 187 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the requisition made by the Department of Taxes and Assessments on September 3, 1911, for an appropriation to be expended for supplies and contingencies in preparing new tax and assessment maps, and for providing means therefor, the Comptroller be and is hereby authorized to issue revenue bonds of The City of New York to an amount not exceeding eight hundred and four dollars and twenty-six cents ($804.26), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Taxes and Assessments for the year 1912, as follows:

Department of Taxes and Assessments, Block Tax Assessment Maps, Revenue Bond Force.

Chapter 542, Laws of 1892.

Salaries, Regular Employees—	
Assistant Surveyor	$3,500 00
Assistant Surveyor	3,000 00
Assistant Surveyor	2,500 00
Draftsman, 3 at $2,100	6,300 00
Draftsman, 6 at $1,800	10,800 00
Draftsman, 2 at $1,600	3,200 00
Draftsman, 10 at $1,350	13,500 00
Bookbinder	1,350 00
Bookbinder	1,200 00
	$45,350 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Public Service Commission for the First District requesting, and report of the Comptroller recommending, that the Board consent to the award of contract for section 9, route 5, of the Lexington Avenue Subway, extending from a point about 50 feet north of the centre line of 67th street to a point about 70 feet south of the centre line of 79th street, to Patrick McGovern, and that corporate stock to the amount of $1,961,997 be authorized to meet the requirements of said contract:

(On December 14, 1911, a communication from the Public Service Commission requesting the consent of the Board to the award of the above contract, etc., was referred to the Comptroller.)

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, December 8, 1911.

REQUISITION—ROUTE 5, SECTION 9.

To the Board of Estimate and Apportionment of The City of New York:

Sirs—The Public Service Commission for the First District herewith transmits to you for your consent, as required by law, a proposed contract between The City of New York and Patrick McGovern for the construction at the public expense of section No. 9 of route No. 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Lexington avenue from a point about 50 feet north of the centre line of 67th street to a point about 70 feet south of the centre line of 79th street, in the Borough of Manhattan.

The Public Service Commission for the First District further requests your honorable Board to consent to the said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit, the sum of one million nine hundred and sixty-one thousand nine hundred and ninety-seven dollars ($1,961,997), and also to direct the Comptroller of The City of New York to issue the bonds of the said City at such a rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of the said portion of such railroad.

And the Public Service Commission for the First District does hereby make request for the authorization of bonds for the full amount sufficient to pay the entire estimated expense of executing such contract, to wit, the sum of one million nine hundred and sixty-one thousand nine hundred and ninety-seven dollars ($1,961,997).

In witness whereof, the Public Service Commission for the First District has caused its official seal to be hereto affixed and attested by its Secretary and these presents to be signed by its Chairman, this 8th day of December, 1911.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT,
[SEAL.] By W. R. WILLCOX, Chairman.
Attest: TRAVIS H. WHITNEY, Secretary.

After a consideration of the bids on Section No. 9 of Route No. 5, the following resolution was duly moved and seconded:

Resolved, That this Commission hereby accepts the proposal of Patrick McGovern, dated December 5, 1911, for the construction of Section No. 9 of Route No. 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Lexington Avenue from a point about fifty feet north of the centre line of 67th Street to a point about seventy feet south of the said centre line of 79th Street, in the Borough of Manhattan, the aggregate of the unit prices in the proposal amounting to One Million Nine Hundred and Sixty-one Thousand Nine Hundred and Ninety-seven Dollars ($1,961,997).

Resolved, That the Chairman and the Secretary be and they hereby are authorized on behalf of the Commission to execute a contract in the form attached to the said proposal and to deliver the same if and when consented to by the Board of Estimate and Apportionment and upon compliance by the said Patrick McGovern with the requirements of the invitation to bidders attached to the said proposal.

Resolved, That the Chairman and the Secretary be and they hereby are authorized and directed to request the Board of Estimate and Apportionment to consent to the said contract and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit, the sum of One Million Nine Hundred and Sixy-one Thousand Nine Hundred and Ninety-seven Dollars ($1,961,997), and also to request the said Board of Estimate and Apportionment to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Board of Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of the said portion of such railroad and also to make request for the authorization of bonds for the full amount sufficient to pay the entire estimated expense of executing such contract, to wit, the sum of One Million Nine Hundred and Sixty-one Thousand Nine Hundred and Ninety-seven Dollars ($1,961,997).

Resolved, That the Secretary give notice to the said Patrick McGovern that his proposal has been accepted and the contract awarded to him by this Commission, subject to its being consented to by the Board of Estimate and Apportionment as required by law.

Resolved, That it be referred to Counsel to the Commission to inquire into the sufficiency of the sureties or securities proposed to be given by the said Patrick McGovern, and in case the surety named in the proposal of the said Patrick McGowan is not approved by the Commission, then to inquire into the sufficiency of any other or substitute sureties or any securities proposed to be given by the said Patrick McGovern, and in behalf of the Commission to do any such act as may be necessary and incidental to the furnishing of a proper bond or securities.

Ayes—Commissioners Willcox, McCarroll, Maltbie, Eustis, Cram.

Nays—None.

Carried.

State of New York, County of New York, ss.:

I, Travis H. Whitney, Secretary of the Public Service Commission for the First District, do hereby certify that I have compared the above with the original adopted by said Commission on December 8, 1911, and that it is a correct transcript therefrom and of the whole of the original.

In testimony whereof, I have hereunto subscribed my hand and affixed the seal of the Commission this 8th day of December, 1911.

[SEAL] TRAVIS H. WHITNEY, Secretary.

Public Service Commission for the First District—Invitation to Contractors and Forms of Contract, Bond and Contractor's Proposal for Construction of a Part of a Raipd Transit Railroad, Portion of Lexington Avenue Route (Route No. 5), Section No. 9.

INVITATION TO CONTRACTORS.

PART OF LEXINGTON AVENUE ROUTE.

The City of New York, acting by the Public Service Commission for the First District (hereinafter called "the Commission") invites proposals to construct Section 9 of the Lexington Avenue Rapid Transit Railroad.

The points within the City between which the said part is to run and the route or routes to be followed are briefly as follows:

Section No. 9. Begins at a point about 50 feet north of the centre line of East Sixty-seventh Street and extends thence under Lexington Avenue to a point about 70 feet south of the centre line of East Seventy-ninth Street; with a station at East Sixty-eighth and East Sixty-ninth Streets and a station at East Seventy-seventh Street.

The general plan of construction calls for a subsurface railroad having four tracks. Turnouts, cross-overs, connections and sidings, etc., will be constructed, all of which are more particularly indicated on the contract drawings.

Bidders will not be required to do the station-finish work, nor to provide or lay tracks, ties or ballast.

The work of construction under the contract will include the construction of all necessary sewers and connections, along the route of the railroad; also the necessary support, maintenance, readjustment and reconstruction of vaults adjacent to buildings, pipes, tubes, conduits, subways or other subsurface structures; the support and care, including underpinning where necessary, of all buildings, monuments, surface, subsurface and elevated railroads and other structures, etc., affected by or interfered with during the construction of the work; also the restoration of the sidewalks and the temporary paving and maintenance of roadways.

The method of construction will be partly by trench excavation (under cover, unless otherwise specified in the form of contract or permitted by the Commission), and partly by tunnel, as set forth in the form of contract.

Bidders must examine the form of contract and the specifications, maps and plans; must visit the location of the work and inform themselves of the present conditions along the line thereof and make their own estimates of the facilities and difficulties attending the execution of the proposed work.

A fuller description of the work to be done is set forth and other requirements, provisions, details and specifications are stated, in the printed form of contract and in the contract drawings therein referred to. Printed copies of the form of contract, bond and contractor's proposal may be had on application at the office of the Commission, No. 154 Nassau Street, Borough of Manhattan, City of New York. The contract drawings may be inspected at the same office, and copies thereof may be purchased by prospective bidders by payment of five dollars ($5.00). The printed form of contract and the contract drawings are to be deemed a part of this invitation.

The Commission is informed by the Department of Docks and Ferries that docks and bulkheads along the East River may be available for dumping purposes. Information in regard thereto may be obtained by any intending bidder upon inquiry at the office of the Commission.

Partial payments to the Contractor will be made monthly as the work proceeds as provided in the form of contract.

The Contractor will be required to complete the work as soon as practicable and within a period of forty (40) months.

Sealed bids or proposals will be received at the office of the Commission at No. 154 Nassau Street, Borough of Manhattan, City of New York, until the 5th day of December, 1911, at twelve (12) o'clock noon, at which time, or at a later date to be fixed by the Commission, the proposals will be publicly opened.

Proposals must be in the form prescribed by the Commission, copies of which may be obtained at the office of the Commission.

A statement, based upon the estimate of the Engineer, of the quantities of the various classes of the work and of the nature and extent as near as practicable of the work required is to be found in the schedules forming a part of the form of Contractor's Proposal. The quantities given in such schedules are approximate only, being given as a basis for the uniform comparison of bids and no claim is to be made against the City on account of any excess or deficiency, absolute or relative, in the same, except as provided in the specifications and form of contract.

All proposals must, when submitted, be enclosed in a sealed envelope endorsed *"Proposal for Constructing Part of Rapid Transit Railroad—Route No. 5, Section No. 9,"* and must be delivered to the Commission or its Secretary; and in the presence of the person submitting the proposal, it will be deposited in a sealed box in which all proposals will be deposited. No proposal will be received or deposited unless accompanied by a separate certified check drawn upon a national or state bank or trust company having its principal office in the City of New York, satisfactory to the Commission and payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand ($15,000) dollars. Such check must not be enclosed in the envelope containing the proposal.

The Unit Prices must not be improperly balanced, and any bid which the Commission considers detrimental to the City's interests may be rejected.

No proposal after it shall have been deposited with the Commission will be allowed to be withdrawn for any reason whatever.

The award of the contract will be made by the Commission as soon as practicable after the opening of the proposals.

Bidders whose proposals are otherwise satisfactory, in case the sureties named by them are not approved by the Commission, may substitute in their proposals the names of other sureties approved by the Commission. but such substitution must be made within five days after notice of disapproval, unless such period is extended by the Commission.

A bidder whose proposal shall be accepted shall, in person or by duly authorized representative, attend at the said office of the Commission within ten days after the delivery of a notice by the Commission that his proposal is accepted and that the contract is consented to by the Board of Estimate and Apportionment, and such bidder shall then deliver a contract in the form referred to, duly executed and with its execution duly proved.

At the time of the delivery of the contract, the Contractor will be required to furnish security to the City by giving a bond for fifty thousand ($50,000) dollars. At the option of the successful bidder cash or approved securities may be deposited instead of giving a bond. If the securities are deposited in place of a bond under this contract, they must be of the character of securities in which Savings Banks may invest their funds and must be approved by the Commission.

The Contractor's bond must be in the form annexed to the form of contract.

In addition and as further security fifteen (15%) per centum of the amounts certified from time to time to be due to the Contractor will be deducted until the amounts so deducted and retained shall equal the sum of Two Hundred and Twenty-five Thousand Dollars ($225,000). Thereafter there shall be so deducted and retained for such purpose ten (10%) per centum of the amounts certified from time to time to be due to the Contractor.

In case of failure or neglect to execute and deliver the contract or to execute and deliver the required bond or to make the required deposit, such bidder will, at the option of the Commission, be deemed either to have made the contract or to have abandoned the contract. In the latter case the Commission will give notice thereof to such defaulting bidder, and the Commission may thereupon proceed to make another contract with such, if any, of the original bidders, as, in the opinion of the Commission, it will be to the best interests of the City to contract with, or may by new advertisement invite further proposals. The defaulting bidder shall thereupon be liable to the City for all loss and damage by it sustained, including the excess, if any, of the amount it shall pay any other Contractor over the amount of the bid of such defaulting bidder.

If the Commission shall give notice to any bidder that his or its proposal is accepted and that the contract is consented to by the Board of Estimate and Apportionment, and if the bidder shall fail within ten days thereafter or within such further period, if any, as may be prescribed by the Commission, to execute and deliver the contract and to execute and deliver the bond with sureties, or to make the required deposit, then the Invitation to Contractors and proposal accepted as aforesaid shall be a contract binding the bidder to pay to the City the damage by it sustained by reason of such failure, and in such case the bidder shall, by the terms of the proposal, absolutely assign to the City the ownership of the check accompanying his or its proposal as a payment on account of such damages.

All such deposits made by bidders whose proposals shall not be accepted by the Commission will be returned to the person or persons making the same within five days after the contract shall be executed and delivered. The deposit of the successful bidder will be returned when the contract is executed and its provisions in respect of the bond or deposit are complied with.

The right to reject any and all bids is reserved.

New York, November 10th, 1911.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT,

By WILLIAM R. WILLCOX, Chairman.

TRAVIS H. WHITNEY, Secretary.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT.

CONTRACT FOR THE CONSTRUCTION OF A PART OF A RAPID TRANSIT RAILROAD, ROUTE NO. 5, SECTION NO. 9.

Approved as to form.

JOHN L. O'BRIEN, Acting Corporation Counsel.

RAPID TRANSIT RAILROAD.

CONTRACT.

Route No. 5, Section No. 9.

Agreemnt, made this day of , 1911, between The City of New York, hereinafter called the City, acting by The Public Service Commission for the First District, hereinafter called the Commission, party of the first part, and Patrick McGovern, of Boston, in the State of Massachusetts, hereinafter called the Contractor, party of the second part.

Whereas, the Commission in behalf of the City by due advertisement, pursuant to law, has invited contractors to submit to the Commission proposals for making this contract; and

Whereas, the Contractor has thereupon duly submitted to the Commission a proposal, which has been accepted; and

Whereas, the Board of Estimate and Apportionment of The City of New York has consented to this contract;

Now, therefore, in consideration of the mutual covenants and agreements hereinafter contained, and under the authority of chapter 4 of the laws of 1891, entitled, "An Act to provide for Rapid Transit Railways in Cities of over One Million Inhabitants," and of the various acts amending the same, the parties do hereby, the City for itself and its successors and the Contractor for himself, his executors, administrators and assigns

Agree each with the other as follows:

I.

GENERAL PROVISIONS AND DEFINITIONS.

Outline of Contract.

Article I. The Contractor agrees to construct the part hereinafter described of a Rapid Transit Railroad, with its appurtenances. The City agrees to pay to the Contractor the sums of money hereinafter mentioned at the times and in the manner and upon the terms and conditions hereinafter set forth.

Brief Description of Works.

Article II. The Railroad to be constructed under this contract forms a part of a certain route adopted by the Board of Rapid Transit Railroad Commissioners for The City of New York on May 12, 1905, and which as modified is known as the Lexington Avenue Route—or Route No. 5. The part to be constructed under this contract consists of

Section No. 9.

Section No. 9—67th Street to 79th Street.

Beginning at a point about 50 feet north of the centre line of Sixty-seventh Street, thence under Lexington Avenue to a point about 70 feet south of the centre line of Seventy-ninth Street; with stations at East Sixty-eighth and East Sixty-ninth Streets, and at East Seventy-seventh Street.

The precise location of the tracks, and the dimensions and other characteristics of the Railroad are more fully stated in the specifications forming a part of this contract, and in the detailed drawings and plans hereinafter mentioned.

Statutes Incorporated Herein.

Article III. This contract is made pursuant to the Rapid Transit Act, which is to be deemed a part hereof as if it were incorporated herein.

Marginal Notes, etc.

Article IV. Titles, headings, running headlines and marginal notes are printed hereon merely for convenience and shall not be deemed to be any part of this contract for any purpose whatever.

Definitions of Words.

Article V. The following words and expressions used in this contract shall, except where by the context it is clear that another meaning is intended, be construed as follows:

"City."

(1) The word "City" to mean The City of New York, and any other corporation or division of government to which the ownership, rights, powers and privileges of The City of New York under the Rapid Transit Act, shall hereafter come, belong or appertain.

"Commission."

(2) The word "Commission" to mean the Public Service Commission for the First District, and any other board, body, commission, official or officials, to which or to whom the powers now belonging to the said Commission in respect of the location, construction, equipment, maintenance and operation of Rapid Transit Railroads under the provisions of the Rapid Transit Act shall, by virtue of any act or acts, hereafter pass or be held to appertain.

"Contractor."

(3) The word "Contractor" to mean the party of the second part to this contract, and his executors, administrators and assigns and any and every person or corporation who or which shall at any time be liable in the place or for the party of the second part to perform any obligations under this contract assumed by the said party of the second part. For convenience the Contractor is hereinafter referred to as if the Contractor were an individual. The word "he" shall, as the sense may require, include "it," "she" and "they"; the word "him" shall include "her," "it" and "them"; and the word "his" shall include "its," "her" and "their."

"Comptroller."

(4) The word "Comptroller" to mean the Comptroller of The City of New York, and the officer or board to whom or to which his powers now existing under the Rapid Transit Act shall come to appertain.

"Engineer."

(5) The word "Engineer" to mean the Chief Engineer of the Commission or his duly authorized representative and any successor or successors duly appointed or any deputy or substitute for him who shall be appointed by the Commission or by its authority.

"Rapid Transit Act."

(6) The words "Rapid Transit Act" to mean chapter 4 of the laws of 1891 as amended by chapter 102 and 556 of the laws of 1892, chapters 528 and 752 of the laws of 1894, chapter 519 of the laws of 1895, chapter 729 of the laws of 1896, chapter 616 of the laws of 1900, chapter 587 of the laws of 1901, chapters 533, 542, 544 and 584 of the laws of 1902, chapters 562 and 564 of the laws of 1904, chapters 599 and 631 of the laws of 1905, chapters 472, 606 and 607 of the laws of 1906, chapter 429 of the laws of 1907, chapter 498 of the laws of 1909, chapters 205, 504, 505 and 506 of the laws of 1910, and chapter 888 of the laws of 1911, or as heretofore otherwise amended.

"Railroad."

(7) The word "Railroad" to mean the part which the Contractor agrees by this contract to build, together with the station or stations to be built in conjunction therewith, and all appurtenances thereto which are to be constructed or provided by the Contractor.

"The Works."

(8) The words "the Works" to mean all of the matters and things herein agreed to be furnished or done by or on the part of the Contractor.

"New York."

(9) The words "New York" to mean the City of New York according to its boundaries at the date of this contract.

"Daily Newspaper."

(10) The words "daily newspaper" to mean any paper regularly published in New York on every day or every day except Sundays and holidays.

"Notice," "Direction."

(11) The word "notice" to mean a written notice. The word "direction" to mean a written direction.

Wherever in the specifications or upon the drawings the words "directed," "required," "permitted," "ordered," "designated," "prescribed," or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation or prescription of the Engineer is intended, and similarly the words "approved," "acceptable," "satisfactory" or words of like import shall mean approved by or acceptable or satisfactory to the Engineer.

Legal Address of Contractor—Address May Be Changed.

Article VI. The address given in the bid or proposal, upon which this contract is founded, is hereby designated as the place where all notices, directions and other communications to the Contractor shall be certified, mailed or delivered. The delivering at the above-named place or depositing in a post-paid wrapper directed to the above place, in any post-office box regularly maintained by the Post-office Department, of any notice, letter or other communication to the Contractor, shall be deemed sufficient service thereof upon the Contractor. Such address may be changed at any time by an instrument in writing executed and acknowledged by the Contractor and delivered to the Commission. Nothing herein contained shall be deemed to preclude or render inoperative the service of any notice, direction or other communication upon the Contractor personally.

Contractor Responsible for Acts of Sub-contractor's Employees.

Article VII. If the Contractor shall cause any part of this contract to be performed by a sub-contractor, the provisions of this contract shall apply to such sub-contractor and his officers, agents and employees in all respects, as if he and they were employees of the Contractor; and the Contractor shall not be in any manner thereby discharged from his obligations and liabilities hereunder, but shall be liable hereunder for all acts and negligence of the sub-contractor, his officers, agents and employees as if they were employees of the Contractor. The employees of the sub-contractor shall be subject to the same provisions hereof as employees of the Contractor; and the work or materials furnished by the sub-contractor shall be subject to the provisions hereof, as if furnished directly by the Contractor.

Commission May Disapprove Sub-contractors.

Article VIII. The Contractor, before making any sub-contract of the work, shall state in writing to the Commission the name of the proposed sub-contractor, the portion of the work which such sub-contractor is to do or the materials which such sub-contractor is to furnish, the place of business of such sub-contractor and such other information as the Commission may require. The Commission shall have the right to require the Contractor not to award any sub-contract to a person, firm or corporation disapproved of by the Commission.

II.

WORK TO BE DONE, PRICES, ETC.

Work to be Done.

Article IX. The Contractor shall do all the work and furnish all the materials, plant, tools and appliances necessary or proper for performing and completing the work of constructing the Railroad in the manner and within the time hereinafter specified. He shall complete the Railroad and do all work and furnish all labor and materials in and about the construction of the Railroad to the satisfaction of the Commission and in accordance with this contract and the specifications and drawnings herein mentioned at the prices herein agreed upon and fixed therefor; provided, however, that said contract drawings may from time to time be altered or modified as hereinafter provided.

Construction Includes Incidental Work.

Article X. In order to construct the Railroad it will be necessary to take up and relay the sidewalk pavement or other surface material, and to lay and maintain a temporary pavement in the roadway, to protect, support and maintain during construction all buildings and other structures, including their foundations, and all elevated and surface and subsurface railroads, water mains, gas pipes, electric subways, poles and wires, pneumatic tubes, steam pipes, vaults, including vaults of abutting property, and other surface, subsurface and overhead structures, together with their necessary connections, as the same may be met with along the route; to build sewers both along the route and other streets; to make or remake the necessary manholes, catch basins and other sewer connections therewith; to move, alter, readjust or rebuild water mains, gas pipes, electric subways, pneumatic tubes, steam pipes, vaults, including vaults of abutting property, and other subsurface structures, together with their necessary connections; and to do all such additional and incidental work as may be necessary for the completion of the Railroad and the reconstruction and restoration of the street pavements or other surfaces (except as herein provided in respect of temporary pavements for roadways), adjacent to the route of the Railroad and which may have been directly or indirectly disturbed or injured by the Contractor in the progress of the work of construction, to as useful and good a condition as existed before construction shall have been begun All such work of every description includ-

ing underpinning wherever necessary, of all buildings or structures of whatsoever nature, monuments, elevated railroads and surface and subsurface railroads affected by or interfered with during the construction of the Railroad, is part of the work which is included in this contract and which the Contractor agrees to perform for the prices herein agreed upon.

Prices.

Article XI. The City will pay and the Contractor shall receive in full compensation for furnishing the necessary plant and all the materials and labor, and for performing and completing all the work which is necessary or proper to be furnished or performed in order to complete the Railroad (including all incidental work) and also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen obstruction or difficulty encountered in the prosecution of the work, and for all risks of any description connected with the work, and for all expenses incurred by or in consequence of the suspension or discontinuance of the work as herein specified, the following prices, to wit:

SCHEDULE OF UNIT PRICES.

Item 1. For earth excavation above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., the sum of three and 50/100 dollars ($3.50) per cubic yard.

Item 2-A. For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., the sum of three and 75/100 dollars ($3.75) per cubic yard.

Item 3. For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., the sum of four and 65/100 dollars ($4.65) per cubic yard.

Item 3-A. For rock excavation for sewers and pipes, including the disposal of it, etc., the sum of ten dollars ($10.00) per cubic yard.

Item 4. For underpinning buildings, including all incidental work and material, as follows:

(*a*) For buildings less than seven (7) stories in height the sum of eighty-two dollars ($82.00) per lineal front foot of building underpinned.

Item 5. For tunnel excavation (except tunneling for sewers), including the disposal of material, timbering, etc., the sum of eight and 25/100 dollars ($8.25) per cubic yard.

Item 6. For concrete masonry, in place, the sum of nine dollars ($9.00) per cubic yard.

Item 7. For protective concrete masonry, in place, outside of waterproofing, the sum of nine dollars ($9.00) per cubic yard.

Item 8. For rubble stone masonry, in place, the sum of seven dollars ($7.00) per cubic yard.

Item 9. For brick masonry, in place, the sum of fifteen dollars ($15.00) per cubic yard.

Item 11. For grout of Portland cement, the sum of four dollars ($4.00) per barrel of Portland cement used.

Item 14. For broken stone or gravel, in place, other than that used in concrete, the sum of two and 75/100 dollars ($2.75) per cubic yard.

Item 15. For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:

(*a*) For one-ply, the sum of fifty cents ($0.50/100) per square yard.
(*b*) For two-ply, the sum of sixty cents ($0.60/100) per square yard.
(*c*) For three-ply, the sum of eighty-five cents ($0.85/100) per square yard.
(*d*) for four-ply, the sum of one and 50/100 dollars ($1.50) per square yard
(*e*) For five-ply, the sum of two dollars ($2.00) per square yard.
(*f*) For six-ply, the sum of three dollars ($3.00) per square yard.

Item 16. For waterproofing, brick laid in asphalt mastic, in place, the sum of twenty-five dollars ($25.00) per cubic yard.

Item 17. For vitrified or cast iron drain pipe, in place, as follows:

(*a*) For twelve (12) inch vitrified pipe, the sum of one and 50/100 dollars ($1.50) per lineal foot.

(*b*) For ten (10) inch vitrified pipe, the sum of one and 25/100 dollars ($1.25) per lineal foot.

(*c*) For eight (8) inch vitrified pipe, the sum of one dollar ($1.00) per lineal foot.

(*d*) For six (6) inch vitrified pipe, the sum of seventy-five cents ($0.75/100) per lineal foot.

(*e*) For four (4) inch vitrified pipe, the sum of fifty cents ($0.50/100) per lineal foot.

(*g*) For six (6) inch cast iron pipe, the sum of one dollar ($1.00) per lineal foot.

(*h*) For four (4) inch cast iron pipe, the sum of ninety cents ($0.90/100) per lineal foot.

Item 18. For tunnel ducts in place as required by Section No. 292 of the specifications, the sum of ten cents ($0.10/100) per duct foot.

Item 19. For riveted steel, painted and erected, the sum of seventy dollars ($70,00) per ton of two thousand pounds.

Item 20. For steel beams and shapes with connections, painted and erected, the sum of sixty-two dollars ($62.00) per ton of two thousand pounds.

Item 21. For steel rods and bars built in concrete, the sum of forty-five dollars ($45.00) per ton of two thousand pounds.

Item 24. For cast iron columns, erected and painted, the sum of seventy dollars ($70.00) per ton of two thousand pounds.

Item 25. For miscellaneous iron castings (other than tunnel lining) such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes, in place, the sum of seventy dollars ($70.00) per ton of two thousand pounds.

Item 26. For wire mesh, in place, the sum of six cents ($0.06/100) per pound.

Item 27. For one and one-half (1½) inch galvanized iron pipe hand-rail, in place, including expansion bolts, etc., the sum of fifty cents ($0.50/100) per lineal foot.

Item 28. For steel gratings, for ventilation, in place, including frames, etc., the sum of one and 50/100 dollars $(1.50) per square foot.

Item 29. For vault lights, in place, the sum of two dollars ($2.00) per square foot.

Item 30. For street surface restored:

(*a*) For street surface, except roadways, the sum of one and 50/100 dollars ($1.50) per square yard.

(*b*) For temporary restoration and maintenance of roadways, the sum of one and 50/100 dollars ($1.50) per square yard.

Item 32. For wrought-iron or fibre electric conduits, in place, in stations as follows:

(*a*) For three-fourth (¾) inch wrought-iron conduits, the sum of fifteen cents ($0.15/100) per lineal foot.

(*b*) For one and one-half (1½) inch wrought-iron conduits the sum of twenty cents ($0.20/100) per lineal foot.

(*c*) For two (2) inch wrought-iron conduits the sum of twenty-five cents ($0.25/100) per lineal foot.

Item 33. For cast-iron outlet boxes, in place, in stations, the sum of fifty cents ($0.50/100) each.

Item 34. For six (6) inch cast-iron pipe and fittings including specials "extra heavy" in place, in stations, the sum of one and 50/100 dollars ($1.50) per lineal feet.

SEWERS—ITEMS 37 TO 74.

Vitrified and Cast-iron Pipe.

Items 37 to 43.

Item 38. For fifteen (15) inch vitrified pipe sewer, the sum of five dollars ($5.00) per lineal foot.

Item 39. For eighteen (18) inch vitrified pipe sewer, the sum of six dollars ($6.00) per lineal foot.

Item 42. For cast-iron sewer pipe (straight pipe) in place in the work, the sum of seventy-five dollars ($75.00) per ton of two thousand pounds.

Egg-shaped Brick or Concrete Sewers.

Items 44 to 51.

Item 45. For 3 ft. 6 in. x 2 ft. 4 in., the sum of eight dollars ($8.00) per lineal foot.

Circular Sewers—Brick or Concrete or Reinforced Concrete.

Items 52 to 66.

Item 60. For 6 ft. 0 in., the sum of twenty dollars ($20.00) per lineal foot.
Item 62. For 6 ft. 6 in., the sum of twenty-five dollars ($25.00) per lineal foot.

SURFACE AND SUB-SURFACE STRUCTURES.

Items 75 and 76.

Item 75. For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed, in excess of the number existing), as follows:

(*a*) For electric railroads, the sum of twelve dollars ($12.00) per lineal foot of single track.

PIPES IN STREETS.

Items 77 to 126.

For Work and Material as Called for by Section No. 63 of the Specifications.
Water and Gas Pipes.

Items 77 to 108.

Water Pipes.

Items 77 to 88.

For water pipes in place, as follows:

Item 78. For 4-inch water pipe, the sum of seventy-five cents ($0.75/100) per lineal foot.

Item 79. For 6-inch water pipe, the sum of one and 25/100 dollars ($1.25) per lineal foot.

Item 82. For 12-inch water pipe, the sum of one and 50/100 dollars ($1.50) per lineal foot.

Item 83. For 16-inch water pipe, the sum of three dollars ($3.00) per lineal foot.

Gas Pipes.

Items 89 to 99.

For gas pipes in place as follows:

Item 90. For 4-inch gas pipe, the sum of seventy-five cents ($0.75/100) per lineal foot.

Item 91. For 6-inch gas pipe, the sum of one and 25/100 dollars ($1.25) per lineal foot.

Item 92. For 8-inch gas pipe, the sum of one and 35/100 dollars ($1.35) per lineal foot.

Item 94. For 12-inch gas pipe, the sum of one and 50/100 dollars ($1.50) per lineal foot.

Item 96. For 20-inch gas pipe, the sum of three dollars ($3.00) per lineal foot,

New Cast-Iron Hub and Spigot Water and Gas Pipe.

Items 100 and 101.

Item 100. For new cast-iron hub and spigot straight pipe delivered on the work, the sum of forty dollars ($40.00) per ton of two thousand pounds.

Item 101. For new cast-iron hub and spigot pipe, special castings, delivered on the work, the sum of seventy dollars ($70.00) per ton of two thousand pounds.

Air Pipes.

Items 121 to 124.

For air pipe in place as follows:

Item 122. For 8-inch air pipe, the sum of two dollars ($2.00) per lineal foot.

New Air Pipe Delivered on the Work.

Items 123 and 124.

Item 124. For new 8-inch air pipe, delivered on the work, the sum of two dollars ($2.00) per lineal foot.

DUCTS IN STREETS.

Electric Ducts and Conduits in Streets.

(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)

Item 127. For electric ducts and conduits in place, as provided in Section No. 64 of the Specifications, the sum of fifteen cents ($0.15/100) per duct foot.

Work Not Susceptible of Classification.

Article XII. In case any work or materials shall be required to be done or furnished in or about the Works—whether specified herein or indicated on the plans or not—which are not susceptible of classification under the Schedule of Unit Prices, the Contractor shall and will if ordered by the Engineer do and perform such work and furnish such materials at and for the actual and necessary net cost in money to the Contractor for labor and for material, where new material is used, and in addition thereto ten per centum (10%) of such net cost for the use of tools and plant, superintendence and all other expenses incidental to the performance of such work and the furnishing of such material, and the Contractor shall have no further claim in excess of the above; but this method of payment shall not apply to the performance of any work or the furnishing of any material which in part or in whole is susceptible of classification under such schedule, which work or material shall be paid for in part or in whole, as the case may be, at the unit price given in such schedule, except as herein otherwise *expressly* provided.

In case any work or material shall be required to be done or furnished under the provisions of this Article, for cost plus ten (10%) per centum, the Contractor shall at the end of each day during the progress thereof furnish to the Engineer daily time slips showing the name and number of each workman employed thereon, the number of hours employed thereon, the character of work he is doing and the wages paid or to be paid to him, and also a daily memorandum of the material delivered on the work showing the amount and character of such material, from whom purchased and the amount paid or to be paid therefor. If required, the Contractor shall produce any books, vouchers, records or memoranda showing the work and materials actually paid for and the actual prices therefor.

Quantities Approximate Only.

Article XIII. It is expressly understood and agreed that the quantities of the various classes of work to be done and materials to be furnished under this contract, specified in the Contractor's Proposal, are approximate and only for the purpose of comparing, on a uniform basis, the bids offered for the Works under this contract; and neither the City, nor the Commission, nor any member of the Commission, is to be held responsible that any of the said estimated quantities shall, by reason of inaccuracies, or changes in the Works, be found even approximately correct in the construction of the works; and the Contractor shall make no claim for anticipated profit, or for loss of profit, because of a difference between the quantities of the various classes of work actually done or materials actually delivered, and the estimated quantities stated in the Contractor's Proposal.

Right of Commission to Amplify Plans.

Article XIV. The Commission shall have the right, during the progress of the work, to amplify the plans, to add explanatory specifications and to furnish additional specifications and drawings.

Plans May Be Modified.

Article XV. The Commission further reserves the right to change the location and to alter, in any way it may deem necessary for the public interests, the drawings aforesaid, in part or altogether, at any time during the progress of the work, without constituting grounds for any claim by the Contractor for payment or allowance for damages or extra service other than is provided for items of the different classes of construction shown in the schedule, or where not susceptible of classification, then as otherwise provided herein.

Contractor Bound to Complete in Best Manner.

Article XVI. The Contractor shall complete the entire work in accordance with the specifications and contract drawings and according to the other provisions of this contract and within the times specified in this contract, in the most workmanlike manner and with the highest regard to the safety of life and property and according to the lines, levels and directions given by the Engineer, for the prices herein agreed upon.

Best Materials, Machinery, Tools, etc., to be Used.

Article XVII. The Contractor shall furnish of the best description all materials, machinery, implements, tools and labor necessary to construct and put in complete working order all work covered by the specifications, contract drawings and provisions of this contract, including all additional specifications, drawings and details issued or required as herein provided for the prices hereinbefore agreed upon.

Contractor Has Examined Location, Plans, Etc.

Article XVIII. The Contractor hereby represents that prior to the execution of this contract he has examined in detail on the ground the location mentioned herein and indicated on the plans, and that he has fully examined the plans and has read each and every clause and section of this contract and the specifications and has had full opportunity to consider the same and make necessary investigations relating thereto; and he agrees that he will not make any claim for, and have any right to, damages or an extension of time for completion of the Works, or any other concession, because of any misinterpretation or misunderstanding of this contract or the specifications or of the plans, or because of any lack of information.

No Acceptance to Obviate the Necessity for Sound Work, Etc.

Article XIX. No acceptance of any part of the Works or of materials therefor shall relieve the Contractor of his obligation to furnish sound material and perform sound work, whether with respect to such part or to any part of the Works.

Inspection.

Article XX. The Commission contemplates, and the Contractor hereby approves, the most thorough and minute inspection by the Commission and its Engineer, and by their representatives or subordinates, of all work and materials and of the manufacture or preparation of such materials from the beginning of Construction to the final completion of the Works. It is the intention of the Commission that its Engineer shall draw the attention of the Contractor to all errors or variations from the requirements of this contract or other defects in workmanship or materials. But it is expressly agreed that no omission on the part of the Commission or its Engineer or any officer, member or subordinate of the Commission to point out such errors, variations or defects shall give the Contractor any right or claim against the City or shall in any way relieve the Contractor from his obligations according to the terms of this contract.

Contractor to Afford Facilities for Inspection.

Article XXI. The Contractor shall at all times give to the Commission and its members, to the Engineer and his assistants and subordinates, and any person designated by the Commission or its Chairman, all facilities, whether necessary or convenient, for inspecting the materials to be furnished and the work to be done under this contract. The members of the Commission, the Engineer and all employees of the Commission bearing his authorization or the authorization of the Commission or its Chairman, shall be admitted at any time summarily and without delay to any part of the Works or to inspection of materials at any place or stage of their manufacture, preparations, shipment or delivery.

Engineer to be Furnished Facilities.

Article XXII. The Engineer shall be furnished with every reasonable facility for ascertaining whether the work is in accordance with the requirements and intention of this contract, even to the extent of uncovering or taking down portions of finished work. Should the work thus exposed or examined prove satisfactory, the uncovering or taking down and the replacing of the covering or the making good of the parts removed shall be paid for at the contract prices for the class of work done; but should the work exposed or examined prove unsatisfactory, such uncovering, taking down, replacing and making good shall be at the expense of the Contractor.

Inspection Not to Relieve Contractor of Obligations.

Article XXIII. The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his contract as herein prescribed, and defective work shall be made good and unsuitable materials will be rejected, notwithstanding that such work and materials have been previously overlooked by the Engineer and accepted or estimated for payment. If the work or any part thereof, shall be found defective before the final acceptance of the whole work, the Contractor shall forthwith make good such defect, in a manner satisfactory to the Engineer, and if any material brought upon the ground for use in the work, or selected for the same, shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials.

Engineer's Determination To Be Final and Conclusive Upon Contractor.

Article XXIV. To prevent disputes and litigations, the Engineer shall in all cases determine the amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for under this contract; shall determine all questions in relation to the Works and the construction thereof, and shall in all cases determine every question which may arise relative to the fulfillment of this contract on the part of the Contractor. His determination and estimate shall be final and conclusive upon the Contractor, and in case any question shall arise between the parties hereto, touching this contract, such determination and estimate shall be a condition precedent to the right of the Contractor to receive any money under this contract.

Engineer to Explain.

Article XXV. The Engineer shall make all necessary explanations as to the meaning and intention of the specifications, shall give all orders and directions contemplated therein or thereby and in every case in which a difficult or unforeseen condition shall arise in the performance of the work required by this contract.

Other Contractors.

During the progress of the work it will be necessary for other contractors and persons to do work in or about the construction or equipment of the Railroad. The Contractor shall afford to such other contractors or persons such facilities as the Engineer may require.

Differences Between Contractor and Other Contractors.

Any differences or conflicts which may arise between the Contractor and other contractors of the Commission in regard to their work shall be adjusted and determined by the Engineer.

Substitute for Chief Engineer.

Article XXVI. Any engineer substituted by the Commission in place of the Chief Engineer during his absence, illness or inability or when the Commission shall so determine, shall, during his official connection, have all the power and authority of the Chief Engineer, and in all respects be recognized as such Chief Engineer.

III.

Specifications.

Specifications and Drawings Subject to Requirement of Railroad of Highest Class. Where Text of Contract Doubtful, Best Materials and Workmanship Required.

Section No. 1. The specifications and contract drawings hereinafter mentioned and taken in connection with the other provisions of this contract, are intended by the Commission to be full and comprehensive, and to show all the work required to be done. But in a work of this magnitude it is impossible either in advance to show all details, or precisely to forecast all exigencies. The specifications and contract drawings are to be taken, therefore, as indicating the amount of work, its nature and the method of construction so far as the same are now distinctly apprehended. The Railroad is intended to be constructed for actual use and operation as an interurban railroad of the highest class, adapted to the necessities of the people of New York, in the best manner, according to the best rules and usages of railroad construction, and in the event of any doubt as to the meaning of any portion or portions of the specifications or contract drawings, or of the text of the contract, the same shall be interpreted as calling for the best construction, both as to materials and workmanship, capable of being supplied or applied under the then existing local conditions. All the clauses of the specifications, and all the parts of the contract drawings, are, therefore, to be understood, construed and interpreted as intending to produce the results hereinbefore stated.

To Construct in Accordance with Specifications.

Section No. 2. The Contractor shall construct and complete the Railroad strictly in accordance with the requirements of these specifications; if, in the specifications or contract, any detail or other matter or thing requisite be not mentioned, nevertheless the same is deemed to be included and the Contractor hereby undertakes to do the same as part of the work hereunder, at the unit prices for each class of work where applicable or as provided in Article XII of the contract.

Maps and Drawings.

Section No. 3. The contract plans referred to in the contract and specifications bear date September 8, 1911, are each countersigned by the Engineer, are stamped with the seal of the Commission, bear the general title:

Route No. 5, Section No. 9.

Contract Drawing No.

and are designated or numbered as follows:

Numbers A-11, B-200 to B-204 inclusive, C-1 to C-20 inclusive, C-401, C-1001, C-501 to C-504 inclusive, and C-1002 to C-1006 inclusive.

Typical Sections and Dimensions.

Section No. 4. The sections and dimensions shown on the contract drawings are typical sections and dimensions which should be applicable to the greater part of the work. Where, however, changes are deemed necessary they may be ordered under Article XV of the contract and the Engineer shall issue such plans and specifications as may be necessary.

Supplementary Drawings.

Section No. 5. In addition to the contract drawings already mentioned, the Commission has had prepared a set of maps and plans, bearing the same seal and general title as the contract-drawings, but designated as Supplementary Drawings. These supplementary drawings exhibit certain information which the Commission has received from its Engineer of the nature of the soil underlying portions of the route, the nature and position of elevated and surface railways, water mains, gas and other pipes, sewers, electric subways, manholes, hydrants, catch basins and other surface and sub-surface structures.

Supplementary Drawings May Be Examined.

Section No. 6. These supplementary drawings, for each section of the work, can be seen at the office of the Engineer, also samples of material taken in connection with test borings. They are exhibited to the Contractor without any guarantee on the part of the Commission as to their completeness or correctness. The Contractor may have copies (blue prints) of these drawings for the section included in this contract for such aid, if any, as may be derived from them, on the payment of the cost of blue-printing.

In Case of Difficulties Not Indicated on Supplementary Drawings.

Section No. 7. If, upon opening the streets by tunneling or otherwise, difficulties of any nature be encountered which are not indicated or suggested by the supplementary drawings, or by the samples of the test borings, or if additional surface or sub-surface structures or obstructions be discovered or found of different size or in different positions or of different nature from those shown on the supplementary drawings, or if in any way such supplementary drawings be found erroneous, the Contractor shall take every necessary or proper precaution to overcome the unforeseen difficulty, and is to support, maintain, protect, remove, adjust or readjust, as the case may be, the additional or different surface or sub-surface structures according to the direction of the Engineer, and as provided in this contract and these specifications.

Specifications Not Exclusive.

Section No. 8. It is expressly understood that the specifications do not include all requirements, but are requirements in addition to those heretofore or elsewhere given or provided in this contract. The specifications and other provisions of this contract, and the contract drawings, are intended to be explanatory of each other. Should, however, any discrepancy appear or any misunderstanding arise as to the import of anything contained in either, the explanation of the Engineer shall be final and conclusive.

Sub-divisions of Specifications.

Section No. 9. These specifications are grouped in subdivisions as follows:

		PAGE.
1	Brief Description of the Work	29
2	General Clauses	30
3	Manner of Prosecution and Maintenance of Traffic	36
4	Street Railroad Tracks, Mains and other Surface or Subsurface Structures	38
5	Excavation	42
6	Tunneling	47
7	Backfilling	49
8	Piling and Timbering	50
9	Cement	51
10	Mortar	54
11	Masonry	54
12	Concrete	56
13	Brick Masonry	60
14	Stone Masonry	61
15	Waterproofing	61
16	Steel and Iron	65
17	Painting	72
18	Ducts and Conduits	74
19	Drains and Pumps	78
20	Sewers	80
21	Requirements for Pipes	95
22	Street Surface and Park Surface Restored	101
23	Vault Lights, Gratings and Hand-rails	103

1

Brief Description of the Work.

General Nature.

Section No. 10. The Rapid Transit Railroad which is hereinbefore described is to be an underground railroad or subway, the general details of construction and the location of the various tracks, junctions, grades, etc., being indicated more particularly on the contract drawings.

Stations to Be Constructed.

Section No. 11. Stations are to be constructed at such places as are indicated on the plans, but station finish work is not included in the work to be done under this contract. Station construction must, however, be kept so advanced that station finish contractors can complete their work coincidently with the completion of the Railroad.

Surface and Sub-surface Structures.

Section No. 12. In addition to the construction of the Railroad, it will be necessary to do various incidental work which is generally referred to in Article X hereof.

Ventilating Chambers and Gratings.

Section No. 13. In order to provide for a frequent renewal of air in the Railroad, chambers for the installation of necessary ventilating devices shall be built at the sides of the Railroad and in connection therewith. These chambers shall be generally of the form and dimensions as shown on the plans, varying somewhat with the requirements of local conditions. They will be so arranged that the air will discharge through gratings placed generally in the sidewalks in the roofs of the chambers. If, owing to local conditions, it becomes necessary to lead the air to gratings or other outlets away from the chambers, suitable air-ways, ducts or flues shall be constructed.

The chambers will be built at the places and as indicated on the plans.

Section No. 14. Other openings with gratings will be built at or over the stations, for the purpose of admitting air to the Railroad.

Section No. 15. The chambers will be provided with suitable doors or openings, and with ladders reaching to the street for use as exits in case of emergency.

2

General Clauses.

Prevention of Water Percolation.

Section No. 16. It is the very essence of these specifications to secure a railroad structure underground which shall be free from the percolation of ground or outside water. The mixing and placing of the concrete and the placing and protection of the waterproofing shall be with this end in view.

Best Quality of Work.

Section No. 17. All materials and workmanship must be of the best class in every respect, and the Engineer is to be the sole judge of their quality and efficiency.

Rapidity and Safety.

Section No. 18. All the work shall be prosecuted in the manner, according to local conditions, best calculated to promote rapidity in construction, to secure safety to life and property and to reduce to the minimum any interference with abutting property and the public travel. Decking of the streets, paving, or other surface work affecting, or affected by, street traffic shall be prosecuted during such hours as will reduce such interference to a minimum. Night work shall be conducted, in accordance with the directions of the Engineer, so that annoyance to occupants of abutting property shall be reduced to a minimum, and the Engineer may, if in his judgment conditions so require, direct that night work be omitted.

Contract Section Part of System.

Section No. 19. The contract section embraced in this contract is one of a number of contract sections forming part of an extensive rapid transit railroad system, which the interests of the City imperatively require should be completed and put in operation without delay. If the Contractor shall fail so to prosecute his work that, in the judgment of the Engineer, it shall not be reasonably probable that the work will be completed within the time limited, the Contractor, if directed by the Commission, shall increase the number of shifts and the number of men in each shift as may be necessary to insure the completion of the work within the time required by this contract, or within the shortest possible time thereafter.

Emergencies.

Section No. 20. In case of emergencies involving danger to life or property, continuous work with an increased force may be ordered by the Engineer for such time as may be necessary.

Permits.

Section No. 21. No work shall be begun until the Commission shall issue to the Contractor a permit authorizing him to proceed. No permits for excavation will be issued until the Contractor has given satisfactory assurance to the Engineer that the material needed for construction has been acquired and is available. Such permits are to be in such form and to cover such portions of the work as the Commission shall prescribe.

When to Be Filed with Borough President.

Section No. 22. Before any opening is made in the surface of a street, a copy of the permit issued by the Commission shall have been filed with the Borough President not less than five days, unless the Engineer shall expressly direct work to begin within a less period.

Notice Regarding Commencement of Work.

Section No. 23. Before commencing work on any part of the route, whether on the Railroad or on the sewers lying off the line of the Railroad, the Contractor shall give notice in writing to the Engineer at least one (1) week in advance of his intention to commence such operations: and before commencing manufacture, or resuming manufacture, if the same has been suspended, of any article called for by these specifications, notice shall be given to the Engineer in writing at least one (1) week in advance, with the name and address of the maker and the amount and description of the material to be manufactured.

Shafts and Dumping Platforms.

Section No. 24. Plans showing the proposed location, and proposed methods of construction, of shafts, dumping platforms, etc., shall be submitted to the Engineer and receive his approval before permits will be granted for such plant and appliances to be constructed and put in operation.

Ordinances and Regulations.

Section No. 25. In all operations connected with the Works, all ordinances of the City, and of the Board of Health, so far as they may be valid and operative with respect thereto, and all laws of this State which are now applicable to and control or limit in any way the actions of those engaged in the work or affecting the materials belonging to them, shall be respected and strictly complied with, and the Contractor shall further strictly comply with all applicable Federal, State and Municipal regulations regarding the transportation in and around the City and Harbor of materials used in, or in connection with, the work.

Requirements of Borough President, etc., to Be Observed.

Section No. 26. Whenever the construction of the Works under the provisions of this contract shall interfere with, disturb or endanger any sewer, waterpipe, gaspipe, or other duly authorized sub-surface structure, the work of construction at such points shall be conducted in accordance with the reasonable requirements of the Borough President or the Commissioner of Water Supply, Gas and Electricity or other officer or local authority having the care of and the jurisdiction or control over such sub-surface structures so interfered with, disturbed or endangered.

Building and Water Permits, Shut-Offs for Water Pipes, etc.

Section No. 27. The Contractor shall procure all permits necessary or requisite for the underpinning of buildings and the reconstruction thereof; he shall, at his own cost, provide for the water supply necessary for his work and he shall bear the cost of the services of inspectors required by any municipal department or other public authority in or about the execution of the work other than the inspectors or the employees of the Commission. He shall bear the expense absolutely necessary in the bagging of gas pipes where it is necessary to cut off the supply of same and of the shutting off and restoration of the flow in water mains where such work applies to the maintenance and support thereof as provided in Section No. 62 of the specifications.

Storage on Cross-Streets.

Section No. 28. No materials of any nature shall be stored along the streets occupied by the Railroad. On cross-streets adjacent to the work, only such material may be stored as may be necessary, in case of an emergency, to sheet or to support the excavation; or a reasonable amount of such structural material as may be absolutely necessary to avoid delay in construction may be stored; such material must not be allowed to accumulate, but must be replenished from day to day. The amount to be so allowed shall be determined by the Engineer.

Material Stored.

Section No. 29. Excavated sand, gravel or stone that in the judgment of the Engineer is suitable for use in mortar, concrete, or masonry, also structural and other material to be used in the work, may be stored in such locations and for such periods as are approved by the Engineer.

Approval of Engineer Revocable.

Section No. 30. In any case material may only be so stored with the approval of the Engineer, revocable at any time; and if so ordered, such material shall be removed immediately on receipt of the order, or within a period of time to be therein stated.

Access to Fire Hydrants.

Section No. 31. Wherever the work is being carried on, free access must be given to every fire hydrant and fire alarm box, and when required hydrants shall be extended by suitable tube or piping to an accessible point as approved by the Engineer, and to the satisfaction of the Chief of the Fire Department. Materials must not be piled at any time or place within ten (10) feet of any fire hydrant or fire alarm box; and where materials are unavoidably piled or placed in the vicinity of a fire hydrant or fire alarm box, and to such height as to obscure a sight of the same, the position of such hydrant or fire alarm box shall be indicated by suitable signals, both day and night.

Work to Be Cleared.

Section No. 32. At his own expense and as directed from time to time by the Engineer, the Contractor is to clear the work, streets and all public places occupied by him of all refuse and rubbish that may accumulate from any source whatever and leave them in a neat condition; but this is in no way to be construed as placing upon the Contractor the usual duties of the Street Cleaning Department.

Assistance to Be Rendered to Owners of Buildings.

Section No. 33. Where access to any adjacent property is temporarily cut off, owing to the occupancy of the street by the Contractor, he must, at his own cost, render every assistance to the owner or occupant in handling such materials of any description, including all material to be removed by the Department of Street Cleaning, that has to be taken to or removed from such property; such material shall be taken to or from the nearest accessible point that in the opinion of the Engineer is convenient for handling.

Waste Material.

Section No. 34. Waste material of any character will under no conditions be permitted to remain on the streets, but must immediately on its becoming unfit for use in the work be carted away and disposed of by the Contractor as hereinbefore provided; nor shall such materials be allowed to accumulate in the trenches.

Conveniences for Men.

Section No. 35. Necessary conveniences, properly secluded from public observation, shall be constructed and maintained by the Contractor at his own expense wherever needed for the use of the Contractor's employees, to the satisfaction of the Engineer and the sanitary authorities.

Fences.

Section No. 36. Wherever necessary the Contractor shall erect and maintain at his own expense fences for the protection of adjoining property and of the adjoining public places.

Advertisements Forbidden.

Section No. 37. The using of fences and buildings during construction for advertising purposes, other than the name and address of the Contractor, is forbidden; all temporary buildings and fences erected by the Contractor shall be neat in appearance and shall be painted as directed by the Engineer.

Barricades.

Section No. 38. Barricades and bridges shall be erected by the Contractor at his own cost, for the protection of the work or use of the public; they shall be substantial in character and neat in appearance.

Detailed Drawings.

Section No. 39. The Engineer will prepare and furnish to the Contractor, from time to time as required, drawings and plans amplifying such details of the contract drawings as may be necessary, and drawings and plans necessary to show the adjustment and reconstruction of all surface and subsurface structures wherever the reconstruction of the same is necessitated by the construction of the railroad. These plans must be strictly followed, unless local conditions should develop, during construction, suggesting changes, when, with the approval of the Engineer, such changes may be permitted.

Working and Shop Drawings.

Section No. 40. The Contractor shall make all working or shop drawings which may be required in addition to the contract drawings, or in addition to such other drawings as the Commission may issue in amplification of such contract drawings, as explained above. All working or shop drawings shall be submitted in duplicate to the Engineer for his approval, which approval shall be indicated by his countersigning one set of such working or shop drawings and returning the same to the Contractor. Should the working or shop drawings be not approved by the Engineer, then the Engineer shall return one set of such working or shop drawings, with the necessary corrections and changes indicated thereon; and the Contractor must make such corrections and changes, and again submit plans in duplicate for the approval of the Engineer; and no work called for by said working or shop drawings shall be done until the approval of the Engineer be obtained, which must be given or refused within ten (10) working days after delivery to him at his office of such plans in duplicate.

Lines and Grades.

Section No. 41. During the progress of the work the Commission will give, through the Engineer, to the Contractor, suitable points, marks or benches, indicating the line and grade of the Railroad and of the sewers; such points or bench marks to be established at such intervals as the Engineer deems necessary for the Contractor to be able to perform his work. The principal lines and grades are to be given by the Engineer, who may change them from time to time as may be authorized and directed by the Commission. The stakes and marks given by the Engineer shall be carefully preserved by the Contractor, who shall give to the Engineer all necessary assistance and facilities for establishing benches and plugs for making measurements.

Notice, How Given.

Section No. 42. When the Contractor is absent from any part of the work where it may be necessary to give instructions, orders will be given by the Engineer to, and shall be received and promptly obeyed by the superintendent or overseer of the Contractor, who may have charge of the particular work in relation to which the orders are given, and a confirmation in writing of such orders will be given to the Contractor by the Engineer if so requested.

Imperfect Work.

Section No. 43. Any imperfect construction which may be discovered before the final acceptance of the work, shall be corrected immediately on the requirement of the Engineer and at the Contractor's expense, notwithstanding that it may have been overlooked by the proper inspector.

Damaged Work to be Replaced.

Section No. 44. All work of whatever kind which during its progress and before its final acceptance shall become damaged from any cause, so much of it as may be objectionable shall be broken up or removed and be replaced by good and sound work at the Contractor's expense.

Condemned Materials to be Removed.

Section No. 45. If any material brought on the ground for use in the work or selected for the same shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials as may be directed by the Engineer.

Competent Men.

Section No. 46. The Contractor shall employ only competent, skillful and faithful men to do the work. Whenever the Engineer shall notify the Contractor in writing that in his opinion any man on the work is incompetent, unfaithful or disorderly, such man shall be discharged from the work and shall not again be employed on it.

3

Manner of Prosecution and Maintenance of Traffic.

Access to Buildings, etc.

Section No. 47. No building shall, without the consent of the occupant, and after notice to the Engineer, be deprived of means of access thereto; and, where streets are open suitable bridges shall be built and maintained, at the Contractor's expense, to permit owners and occupants to reach their premises. Where necessary, proper and easy means for passengers to reach or leave street cars shall be maintained.

Wharves and Docks.

Section No. 48. For that portion of the route adjoining wharves and docks the work must be so prosecuted as to permit free access to neighboring wharves and docks.

Contiguous Contract Sections.

Section No. 49. On the division line of contiguous contract sections, the Engineer will decide any matters in the details of construction within a limit of ten feet on either side of the line where the work of contractors may be in conflict, and direct which of the contractors shall complete the details of construction within such limits.

Conduct of Work.

Section No. 50. Generally the Contractor will be permitted to conduct its work in the most expeditious manner possible, having due regard for the safety of persons and property and facilities for traffic and under such instructions as the Engineer may give from time to time.

Facilities for Travel.

Section No. 51. All necessary facilities are to be furnished by the Contractor for the benefit of street travel, both on longitudinal and cross streets.

Decking of Streets and Sidewalks.

Section No. 52. In order to provide the minimum interference with traffic and the minimum inconvenience to abutting property owners, during the construction of the Railroad, on all parts of the work when the excavation is in trench the streets and sidewalks shall, except as hereinafter specifically provided, be substantially decked or covered over, and every precaution must be taken to keep traffic free from interruption.

Street Intersections.

Section No. 53. The street intersections, except in cases where open trench excavation without cover is permitted, shall be kept at all times open for traffic for their full width. The street intersections in cases where open trench excavation without cover is permitted must be kept at all times open to traffic at least one-half the width of the cross-roadway, except that cross-roadways in which surface railroads are located shall be kept at all times open to traffic for their full width.

Where portions of a street intersection are opened the same shall be substantially and neatly bridged for foot traffic. In all cases the Contractor shall at all times keep all the street crossings on the lines of the sidewalks in a clean and neat condition, bridging gutters and low places where water might collect.

Close Observance of Above Requirements.

Section No. 54. The Commission will insist upon the close observance of the above requirements, and no departure therefrom will be allowed, excepting upon the written permission of the Commission.

Openings For Ventilation.

Section No. 55. Wherever the excavations are decked, all gas pipes whose service cannot temporarily be dispensed with shall be by-passed, temporary pipes to take their place being laid above the street or sidewalk surfaces. The cost of such by-passing will be paid for as provided in Article XII. of the contract, but no allowance will be made for the maintenance of such temporary pipes.

Temporary Pipes, etc.

Section No. 56. Temporary pipes, if laid above the street or sidewalk surfaces, shall be neatly and substantially placed, and in a manner to cause the minimum of inconvenience to the abutting property owners and to the public.

In General.

Section No. 57. In general, work will as provided herein be carried on under covered roadways. In exceptional cases, however, where rock is within a few feet of the street or sidewalk surface, it may be impracticable to operate drills while the street is covered, until a sufficient depth of excavation has been obtained. In such cases such latitude will be allowed the Contractor as may prove absolutely necessary for the execution of its contract, and as the Engineer with the approval of the Commission may deem advisable, after a thorough understanding of the exact conditions and necessities has been determined.

Street Railroad Tracks, Mains and Other Surface or Sub-Surface Structures.

Notice to be Given.

Section No. 58. Notice is to be given by the Contractor to all companies and the proper City officials, owning or having charge of surface or sub-surface structures along any part of the work, of his intention to commence operations along such part of the route, at least one (1) week in advance, and the Contractor shall file with the Engineer at the same time a copy of said notice; and he shall co-operate with the proper officers or officials in charge of such structures and shall furnish them with all reasonable facilities to inspect the methods of caring for their property.

Plans Furnished.

Section No. 59. In the rearrangement of sub-surface structures requiring removal and relaying or reconstruction due to interterencee with the railroad structure a tentative plan will be made by the Engineer, which will be submitted to the parties interested; if any reasonable changes are then requested by any of the said parties within ten days after the submission of the tentative plan, such changes will then be made, if in the judgment of the Engineer they will best conserve the interest of all parties concerned; a further plan will then be made which, on the approval of the Engineer, will be final.

Reconstruction or Relaying, etc.

Section No. 60. Whenever it becomes necessary to cut, move, change, or reconstruct any surface or sub-surface, structures, or connections therewith, such work shall be done according to the reasonable satisfaction of the owners of such pipes or other structures.

Reasonable Dispatch.

Section No. 61. All work of reconstruction or alteration shall be done with reasonable dispatch, and facilities are to be provided so that said work will interfere as little as possible with the practical working and use of such structures.

Maintenance, Support, etc.

Section No. 62. The Contractor shall at all times, by suitable bridging or other supports, maintain and support in an entirely safe condition for the usual service and to the reasonable satisfaction of the owners, all surface and sub-surface structures encountered during the prosecution of his work. All surface and sub-surface structures and surfaces of whatever character along the line of the work shall be protected from injury, but should any injury occur the Contractor shall fully restore such surface or sub-surface structures or surfaces to as good a condition as existed before the injury was done. All the above, including also all changes of surface or sub-surface structures made by the Contractor for his own convenience in executing his work, shall be done at the Contractor's own expense and included in the prices stipulated in the Schedule for excavation except as otherwise herein specifically provided.

Necessary Permanent Changes of Pipes.

Section No. 63. Changes of water, gas, steam or other pipes made necessary because of physical interference with the railroad structure, and requiring the removal relaying or reconstruction of such pipes and their appurtenances in other than the original position, will be paid for at the prices stipulated in Schedule Items 77 to 99. Items 102 to 106, Items 109 to 114, Items 121 and 122, and Item 125. These prices are per lineal foot of pipe laid including all work, labor and material incidental to such laying, excepting that:

(1) If new pipes have to be provided and are ordered by the Engineer, such new pipes will be paid for in addition to the price paid for laying, etc., at the prices stipulated in Schedule Items 100 and 101, Items 107 and 108, Items 115 to 120, Items 123 and 124, and Item 126, which prices are to cover the cost of the new pipes delivered on the work,

(2) If the pipes in their new locations are outside of the ordered net lines for excavation for the railroad structure, necessitating additional excavation and restoration of street surface, such excavation will be paid for at the prices stipulated in Schedule Items 2-A and 3-A (which prices shall include all the matters referred to in Section No. 99), and for restoration of street surface, Item 30 A and B, but only to the net lines ordered by the Engineer for excavation for such pipe work.

Necessary Permanent Changes of Electric Conduits and Ducts.

Section No. 64. Changes of electric conduits or ducts and their appurtenances found in the streets (other than street railway ducts, payment for which is provided for in Schedule Item 75-a), made necessary because of physical interference with the railroad structure, and requiring the removal, relaying or reconstruction in other than the original position, will be paid for at the price stipulated in Schedule Item 127. The price per duct foot as provided in Schedule Item 127 is to include the cost of all ducts in place; of all manholes, vaults, service boxes and their appurtenances; of drawing cables and providing new cables where necessary; of the proper restoration of all services that may be affected by the changes in the duct lines; of such excavation and restoration of street surface as may be necessitated by the changes in the duct lines, and all other work and material incidental to and necessary for the completed duct lines.

Surface and Elevated Railroads.

Section No. 65. The Contractor shall maintain and support, in a manner that will cause the minimum interference with traffic, all surface, sub-surface and elevated railroads along the line of or crossing the line of the work.

Surface Railroads.

Section No. 66. The Contractor shall maintain and support, both temporarily and permanently, in a safe condition all street surface railroads (including steam railroads), including ducts, cables and all other appurtenances of such railroads; he shall rebuild either in their original or in new locations all parts of such surface railroads, including ducts, cables and all other appurntenances of such railroads, whose reconstruction or rebuilding may be necessitated by the construction of the work. Payment therefor will be at the rates specified in the Schedule for electric railroad, Item 75-A, or for horse railroad, Item 75-B, which prices will include the cost of all work incidental thereto. Where permanent masonry supports are required and added, and where additional vaults in excess of the number existing are required and constructed to give equivalent facilities, they will be paid for at the prices given in the Schedule for the several classes of work or material applicable thereto.

Elevated Railroads.

Section No. 67. The Contractor shall maintain and support both temporarily and permanently in a safe condition all elevated railroad structures. Payment therefor will be at the rate specified in Schedule Item 76, which price will include the cost of all incidental work, including the reconstruction and building where necessary of all column foundations and parts of column foundations lying without the net lines of the subway structure.

Sub-surface Railroads.

Section No. 68. The Contractor shall support and maintain both temporarily and permanently in a safe condition all sub-surface railroads and their appurtenances. Payment therefor shall be deemed included in the prices for excavation, Schedule Items 1, 2 and 3.

Facilities to be Given to Make Extensions.

Section No. 69. In the event of the owners or the City desiring to make any alteration or extension to their structures, or do any work to or in connection with surface or sub-surface structures owned by them or it, at the time the work under this contract is in progress, the Contractor shall give said owners or the City all reasonable opportunity to perform such work; provided such work or alteration for the benefit solely of the owners of sub-surface structures does not cause the Contractor any serious loss or delay, as shall be determined by the Commission.

Parks and Parkways, Trees, etc.

Section No. 70. In any park or parkway, or where any grass plots or trees exist along any street occupied by the Contractor, proper precautions must be taken to protect from injury all such trees or grass plots. For every tree removed, injured or destroyed, the Contractor shall set out a new thrifty tree of the same kind as the tree removed, injured or destroyed, and not less than fifteen (15) feet in height and not less than three and one-half (3½) inches in diameter measured two feet above the surface of the ground, and in such position as the Commissioner of Parks shall indicate. All roads, cross-paths, grass plots, shrubbery and other plants removed or affected by the construction of the Railroad, shall be restored as soon as possible to as good a condition as existed before the commencement of the work.

Replanting Under Direction of Park Commissioner.

Section No. 71. In replanting trees and the replanting of grass plots the Contractor must be governed by the reasonable requirements of the Commissioner of Parks or by other authorities specially charged with the care of these trees or grass plots, and the nature and depth of the soil to be placed therein must be as approved by such authorities and by the Commission.

Payments, How Made.

Section No. 72. Payment for all work covered by Sections 70 and 71 shall be included in the prices paid for Park or Street Surface Restored, Schedule Items 31 or 30.

5

Excavation.

Width of Excavation.

Section No. 73. Special care must be taken to avaid damage wherever excavation under cover is being done or where open excavation is permitted. The width of such excavation shall not exceed the width actually necessary, in the opinion of the Engineer, for the proper prosecution of the work. All excavations shall be of such width, in addition to that of the Railroad, as shall be necessary, in the opinion of the Engineer, for the proper and expeditious progress of the work, and to permit the laying and readjusting of all sewers, mains, subways and other sub-surface structures, encountered along the route and contiguous to the Railroad.

Depth of Trenches.

Section No. 74. Trenches shall be excavated to such depth, both in soft ground and in rock, as may be necessary ot permit the laying of such concrete bed or special foundation as may be deemed necessary by the Engineer.

Sides to be Secured.

Section No. 75. The sides of the excavations shall be secured against slips by suitable sheet piling or sheeting, held in place by braces, shores or walling timbers, special precautions being taken where there is additional pressure, due to the presence of buildings or other structures. Where a movement of the ground might cause the settlement of an adjacent building, the sheeting must be started, if near the building, before the elevation of the bottom of the foundation of the building is reached; if away from the building, at such depth of the excavation as the Engineer may permit; and the excavation must not be made in advance of or below the bottom of the sheeting.

Filling Back of Sheeting.

Section No. 76. Sheeting shall be driven wherever possible, but when it is placed against the sides of the excavation, the spaces or voids back of the sheeting must be immediately and carefully filled with suitable material to prevent as far as possible the natural ground back of the sheeting from moving.

Buildings Underpinned.

Section No. 77. To secure adjacent ground or the buildings thereon, or to prevent bringing an unusual pressure on the structure when completed, the Contractor shall secure the sides of the excavation by suitable timbering, and shall safely and permanently underpin adjacent buildings. As part of this obligation the Contractor shall use such methods of construction or underpinning, pneumatic or otherwise, as special conditions may require and the Engineer shall approve.

Payment For.

Section No. 78. Where underpinning of a building is necessary and the work is done as provided in Section No. 77, payment will be made to the Contractor as, and at the price, provided in Schedule Item 4. The classification as to the number of stories has reference to the number of stories above the surface of the street.

Sheeting.

Section No. 79. No payment shall be made to the Contractor for sheeting left in the ground or in the work, unless the Engineer shall in writing require it to be left in, in which case payment shall be made to the Contractor for the sheeting so

left in as measured by the Engineer, and at one-half the current market price for new material of the same grade, character and dimensions, and without any allowance or payment for placing the same or the expense thereof. This section applies only to the sheeting in trench work.

Timber for Temporary Purposes.

Section No. 80. All timber used for sheeting, shoring, bracing, decking or other temporary purposes, shall be sound and free from any defects that may impair its strength. It shall be provided, placed and removed at the Contractor's own cost and expense. The top or wearing surface of all decking used for carriageways shall be of hard yellow pine, sound, straight, and free from all shakes, and large loose knots. All sheeting and timber used temporarily shall be put in place by skilled mechanics, keyed tight by wedges where necessary, and so arranged as to be withdrawn readily without endangering the adjoining soil.

Vaults of Abutting Property.

Section No. 81. The cost of the removal, where necessary, of all walls or other parts of vaults of abutting property along the line of the Railroad that are within the ordered net lines of excavation is to be included in earth excavation as provided in Section No. 94, but the restoration of all such walls or other parts of vaults within the ordered net lines of excavation will be paid for at the unit prices specified in the Schedule applicable to the several classes of work and material involved in such restoration.

The above is not to be construed, however, as applicable to any work beyond the ordered net lines of excavation, which shall be at the Contractor's own cost and expense.

Vaults Disturbed.

Section No. 82. Wherever vaults are broken through or otherwise disturbed, the Contractor shall at his own cost and expense erect a temporary partition on or about the building line, or as directed, that will afford proper protection to the owner or occupant of the adjoining premises.

Rock.

Section No. 83. Ledge rock in place, and boulders within the ordered line of excavation requiring blasting, will be considered as rock excavation.

Preparations for Rock Measurement.

Section No. 84. Whenever rock is encountered in the trench, it shall be stripped of earth in sections of not less than twenty feet; and the engineer in charge shall be duly notified, in order that he may measure or cross-section the same.

Blasting.

Section No. 85. Whenever rock or material requiring blasting is encountered in any trench or tunnel, all necessary precautions must be exercised by the Contractor, as required by the ordinances of the City relative to blasting. Explosives shall be used only of such character and strength as may be permitted by the Commission, and the right is reserved for the Engineer to direct that in special cases ordinary blasting powder only, in small charges, shall be used. Blasting shall not be done between the hours of 11 p. m. and 7 a. m. without the express permission of the Engineer, and under such restrictions as he may impose.

Storage of Explosives.

Section No. 86. No larger quantity of explosives shall be kept on the line of the work than will be actually required for the twelve (12) hours of work next ensuing, and it shall be kept under lock, the key to which is to be only in the hands of the foreman or other equally trustworthy person. The amount of explosives kept in any one place shall not exceed the limit permitted by any ordinance of the City, or as may be determined by the Commission. Caps and exploders shall not be kept in the same place with dynamite and other explosives. During freezing weather, special precautions shall be taken as to the care and manipulation of dynamite.

Near Pipes and Mains.

Section No. 87. Whenever any pipe or main is encountered in or alongside of the trench, right is reserved to direct that all rock within five (5) feet of the same shall be removed by means other than blasting.

General Precautions in Blasting.

Section No. 88. In rock excavation in the trenches for the Railroad the work must be so regulated as to avoid, as far as possible, shattering the rock beyond the established line for excavation.

Close Drilling.

Section No. 89. Generally the central portion of the excavation must, when directed by the Engineer, be kept some distance in advance of the excavation near the sides, and if the rock, owing to its general character and structure, has a tendency to break large, or the strike and dip of the stratification indicate a liability to slip or slide into the excavation, the Contractor must place the drill holes at close intervals on the established lines for excavation, in order to avoid excessive excavation and to preserve the established lines thereof.

Pumping.

Section No. 90. Whenever water is encountered in trenches, the same shall be removed by bailing or pumping, great care being taken when pumping that the surrounding particles of soil be not disturbed or removed. If necessary to prevent such disturbance, the pumping must be done by a series of driven wells whose points are protected by fine wire cloth, the rate of flow at each well being made so slow as not to remove the particles of soil; or the pumping must be done by other means approved by the Engineer. The delivery from all pumps shall be conducted into the adjacent sewers, and the delivery pipes shall be so arranged as to be readily inspected at all times to ascertain if the water is free from particles of soil.

Carts to be Tight.

Section No. 91. All carts, buckets or other vehicles used by the Contractor for the removal of material, shall be tight and so arranged and so loaded as not to spill over. Whenever a cart, bucket or other vehicle so used is leaky or unsuitable, it shall be immediately withdrawn from the work on notification by the Engineer, or his duly qualified assistant, in charge of that portion of the work.

Removed Expeditiously.

Section No. 92. Excavated material shall be removed expeditiously and disposed of, in any place selected by the Contractor, subject to the ordinances and regulations of the City authorities governing the disposal of such material, and the regulations of the United States Government as to the disposal or dumping of material in and about or near the Harbor of New York.

When Excavated Material may be Taken by City.

Section No. 93. If at any time during the course of construction the City shall desire for city purposes any part of the material excavated, and the cost of such disposal shall not exceed the cost to the Contractor of the method in which he is then disposing of it, the Commission may order such material dumped or turned over to the City at a point designated without cost to the City.

Earth Excavation, Definition of.

Section No. 94. Earth excavation includes the excavation of all materials of whatever nature encountered in the trenches, excepting ledge rock in place and boulders requiring blasting.

Excavation in Trenches, How Measured.

Section No. 95. The net outside width of the Railroad structure, as ordered and indicated on the plans, and the depth, also as ordered and as indicated on the plans, will govern as to width and depth in the measurements for payment for excavation. No deduction from the volume of excavation determined as above, will be made on account of basements or cellars in property acquired by the City for the construction of the Railroad or on account of vault space or of spaces occupied by pipes and other sub-surface structures.

No Allowance Outside of Ordered Net Lines.

Section No. 96. There will be no measurement or allowance made nor money paid for excavation outside (below or wider than) the net measurement lines as above indicated, or in rock excavation, for irregularities of surface; and no allowance shall be made for any excess excavation caused by slips or slides. It is understood and agreed that for all such matters the Contractor has estimated and allowed in the unit prices of the Schedule.

Change of Street Grade.

Section No. 97. Where the contract drawings indicate that the grade of any street is to be raised the Contractor shall fill in the street to the changed grade as required and such work shall be measured and paid for at the price stipulated for earth excavation, Schedule Item 1.

Payment for Excavation.

Section No. 98. Excavation shall be paid for at the price or prices given in Schedule Items 1 and 2 for excavation in earth and Item 3 for excavation in rock.

Prices for Excavation to Include.

Section No. 99. The prices herein stipulated for excavation, Schedule Items 1, 2 and 3, are to include the cost of the disposal of the materials excavated, of backfilling, of all decking and bridging, of all materials excavated, of backfilling, of all decking and bridging, of all sheeting and bracing, and of maintaining and supporting of trenches during and after excavation, of all pumping or bailing, and of the maintenance, support, etc., of all surface and sub-surface structures of whatever nature, payment for the maintenance and support of which is not herein elsewhere *specifically* provided for

6.

Tunneling.

How Lined.

Section No. 100. All tunnels shall be lined with steel or cast-iron and concrete, or with concrete or brick masonry.

Where tunnels are lined with concrete or brick work without metal tubes, proper provisions shall be made for keeping the tunnels dry by the use of drains, and by other methods as elsewhere provided.

Packing.

Section No. 101. The space between the extrados of the arch or back of the sidewalks and the rock or other materials of excavation, shall be filled with concrete to a height of two feet above the spring line of the arch—above this concrete the space shall be filled with dry masonry packing. Similarly in the tunnel floor, if concrete is used, all loose muck shall, if directed by the Engineer, be removed to the solid rock and the space filled in with concrete up to the bottom line of the section ordered by the Engineer for tunnel excavation and concrete. All such concrete or other packing, being outside of the net section line for excavation as ordered by the Engineer, shall be at the sole expense of the Contractor.

Grout.

Section No. 102. After the tunnel lining and packing is in place, if required by the Engineer a grout, consisting of one (1) part fine, clean and sharp sand and one (1) part Portland cement, shall be pumped in under pressure, from time to time behind the masonry, so as to completely fill all the voids. Where tunnels are made by the use of a shield, similar grout shall be pumped in to completely fill the space left by the tail piece of the shield as soon as the shield is moved forward.

Payment for Grout.

Section No. 103. Where grout is ordered and used, it shall be paid for at the price herein provided, Schedule Item 11.

Lines for Excavation.

Section No. 104. The tunnel, at any place, is to be excavated to the line of the cross-section ordered by the Engineer for that place.

No Payment for Excavation Beyond Ordered Lines.

Section No. 105. All loose or shaky rock, whose fall or settlement might, in the judgment of the Engineer, produce an unequal or concentrated pressure on the masonry, shall be removed, and the space refilled with such class of masonry as the Engineer may require and as provided in Section No. 101, but no payment will be made for any excavation outside of the cross-section of the tunnel excavation ordered by the Engineer as provided in Section No. 104.

Blasting.

Section No. 106. Drilling and blasting must be conducted with all possible care and in such a manner as not to shatter the roof and sides outside of the section lines, as ordered by the Engineer, nor endanger adjoining property.

Drains.

Section No. 107. All seams carrying water shall be carefully drained, as specified under the clauses relating to drainage.

Precautions Against Settlement.

Section No. 108. The Contractor must take every precaution, and such precautions as the Engineer may direct, by suitable shields, timbering, lagging or other supports, to prevent any settlement or movement of surrounding ground. Such timber as cannot be drawn without endangering the work or the ground above, shall be left in place and thoroughly surrounded by masonry and grouted.

Timbering.

Section No. 109. Timbering shall be used wherever necessary to support the materials or to secure the safety of the work or workmen. It will be at the sole expense of the Contractor and included in the contract price for tunnel excavation, Schedule Item 5. Wherever practicable it shall be removed before the concrete lining or concrete or other packing is placed.

Compressed Air.

Section No. 110. If for the work under the Harlem River and for the approaches thereto or elsewhere on the work a method is adopted requiring the use of compressed air, a plant must be provided of sufficient capacity to insure at all times and under all conditions an ample supply of air to prosecute the work with safety and dispatch, and proper air locks shall be built with safety locks in addition, to provide for the escape of workmen at time of accident.

Methods to be Approved.

Section No. 111. All methods of tunneling shall be subject to the approval of the Engineer, and be changed from time to time if, in his judgment, the local conditions so require, and during construction approved methods of ventilation and lighting shall be used.

Tunneling, Payment For.

Section No. 112. The price per cubic yard, stipulated herein, Schedule Item 5, for Tunnel Excavation, is to cover all expense due to the presence of quicksand or other soft material, rotten rock, boulders, etc.; the cost of all pumping and bailing; of all timbering, and removal of same; of removing all excavated material; of all ventilation and lighting; and of all other work incident to the excavation of the tunnel. Any expense that may arise from loose or shaky rock or from falls or cave-ins, or from any unexpected obstacles, shall be borne by the Contractor. In earth sections the tunnel excavation must be large enough to permit building the masonry to the full required thickness, clear of such timbering and lagging as it may be necessary to build in. As a fair provision for such contingencies, it is assumed that the excavation will extend an average distance of one (1) foot outside the net line in the roof and sides and six (6) inches below the net line in the floor, and measurements for payment in tunnel excavation in earth will be made to those lines. It is distinctly understood, however, that no such allowances or any other allowance in tunnel excavation will be made in connection with timbering in tunnel excavation in rock.

Chambers, Drains, etc.

Section No. 113. Excavations for chambers, for skewbacks of arches, for sump holes, drains or for any other purpose in the tunnel, are to be measured according to the lines of the cross-sections determined by the Engineer, and paid for by the cubic yard as tunnel excavation.

Additional Enlargement.

Section No. 114. If after the excavation has been made of a certain size by direction of the Engineer, he is of opinion that the nature of the rock or other material is such that the form and dimensions of the masonry for which said excavation was intended must be increased, he may order an enlargement of the excavation for the purpose of building masonry of greater thickness, and the Contractor is to make such enlargement, which is to be measured according to the lines given by the Engineer, and paid for at the price per cubic yard stipulated in the Schedule for tunnel excavation.

7

Backfilling.

Quality of Material—How Placed.

Section No. 115. The trenches at the sides of and over the top of the subway and wherever backfilling is necessary, shall be backfilled with sand, gravel or other good clean earth, free from perishable material and from stones exceeding six (6) inches in diameter, and not containing in any place a proportion of stone of or below that size exceeding one (1) part of stone to five (5) parts of earth. The filling shall be compacted by flooding with water or, in cases where flooding with water is not practicable it shall be compacted by ramming in layers, not exceeding six inches in depth.

Sub-surface Structures. Frozen Material Not Permitted.

Section No. 116. Whenever pipes, sewers, or other sub-surface structures are met with, the filling must be carefully packed, rammed and tamped under such sub-surface structures, using special tools for the purpose. No filling of trenches with frozen earth will in any case be permitted, nor will any filling be permitted over frozen material.

Sheeting Removed.

Section No. 117. As fast as the work of filling permits, sheeting and other timber supporting the sides of the excavation shall be carefully withdrawn, or shall be left in place, as may be directed by the Engineer, and the spaces left by the removal of such material carefully back-filled.

How Paid for Piles.

Section No. 118. The cost of back-filling is to be included in the prices paid for earth and rock excavation, Schedule Items 1, 2, 2-A, 3 and 3-A.

8.

Piling and Timbering.

Character of Piles.

Section No. 119. If in the judgment of the Engineer the ground is of such a character as to require piling, the Contractor shall drive such piles as the Engineer directs. The piles shall be of good, sound pine or spruce, straight and free from shakes; they shall be not less than twelve (12) inches in diameter at the butt end, or less than six (6) inches in diameter at the point, and shall be driven to the satisfaction of the Engineer and by means of a steam hammer driver if so required by him. If necessary the points of the piles shall be protected by proper shoes, and the butts by rings or caps. Piles shall not be spliced unless permitted by the Engineer, and then in such manner as he directs. Piles shall be carefully cut off to the grade given by the Engineer.

Piles Driven in Required Location.

Section No. 120. Piles shall be driven in the position and manner and to the depth ordered; if driven in a wrong position or injured in any way by driving they must be withdrawn and replaced by others. After being driven they shall be cut off to a true plane for proper adjustment with capping timber or masonry.

Payment for Timber Piles.

Section No. 121. The price herein stipulated to be paid, per lineal foot of timber piles, Schedule Item 12, is to cover the cost of furnishing, driving and preparing the piles ready for the capping timbers or masonry, and the portion cut off and removed will not be included in the length measured for payment. No test piles, guide piles, or piles other than those that are a part of the finished foundation and are included within the net width of the finished foundation will be paid for.

Concrete Piles.

Section No. 122. If in the judgment of the Engineer special conditions so require, piles of re-inforced concrete of an approved form of construction shall be used.

Payment for Piles Other Than Timber Piles.

Section No. 123. Payment for piles other than timber piles will be as provided in Article XII. of the contract.

Grillage.

Section No. 124. Timber grillage foundations shall be built if so directed by the Engineer.

Foundation Timber.

Section No. 125. All foundation timber shall be of pine or spruce, or other timber permitted by the Engineer, sound and free from shakes. It shall be of such dimensions, and laid in such manner, as the special plans to be issued shall require, and held in place by spikes or good seasoned oak or locust treenails.

Foundation Timber, Measurement and Payment.

Section No. 126. No wastage is to be allowed for, and the estimate of the quantities of foundation timber used will be based on the amount ordered by the Engineer and placed according to his directions. Payment for foundation timber will be as provided in Schedule Item 13.

9.

Cement.

Portland Cement.

Section No. 127. All cement used in the work shall be true Portland cement, by which is meant the finely pulverized product, resulting from the calcination to incipient fusion of a properly proportioned intimate mixture of argillaceous and calcareous earths or rocks, to which no addition greater than three (3) per cent. has been made subsequent to calcination.

Brand to be Approved.

Section No. 128. Before any cement is furnished, the brand shall receive the approval of the Engineer. Cement, to be acceptable, shall be of a well-known brand which has been in successful use for large engineering works in America for at least five (5) years, and which has an established reputation for uniform character. Preference will be given to cements which, by their records, show a tendency to maintain high strength of mortar with increased age.

Inspection.

Section No. 129. Cement shall be subject to inspection at the place of manufacture or on the work, and to such tests as may be ordered by the Engineer. The Engineer or his representatives shall have access at all times and places to inspect the methods of manufacture, storage and protection, and shall have liberty to inspect the daily laboratory records of tests and analyses at the cement works.

Tests.

Section No. 130. In general, tests will conform to the methods recommended by the Committee on Uniform Tests of Cement of the American Society of Civil Engineers. Unless otherwise directed, samples will be taken at the place of manufacture by a representative of the Engineer, and sent to the Commission's laboratory, where the tests will be made. If required, tests will be made on the individual samples, without intermixing.

Specific Gravity and Color.

Section No. 131. The cement shall have a specific gravity of not less than 3.10 nor more than 3.25 after being thoroughly dried at a temperature of 212 degrees Fahr. The color shall be uniform, bluish gray, free from yellow or brown particles.

Chemical Analysis.

Section No. 132. Chemical analyses of cement made from time to time shall show a reasonably uniform composition. Cement shall not contain more than 1.75 per cent. of sulphuric anhydride (SO^3) nor more than 4 per cent. of magnesia (MgO).

Fineness.

Section No. 133. The fineness of the cement shall be such that it shall leave by weight a residue of not more than eight (8) per cent. on a No. 100, and not more than twenty-five (25) per cent. on a No. 200 sieve; the wires of the sieve being respectively 0.0045 and 0.0024 inch in diameter.

Time of Setting.

Section No. 134. It shall not develop initial set in less than thirty (30) minutes unless a more quickly-setting cement is specifically required, and shall develop hard set in not less than one (1) hour nor more than ten (10) hours.

Soundness.

Section No. 135. Pats of neat cement, after remaining one (1) day in moist air, shall be kept in air or water of normal temperature for at least twenty-eight (28) days, or shall be exposed to an atmosphere of steam, above boiling water, in a loosely closed vessel for at least five (5) hours; and the separate parts under any of these conditions, shall remain hard without any indications of checking, cracking, distortion, disintegration or blotching.

Tensile Strength.

Section No. 136. Neat cement briquettes shall have at the end of one (1) day in moist air a breaking strength, per square inch of section area, of not less than one hundred and fifty (150) lbs.; at the end of seven (7) days—one (1) day in air, six (6) days in water—of not less than five hundred (500) lbs.; and at the end of twenty-eight (28) days—one (1) day in air, twenty-seven (27) days in water—of not less than six hundred (600) lbs. The strength at twenty-eight (28) days shall not be less than that at seven (7) days.

Mortar Briquettes.

Mortar briquettes, composed of one (1) part of cement and three (3) parts of standard Ottawa sand, by weight, shall have at the end of seven (7) days—one (1) day in air, six (6) days in water—a breaking strength, per square inch of sectional area, of not less than two hundred (200) lbs.; and at the end of twenty-eight (28) days—one (1) day in air, twenty-seven (27) days in water—of not less than three hundred (300) lbs. The strength at twenty-eight (28) days shall show an increase of not less than fifty (50) lbs. over the strength at seven (7) days.

Long-time Tests.

Section No. 137. Tests will be made from time to time extending over longer periods than twenty-eight (28) days. If such tests show a tendency to unsoundness or unusual reduction in strength with increased age, the Engineer shall have the right to prohibit the further use of that brand and to require that another brand be substituted.

Storage During Tests.

Section No. 138. All cement shall be held in storage to allow ample time for tests to be made before the cement is required for use in the work.

How Contained.

Section No. 139. Cement shall be packed and delivered in canvas sacks or other strong, well-made packages, plainly marked with the manufacturer's brand, and sealed in an approved manner. The weights of such packages shall be uniform.

Methods of Storing.

Section No. 140. The Contractor shall at all times keep in store on the work, or at some point convenient thereto, an abundant supply of cement, so as to guard against possible shortage. It shall be stored in a weather-tight building, with a tight floor a proper distance above the ground, and with sufficient floor space to admit of storing each lot of cement, of not more than two hundred (200) barrels, or its equivalent, separately, so as to facilitate identification of each individual lot in case of necessity for further tests or rejection. Cement that has become partially set or otherwise damaged shall not be used.

10.

Mortar.

Cement and Sand—Mixing.

Section No. 141. All mortar shall be prepared from accepted cement and clean, sharp sand, approved by the Engineer. These ingredients shall be thoroughly mixed dry in the proportion as specified below; water shall then be added, so as to produce a stiff paste. Water used in mortar, grout or concrete must be clean, fresh water, no salt water being permitted. The mortar shall be freshly mixed for the work on hand, in proper boxes made for that purpose, and no mortar shall be used that has stood beyond such limit of time as may be determined by the Engineer.

How Measured.

Section No. 142. For purposes of mixture, three hundred and seventy-five (375) pounds of Portland cement shall be estimated at three and one-half (3½) cubic feet of volume. The proportional parts of sand and stone or gravel shall be by volume as cast into the measuring box. The proportions for brick and stone masonry shall be one (1) part cement to two (2) parts sand; for pointing, one (1) part cement and one (1) part sand; for concrete masonry, as specified under the head of concrete; and for other classes of work, as directed by the Engineer; for grout, one (1) part of cement to one (1) part of fine sand.

11.

Masonry.

Laid in Portland Cement.

Section No. 143. All masonry, except as otherwise specified, shall be laid in Portland cement mortar, and shall be built of the forms and dimensions shown on the plans, or as directed by the Engineer from time to time; and the system of joining or bonding ordered by the Engineer shall be strictly followed:

Water Not to Interfere With.

Section No. 144. Care must be taken that no water shall interfere with the proper laying of masonry in any of its parts.

Freezing Weather.

Section No. 145. During freezing weather such masonry only shall be built whose construction, in the judgment of the Engineer, can not be postponed, except at the cost of delaying the work. The Contractor shall provide such appliances as are necessary for heating the water and the materials used in the masonry according to the specific instructions of the Engineer.

Protected in Freezing Weather.

Section No. 146. During freezing weather all masonry shall be protected by a suitable covering of salt hay, canvas, tarpaulin or by such material or in such ways as may be necessary to insure it against freezing.

Hot Weather.

Section No. 147. During hot weather all masonry, especially concrete, shall be kept wet by sprinkling and properly covered until it has become thoroughly set and hardened.

Pointing.

Section No. 148. Unless otherwise permitted, every joint that is to be pointed shall be raked out, within two days after being laid, to a depth of at least two inches.

Section No. 149. Pointing of the face joints of masonry shall be thoroughly made with cement mortar mixed in the proportion of one (1) part of cement to one (1) part of sand, except where otherwise specially provided.

Section No. 150. No pointing shall be done in freezing weather, and masonry laid between December 1st and April 1st shall not be pointed until permitted by the Engineer.

Defective Masonry.

Section No. 151. Any masonry which is found to be defective from any cause whatsoever, before the final completion and acceptance of the work, must be removed and properly rebuilt, or if damaged during such time must be properly repaired.

Stone Cleaned.

Section No. 152. All stone before being laid shall be thoroughly cleaned, and washed if so directed by the Engineer.

12.

Concrete.

How Composed.

Section No. 153. The concrete shall be composed of gravel or broken stone, or a mixture of both, free from all dust and dirt, and mixed together with the proportion of mortar specified below.

Sand.

Section No. 154. Sand for concrete shall be of the kind herein specified for mortar.

Stone.

Section No. 155. Stone for concrete shall be sound, clean gravel, or sound, hard, broken limestone, or trap rock, or a mixture of such gravel and broken stone may be used.

Sizes of Stone.

Section No. 156. Broken stone or gravel for concrete shall be graded from fine to coarse, and that which is all of one size, or practically so, shall not be used. It shall be screened or washed so as to remove all dust, and it shall contain no pieces that will pass through a hole three-eighths (⅜) inch in diameter, and no pieces that will not pass through a hole one and one-half (1½) inches in diameter. Broken stone or gravel for concrete, graded as above, but between three-eighths (⅜) and three-fourths (¾) inch in diameter, may be required and used in special parts of the work.

Rubble Concrete.

Section No. 157. In concrete where the thickness is thirty (30) inches or more, if permitted by the Engineer, the Contractor may imbed in the same pieces of sound stone whose greatest diameter does not exceed twelve (12) inches and whose least diameter or thickness is not less than three-quarters (¾) of the greatest diameter. These stones shall be set by hand in the concrete as the layers are being rammed, and so placed that each stone is completely and perfectly imbedded. No two (2) stones shall be within six (6) inches of each other and no stones within four (4) inches of an exposed face, nor shall any such stone be placed nearer than six (6) inches to any metal built in the concrete for reinforcing the same.

Proportions.

Section No. 158. The proportions of cement, sand and stone (or gravel) used in making concrete shall be as follows:

Section No. 159. Concrete in floor, sidewalls and roof one (1) part of cement, two (2) parts of sand and four (4) parts of stone. Concrete for tube tunnels under the Harlem River will be as indicated on the plans.

Section No. 160. Protective concrete outside of waterproofing lines on side and roof, one (1) part of cement, four (4) parts of sand and eight (8) parts of stone.

Mixing by Machine.

Section No. 161. Whenever practicable, concrete shall be machine mixed. A rotary machine of a pattern approved by the Engineer, and mixing only one batch at a time, shall be used.

Mixing by Hand.

Section No. 162. When concrete is mixed by hand the stone or gravel shall be spread on a platform in a bed about six (6) inches thick, and shall be thoroughly wet. Sand shall be spread on a platform and the requisite portion of cement spread on the sand. After thoroughly mixing the latter, the dry mixture thus formed shall be spread evenly over the bed of stone wet as above, and the whole turned over until thoroughly mixed, but not less than two (2) turnings on the mixing board shall be allowed in any case, water being added as necessary. Care shall be taken to keep the bed of concrete wet and avoid piling.

How Laid.

Section No. 163. Concrete shall be placed immediately after mixing in layers of such thickness as may be directed by the Engineer, and shall be thoroughly compacted throughout the mass by ramming or spading, special tamping bars or tools being used as approved by the Engineer. The amount of water used in making the concrete shall be as approved by the Engineer. If a small amount of water has been used in mixing, ramming shall be continued until the water flushes to the surface; as a rule, however, concrete shall be placed wet.

Made Smooth to Receive Waterproofing.

Section No. 164. Concrete to which waterproofing is to be applied shall be made smooth at the time of laying and shall be carefully protected from injury by barricades or otherwise, if necessary until thoroughly set.

Time for Hardening.

Section No. 165. Concrete shall be allowed to set for twelve (12) hours, or more, if so directed, before any work shall be laid upon it; and no walking over or working upon it shall be allowed while it is setting. Concrete shall not be flooded with water before being thoroughly set.

Rock Surface to be Cleaned.

Section No. 166. Before laying concrete on rock surfaces the latter shall be swept clean of all debris and dirt, and when laid on earth the earth shall be rammed as directed before placing the concrete.

Surface Rough for Bonding.

Section No. 167. Wherever a section of concrete is necessarily left unfinished, leaving a surface which will be hard set before additional concrete can be laid, the surface shall be left rough to form a bond with the new work; and if deemed necessary by the Engineer, the joints shall be reinforced with steel bars or dowels, to be furnished by the Contractor.

Joints Cleaned.

Section No. 168. In all cases of joints of old with new work the old surfaces shall be thoroughly cleaned and wet, and a coating of mortar or cement shall be applied, if required, before placing the concrete.

Forms.

Section No. 169. Suitable forms shall be provided by the Contractor to support the concrete while being placed in the walls or roofs. These forms shall be immediately replaced by new ones as soon as they commence to lose their proper shape. Before being used they shall be carefully cleaned of cement and dirt in order to provide a perfectly smooth face to the exposed surface of the concrete. The forms shall be made of wood, kept carefully planed; or made of metal sufficiently thick to retain their shape without the use of wood.

Section No. 170. No forms made of wood, and covered with iron, will be permitted.

Section No. 171. The forms if made of wood, shall be made of boards with tight joints, tongued and grooved if required by the Engineer.

Precautions in Placing.

Section No. 172. Every precaution shall be taken in placing or assembling the forms to do so in such a manner that when removed, after the concrete has been placed, the faces of the concrete that are to remain exposed shall present a smooth and even surface.

Forms, How Set—Forms Removed—Surface Irregularities Corrected—Defective Work Replaced.

Section No. 173. The forms shall be set true to line, firmly secured, and be so tight as not to allow water in the mortar to escape; they shall be thoroughly wet before placing the concrete and shall be removed as soon after the concrete has been placed as in the judgment of the Engineer may be done with safety to the work. Immediately on the removal thereof the faces that will remain exposed shall be carefully examined and any irregularities of the surface corrected; projections shall be removed and voids filled with mortar. If, however, the voids are such as to indicate an excessive loss of mortar, portions of the concrete shall be cut out to the fullness of such defects and the space refilled with a rich concrete or mortar in such proportions and in such manner as the Engineer may direct.

Reinforcement Steel.

Section No. 174. Where reinforcement steel or wire mesh is used, efficient means shall be provided to maintain it in the exact position it is to occupy in the completed work, and to prevent it from becoming dislodged, or moved in any manner, when concrete is placed.

Surfaces Not To Be Painted.

Section No. 175. The exposed faces of the concrete, excepting within station limits, shall be left with the natural cement finish; therefore, immediately following the removal of the forms, followed by the removal of the projections and the filling of voids as provided above, these entire surfaces shall be rubbed down in such a manner, approved by the Engineer, as will leave a smooth and even surface, the object in view being to obtain a generally smooth finished surface with uniformity in color.

Impervious to Water.

Section No. 176. It is intended to obtain concrete impervious to water; the concrete shall be mixed and deposited with this end in view, and on the roof of the Railroad, if waterproofing is not used, the top surface of the concrete shall be carefully troweled as may be directed in order to add to its imperviousness.

Concrete, How Measured and Paid For.

Section No. 177. Concrete masonry shall be measured in place in the work to the prescribed net lines ordered by the Engineer and shall be paid for at the prices in Schedule Items 6 and 7; which prices are to include the cost of all scaffolding, centres, forms, etc., and removing the same, and all work incidental thereto.

Backing or Filling Concrete, Not Paid For.

Section No. 178. No concrete backing or filling outside of the ordered net lines of excavation will be paid for.

(For Concrete in Sewers, see Sewers.)

13

Brick Masonry.

Quality.

Section No. 179. Bricks for masonry shall be of the best quality common bricks, burned hard entirely through, regular and uniform in shape and size and of compact texture.

Hollow Terra Cotta Blocks.

Section No. 180. Hollow terra cotta blocks or bricks may be required in station work, on the outside of walls of the structure or at such other places as the Engineer may direct. They shall be of the best porous terra cotta as approved by the Engineer, and shall be laid in such manner as hereinafter specified or as the Engineer may direct.

How Laid.

Section No. 181. All brick masonry shall be laid in mortar of the quality above described, except that in exposed locations coloring matter may be added, if required by the Engineer. The bricks shall be laid to line with joints in the face work (except in stations) not exceeding one-quarter (¼) of an inch in the beds, and three-eighths (⅜) of an inch on ends; the bricks to be thoroughly wet before laying and to be completely embedded in mortar under the bottom and on the sides and ends at one operation, care being taken to have every joint full of mortar.

All exterior surfaces shall be smooth and regular.

Cleaned.

Section No. 182. The inside faces of all arches and other exposed parts shall have all the mortar scraped off and washed clean immediately after the centers have been struck, and shall be pointed and left in neat condition.

No "Bats" or Culls.

Section No. 183. All bricks of whatever nature shall be carefully culled and if necessary gauged before laying, at the expense of the Contractor. No "bats" shall be used except in large masses of brickwork, where a moderate proportion, to be determined by the Engineer, may be used, but nothing smaller than half bricks.

Racked or Toothed.

Section No. 184. All unfinished work shall be racked back or toothed, as directed by the Engineer, and before new work is joined to it the faces of the brick in the old work must be scraped entirely clean, scrubbed with a stiff brush and be well moistened.

Special Bricks.

Section No. 185. Where necessary to make a neat joint in connection with steel framework, or at corners, curves or other similar places, special bricks of proper shape shall be furnished and used. All centers and forms shall be made to fit the curves of the work; they shall be put up and removed in a manner satisfactory to the Engineer.

Measurements and Payments.

Section No. 186. Brick masonry shall be measured to the lines indicated and shown on the plans and as ordered by the Engineer and shall be paid for as herein stipulated in Schedule Item 9, for common brick masonry and Item 10 for hollow terra cotta brick or tile masonry; these prices are to include the cost of all scaffolding, forms, centers, etc., and the removal of the same, of all plastering and pointing, and of all other work incidental thereto.

14

Stone Masonry.

Rubble Stone Masonry, Where Used.

Section No. 187. Rubble stone masonry will be used for supporting the street railroads over the roof of the Railroad where permanent supports are required, or at such other places as the Engineer may require.

How Laid.

Section No. 188. Rubble stone masonry shall be made of sound, clean stone of suitable size, quality and shape for the work in hand and shall be laid in mortar mixed in the proportion of one (1) part of cement to three (3) parts of sand. All beds and joints shall be well filled with mortar and the work must be thoroughly bonded.

Measurements and Payments.

Section No. 189. Rubble stone masonry shall be measured in place in the work and to the lines ordered by the Engineer, and it shall be paid for as herein stipulated under Schedule Item 8.

Other Masonry.

Section No. 190. In case, during the progress of the work, stone masonry of a different class than that specified above shall become necessary and shall be required by the Engineer, the same shall be constructed according to specifications applicable to the best work of such class, and it shall be paid for as provided in Article XII of the contract.

15

Waterproofing.

General Limits of Waterproofing.

Section No. 191. In general, waterproofing of the structure will be limited to the roof and sidewalks at the stations and over the roof between stations, and to those surfaces near ground water or mean high water if ground water level is found for any reason to be below mean high water. At other places free drainage shall be provided by pipe drains, hollow tile or broken stone.

Protecting Masonry.

Section No. 192. The protecting masonry shall be hollow terra cotta blocks, common bricks or concrete, laid and paid for as herein elsewhere provided, and shall not be less than four inches in thickness.

Laid Against Sheeting.

Section No. 193. In places where permanent sheeting is placed at the waterproofing line, the waterproofing, if permitted by the Engineer, may be applied against the sheeting.

Surfaces To Be Made Smooth.

Section No. 194. All surfaces to which waterproofing is to be applied shall be made as smooth as possible; on these surfaces there shall be spread either hot melted pitch or asphaltum in a thick layer of uniform thickness; on this layer of pitch or asphaltum shall be laid a treated woven fabric of such material as may be approved by the Engineer; this process shall be repeated until such number of layers as may be required by the Engineer have been placed and a final coat of pitch or asphaltum shall then be applied.

Definition of Term "Ply."

Section No. 195. The term "ply" as used in these specifications shall mean a layer of treated woven fabric, both sides of which shall be coated with pitch or asphaltum at the time of laying.

Number of "Ply."

Section No. 196. The number of plies of waterproofing on the sides at stations and over the roof between stations shall in no case be less than three (3), except as hereinafter provided where brick laid in asphalt mastic is used.

Brick in Asphalt Mastic.

Section No. 197. Over the roof of the structure within station limits and over the tracks passing through the stations within said limits, also on the sides and bottom of the structure below a line of two (2) feet above ground water, or, if ground water is below mean high water level, then two (2) feet above mean high water, one (1) ply of waterproofing, as described above, shall be used with one or more layers of brick laid in asphalt mastic; the number of layers of bricks to be determined by the Engineer.

In any case where brick laid in asphalt mastic is not used, the number of plies shall be as local conditions require and as directed by the Engineer.

Quality of Brick.

Section No. 198. The quality of brick shall be the same as provided in the specifications under the head of Brick Masonry. The brick shall be properly dried and shall be heated before laying.

Measurements and Payments.

Section No. 199. Brick in asphalt mastic will be measured in place to the lines ordered by the Engineer, and will be paid for at the price herein stipulated, Schedule Item 16.

Section No. 200. Six (6) plies of waterproofing may be substituted for brick in asphalt mastic, if approved by the Engineer, and will be paid for as provided for fabric waterproofing.

Asphalt Mastic.

Section No. 201. Asphalt mastic shall contain one-third (1/3) pure bitumen, the other ingredients to be sand and lime dust or cement, in proportions governed by local requirements and weather conditions.

Leaks Stopped.

Section No. 202. Any masonry that is found to leak at any time prior to the completion of the work and final acceptance thereof by the Commission shall be cut out and the leak stopped, at the sole expense of the Contractor.

Quality of Pitch.

Section No. 203. Pitch shall consist of either coal-tar or natural asphalt as the Engineer shall elect; it must be delivered on the work in packages that are plainly marked with the manufacturer's brand, and indicating the grade and quality of the material.

Coal-Tar Pitch.

Section No. 204. The coal-tar pitch shall be straight-run pitch containing not less than twenty-five (25%) per centum and not more than thirty-two (32%) per centum of free carbon, which will soften at approximately 70° F., and melt at 100° F., being a grade in which distillate oils distilled therefrom shall have a specific gravity of 1.05.

Quality of Asphalt.

Section No. 205. The asphalt used shall be the best grade of Bermudez lake or other natural asphalt, subject to the approval of the Engineer, and shall comply with the following requirements:

The asphalt shall contain in its refined state not less than ninety-five (95) per cent. of natural bitumen soluble in rectified carbon bisulphide or in chloroform. The remaining ingredients shall be such as not to exert an injurious effect on the work. Not less than two-thirds (2-3) of the total bitumen shall be soluble in petroleum naphtha of seventy (70) degrees Baume or in acetone. The asphalt shall not lose more than four (4) per cent. of its weight when maintained for ten (10) hours at a temperature of three hundred (300) degrees Fahrenheit.

Woven Fabric for Waterproofing.

Section No. 206. The fabric to be used shall be a woven fabric which shall have been treated with pitch or asphaltum before being brought on the work. The fabric and the material used in its treatment shall be approved by the Engineer.

Concrete to be Dry.

Section No. 207. All concrete shall be dry before waterproofing is attached. If, in the judgment of the Engineer, it is impracticable to have the concrete dry, then there shall be first laid a layer of the treated fabric, on the upper surface of which is to be spread the first layer of pitch or asphaltum; the said layer of fabric shall then be counted as one of the required plies.

Each layer of pitch or asphaltum fluxed as directed by the Engineer must completely and entirely cover the surface on which it is spread without cracks or blow holes.

Fabric for Waterproofing to be Carefully Laid.

Section No. 208. The fabric must be rolled out into the pitch or asphaltum while the latter is still hot, and pressed against it so as to insure its being completely stuck over its entire surface, great care being taken that all joints are well broken by overlapping, and that the ends of the rolls of the bottom layers are carried up on the inside of the layers on the sides, and those of the roof down on the outside of the layers on the sides so as to secure a full lap of at least one (1) foot. Especial care must be taken with this detail.

Section No. 209. When the finishing layer of concrete is laid over or next to the waterproofing material, care must be taken not to break, tear or injure in any way the outer surface of the pitch or asphaltum.

Skilled Labor To Be Employed.

Section No. 210. None but competent men, especially skilled in work of this kind, shall be employed to lay the waterproofing.

Measurements and Payments.

Section No. 211. Measurements will be made on the basis of actual area covered by the number of plies ordered, no account being taken of laps, and the waterproofing will be paid for as herein stipulated, Schedule Item 15.

16.

Steel and Iron.

Open Hearth Process.

Section No. 212. Steel shall be made in an open hearth furnace.

Chemical and Physical Properties.

Section No. 213. The chemical and physical properties of finished material shall conform to the following limits:

Properties.	Structural Steel.	Carbon Rivet Steel.	Steel Castings.
Phos. (Max.)	.04%	.04%	.05%
Sulph. "	.05%	.04%	.05%
Mn. "	.60%	.60%	.80%
Si. "	.10%	.10%	35%
Ult. Str.	60000±4000	50000±4000	65000± (Min.)
Yield Point	55% Ult. 1500000	55% Ult. 1500000	35000± (Min.)
Elongation	Ult. Str.	Ult.Str.	20% in 2"
Fracture	Silky.	Silky.	Fine granular
Cold Bend	180° flat.	180° flat.	120° (d.=3+.)

Yield Point.

Section No. 214. The yield point shall be that strain, beyond which the elongation ceases to be proportional to the weight imposed, and may be indicated by drop of beam. The speed of testing shall be governed by the inspector.

Finish.

Section No. 215. Sufficient discard shall be made to insure sound material free from piping or excessive segregation. The material shall be finished straight and smooth, and shall be free from all seams or other defects. Any imperfection which may develop during the progress of the work will be sufficient cause for rejection.

Steel Castings.

Section No. 216. Steel castings shall be true to pattern and free from injurious imperfections.

Standard Test Pieces.

Section No. 217. The tensile strength, yield point and ductility of the material shall be determined from a standard test piece of not more than two (2) inches in width, and about one-half (½) square inch in sectional area, cut from a full sized bar, with sides turned or planed parallel so as to give a uniform minimum section for at least nine (9) inches. Whenever practicable the two sides of the test piece shall be left as they come from the rolls, but the finish on opposite sides shall be alike in this respect.

Specimens for Bending.

Section No. 218. Specimens for bending shall be cut from the material as rolled.

Rivet Rods.

Section No. 219. Rivet rods shall be tested as rolled.

Steel Castings.

Section No. 220. For steel castings the test piece shall be turned to a uniform minimum section of one-half (½) inch diameter, for a length of at least two and one-half (2½) inches. Specimens for bending shall be one (1) inch by one-half (½) inch in section.

Ductility Elongation.

Section No. 221. In determining the ductility, the elongation shall be measured after breaking on an original length as specified, in which length shall occur the curve of reduction each side of the point of fracture.

Where Taken From.

Section No. 222. For rollers the specimens shall be cut from the finished bar so that the centre of the specimen shall be one inch from the outside of the bar.

Section No. 223. For steel castings the specimens shall be cut from coupons cast on some portion of a casting from each melt, and shall be annealed with the casting before it is cut off.

Treatment of Test Specimens.

Section No. 224. The material from which test specimens are cut shall receive the same treatment as the material which it represents in the finished structure.

Number of Tests.

Section No. 225. At least one tensile and one bending test shall be made from each melt of steel as rolled. In case steel differing three-eighths (⅜) inch or more in thickness is rolled from one melt, a test shall be made from the thickest and from the thinnest material rolled.

Variation in Weight.

Section No. 226. A variation in weight of any piece of steel of two and one-half per centum (2½ per cent.) from that specified, shall be sufficient cause for rejection, except in case of sheared plates exceeding one hundred (100) inches in width, where the variation may be five (5) per centum.

Material Marked.

Section No. 227. Each finished piece of steel shall be marked with the melt number, excepting that bars for reinforcing concrete shall be bundled and the melt number stamped on a metal tag attached to each bundle.

Wrought Iron.

Double Rolled.

Section No. 228. All wrought iron shall be double rolled, and no scrap used in its manufacture. It shall be thoroughly welded in rolling, shall be tough, ductile, and fibrous, and shall be finished straight and smooth. It shall be uniform in quality and free from surface defects.

Method of Testing.

Section No. 229. The methods specified for testing rolled steel shall apply generally to wrought iron. It shall show by the standard test piece an ultimate strength of fifty thousand (50,000) lbs. per square inch, and a yield point of twenty-six thousand (26,000) lbs. per square inch. It shall bend one hundred and thirty-five degrees (135°) with inner radius not to exceed twice the thickness of the piece tested. When nicked and bent the fracture shall show at least ninety (90) per centum fibrous.

Cast Iron.

True to Pattern; Tests.

Section No. 230. All castings shall be true to pattern, out of wind and free from injurious imperfections. They shall be of a good quality of tough gray iron made by the cupola process. Sample test pieces, cylindrical in shape, one and one-quarter (1¼) inches in diameter, and fifteen (15) inches long, cast under the same circumstances as those which attended the casting of the full-sized piece, shall sustain at the centre, when resting upon two dull knife edges twelve (12) inches apart, a load of three thousand (3,000) lbs. with a deflection of at least one-tenth (1-10) of an inch before rupture.

Workmanship.

Quality.

Section No. 231. All workmanship shall be first class. All parts exposed to view shall be neatly finished. All nuts on the finished structure shall be hexagonal.

Rods, Deformed Sections.

Section No. 232. Rods and bars to be used for reinforcing concrete shall be deformed as approved by the Engineer; plain bars will not be used.

Bent Rods and Bars.

Section No. 233. Bent rods and bars and other bent material shall be bent hot and annealed, except that obtuse bends in material less than one square inch section may be made cold when permitted by the Engineer. The bending shall be done before the material is delivered on the work. Except in special cases, all bends shall be made uniformly to template.

Material Straightened in Shop.

Section No. 234. All material shall be straightened in the shop before being worked in any way.

Holes Accurately Spaced.

Section No. 235. All holes shall be accurately spaced and punched. Unfair holes shall be reamed to exact match; drifting to enlarge the holes will not be allowed. Poor matching of holes will be cause for rejection.

Size of Punch.

Section No. 236. In punching, the diameter of the punch shall not exceed by more than one-sixteenth (1-16) of an inch, the diameter of the rivet to be used, and the diameter of the die shall be as small as may be required to punch a clean hole. When the material is to be sub-punched and reamed, a punch of diameter three-sixteenths (3-16) of an inch smaller than specified above shall be used, and all reaming shall be done after the material is assembled, with twist drills of one-sixteenth (1-16) of an inch greater diameter than the rivet to be used.

Sub-punching and Drilling.

Section No. 237. All materials over seven-eighths (7/8) of an inch thick shall be drilled from the solid. Material over five-eighths (5/8) of an inch and not exceeding seven-eighths (7/8) of an inch in thickness shall be sub-punched and reamed. All other material may be direct punched.

Sheared Edges.

Section No. 238. Sheared edges of material exceeding fiveeights (5/8) of an inch in thickness, to be used in main members shall be planed at least one-eighth (1/8) of an inch.

Burrs Removed.

Section No. 239. All burrs shall be removed, and the members shall have all parts firmly drawn together with bolts before reaming or riveting is commenced.

Riveting.

Section No. 240. Rivets when driven shall completely fill the holes, and shall be machine driven wherever possible. They shall have full concentric heads or they shall be countersunk when so required. Rivet heads shall not be flattened to less than half the diameter of the rivet on the line of the shank unless countersunk.

Use of Bolts.

Section No. 241. Generally the use of bolts instead of rivets will not be permitted, but when used in special cases the holes shall be reamed parallel, and the bolts turned to a driving fit.

Templates.

Section No. 242. All holes for field rivets, excepting those in connections of lateral and sway bracing, shall be sub-punched and accurately drilled to an iron template, or reamed and match marked while the connecting parts are temporarily assembled in the shop. In case of splices of upper chords or other compression members, the abutting members shall be brought to a forcible contact.

Finished Members.

Section No. 243. Finished members shall be true and free from kinks, twists or open joints. Ends of floor beams and stringers shall be finished square and true.

Rods Upset.

Section No. 244. Rods and bars which are to receive a thread shall be properly upset. Where threads are cut on steel, they shall be properly filleted.

Annealing.

Section No. 245. Steel, except in minor details, which has been partially heated, shall be properly annealed. All steel castings shall be annealed.

Abutting Surfaces Faced.

Section No. 246. All abutting surfaces, except flanges of plate girders, shall be neatly planed or faced perpendicular to the direction of the strain, so as to insure even bearings.

Stiffeners.

Section No. 247. Stiffeners of plate girders shall fit neatly against the flange angles. Web splice plates and fillers under stiffeners shall be cut to fit within one-eighth (1/8) of an inch of flange angles.

Pins and Rollers.

Section No. 248. Pins and rollers shall be turned accurately to a gauge, and shall be of full size throughout. All pin-holes shall be bored truly and at right angles to the axes of the members to be connected, and shall fit the pins with a play not exceeding one thirty-second (1-32) of an inch.

Bed Plates Planed.

Section No. 249. Bed plates shall be planed. The bottom of the shoes shall be planed exactly parallel to the center line unless otherwise shown. The cutting of the planing tool shall be in the direction of expansion.

Details Boxed.

Section No. 250. Nuts, bolts, rivets and other details shall be boxed.

Weight Marked.

Section No. 251. The weight of every piece and box shall be plainly marked upon it.

Inspection.

Section No. 252. Free access and information shall be given by the Contractor for a thorough inspection of material and workmanship, with proper office facilities.

Mill Orders in Triplicate.

Section No. 253. The Engineer shall be furnished copies in triplicate of all mill orders, and no material shall be rolled nor work done before the Engineer has been notified so that he may arrange for the Inspector.

Contractor Responsible.

Section No. 254. The Inspector shall make detailed reports of his inspection to the Engineer and may notify the Contractor of any defects in the material or workmanship, but all acceptances made by him shall be considered temporary, and his inspection shall in no way relieve the Contractor of full responsibility for the character and accuracy of the work until its completion and final acceptance by the Engineer.

Errors in Plans.

Section No. 255. The Contractor shall be responsible for all errors which can be discovered by checking or examining the plans.

Chemical Analysis.

Section No. 256. Chemical determination of the percentage of carbon, phosphorous, sulphur, and manganese shall be made by the manufacturer from a test ingot, so taken, during the casting of each melt of steel, as to fairly represent the melt. Two copies of such analysis shall be furnished to the Engineer or his Inspector.

Check Analyses.

Section No. 257. Check analyses shall be made, at the discretion of the Engineer, of the finished material, on drillings from pieces selected by the Inspector from parts suspected of being most highly segregated. These analyses shall not show a variation above the ladle analysis of more than twenty-five (25) per centum for phosphorous, nor more than fifty (50) per centum for sulphur. The analyses shall be made by a chemist designated by the Engineer.

Contractor to Make Tests.

Section No. 258. The Contractor shall furnish, without extra charge, such standard test pieces as may be necessary to determine the uniform quality of the material and also the use of a reliable testing machine, with necessary labor for testing.

Inspector's Office.

Section No. 259. The Contractor shall furnish for the use of the Inspector a suitably equipped office at the mills and at the shops.

Loading and Shipping.

Section No. 260. All parts shall be carefully loaded and protected from injuries during transportation by such means as will be satisfactory to the Inspector. After delivery of materials at the work the Contractor will be required to store the same on skids at least twelve (12) inches above the ground to keep the same in good condition. Any piece showing injurious effects of rough handling at any stage until the final acceptance of the work may be rejected.

Payments for Steel and Cast-iron.

Section No. 261. The prices to be paid for steel and cast-iron are as herein provided in Schedule Items 19, 20, 21, 22, 23 and 24. These prices include the cost of the material delivered and erected in the work, with the exception of Item 23, the placing of which is provided for in Item 22. These prices are to include also the cost of all necessary cleaning and painting (where painting is required) and of all other incidental work. The quantity of metal to be paid for shall be the number of pounds actually placed in accordance with the drawings or orders.

Miscellaneous Castings.

Section No. 262. For other castings, not included in the above and not including castings for sewer work or pipes, payment will be made as provided in Schedule Item 25.

Wire Mesh.

Wire Mesh.

Section No. 263. Wire mesh, of a character and weight to be approved by the Engineer, is to be furnished and placed around the lower flanges of the roof girders, and at other places as may be required, in order to hold the concrete in place.

Wire Mesh, Payment for.

Section No. 264. Wire mesh, wherever used, will be paid for as stipulated in Schedule Item 26, which price is to include the material in place and all work necessary and incidental thereto.

17

Painting.

Section No. 265. All metal work, excepting as otherwise herein provided, shall be painted with three coats of paint, including the shop coat, of kind and quality approved by the Engineer. Lead or carbon paint will generally be required.

Shop Coat.

Section No. 266. All iron shall be scraped free from scale, and receive one coat of red lead paint as herein specified before leaving the shops. All surfaces which come in contact or are enclosed shall be painted before being assembled. All turned or faced surfaces shall receive a coat of white lead and tallow before leaving the shops.

Quality of Red Lead.

Section No. 267. The red lead shall be strictly pure, and shall contain at least 80 per cent. of "true lead" ($Pb^3 O^4$). The color shall be a clear, pure tint. The red lead shall be of the fineness that when washed with water through a No. 19 silk bolting cloth, not more than 1 per cent. shall be left on the screen.

Quality of Linseed Oil.

Section No. 268. The linseed oil must be absolutely pure, fully aged and ripened, well settled oil. It shall be perfectly clear on receipt, and after heating to 212 degrees Fahr. on a current of hydrogen, shall not show a deposit of foots nor a loss of over 0.4 per cent. for raw oil, nor over 0.2 per cent. for boiled oil. The specific gravity at 60 degrees Fahr. for raw oil shall be between 0.932 and 0.937, and for boiled oil between 0.936 and 0.940.

Original Packages.

Section No. 269. All material shall be delivered, inspected and sampled in original packages.

Proportions in Mixture.

Section No. 270. Red lead paint shall be mixed in the proportion of 500 lbs. of red lead to 5½ gallons of boiled linseed oil, and 11 gallons of raw linseed oil.

Damaged Shop Coat to be Renewed.

Section No. 271. Where the shop coat has become damaged before or after erection, through any cause whatever, it shall be renewed with the same kind of paint as originally used, such renewal to be considered only as a part of the original shop coat. If the Engineer so directs on members or parts of members buried in concrete the shop coat will be omitted.

Structural Steel and Rods.

Section No. 272. Structural steel and rods to be imbedded in concrete shall be protected from the weather before being put in place, and shall be cleaned and scales removed but not painted before being incased in the concrete.

Second Coat Carbon Paint.

Section No. 273. The second coat of paint shall be a carbon paint approved by the Engineer. It shall be applied after erection, but not until the metal has been cleaned from dirt or other objectionable matter that may be found thereon.

Metal to be Cleaned After Erection.

Section No. 274. After erection the metal shall be thoroughly cleaned of all dirt, rust or scales by stiff wire brushes or sand blasts, as directed, and afterward dusted and thoroughly and evenly painted as described above. No paint shall be applied until the cleaning has been passed upon by an Inspector.

Third Coat.

Section No. 275. Between stations the exposed members shall be given a third coat, which shall be a carbon paint of a color and quality approved by the Engineer.

Third Coat, When Applied.

Section No. 276. The third or finishing coat shall be applied to all exposed surfaces of the metal after its erection, and after a completion of the masonry or other work; it shall be applied at such time after such completion and before the final acceptance of the work as in the judgment of the Engineer may be advisable. The several field coats shall be sufficiently tinted to be distinctive.

Surface in Contact.

Section No. 277. Surfaces of exposed members inaccessible after erecting, shall be cleaned and painted before erecting.

Recesses, etc.

Section No. 278. All recesses that might contain water, or through which water could enter, must be filled with thick paint or a waterproof cement of ground skins before receiving final painting.

Section No. 279. All surfaces so close together as to prevent the insertion of a brush, must be painted thoroughly by using a piece of cloth, if necessary.

Rainy or Freezing Weather.

Section No. 280. No painting in rainy or freezing weather or on wet surfaces will be permitted.

Payments.

Section No. 281. Payment for painting is included in the prices for steel and iron.

18

Ducts and Conduits.

Vitrified Ducts—Quality and Size.

Section No. 282. The ducts to contain cables for transmitting electricity shall be manufactured of the best clay, thoroughly mixed, burnt and vitrified, sound in all respects, straight and free from soft spots, stones, cracks or blisters liable to impair their strength or durability; in lengths generally of from eighteen (18) to thirty-six (36) inches, shorter lengths shall only be used as directed; generally in four-way form with circular holes, the diameter to be such as to pass a mandrel

three and one-half (3½) inches in diameter; one, two or three-way ducts shall be used in special cases as determined by the Engineer. The interior surface of the holes to be smooth and clear of warts, tits, pits or blisters, which may tend to injure the electric cable in pulling the same through the duct. The ends to be cut smooth and at right angles to the axis of the duct and beveled on inside for three-quarters (¾) of an inch.

Thickness of Ducts.

Section No. 283. The outside walls and webs of four-way ducts to be three-quarters (¾) of an inch thick; the outside dimensions of ducts to be not less than nine and one quarter (9¼) nor more than ten (10) inches, and constructed square on outer lines; the dimensions of single, two-way or three-way ducts shall be consistent with the above.

Ends Combed.

Section No. 284. The ends of ducts to be combed with two (2) sets of three (3) combings each, each combing to have a width of one-quarter (¼) of an inch and a depth of one-sixteenth (1/16) of an inch.

Glaze.

Section No. 285. The inside and outside of ducts to be thoroughly glazed in the most approved manner with good salt glaze.

Inspection.

Section No. 286. All ducts to be subject to inspection, both at the place of manufacture and on the work. All rejected ducts to be promptly removed by the Contractor at his expense.

How Laid.

Section. No. 287. The ducts shall be laid in beds of cement mortar about one-quarter (¼) of an inch in thickness, with broken joints and with full bearing. Two (2) strips of thick unbleached muslin six (6) inches wide, and coated with neat cement mortar, shall be used to wrap each joint, the ends of the wrap to lap six (6) inches. The muslin shall be not less than 56 x 60 count, weight not less than four (4) ounces to the yard and width thirty-six (36) inches. In laying the ducts care must be taken to close abutting joints so that practically the end of ducts shall be in contact on all sides. Where ducts are laid on curves, the wraps must be doubled if required, to protect the openings between the ends of the ducts on the outer line of the duct and to exclude all mortar from duct openings.

Mandrels.

Section No. 288. The ducts shall be laid with a linked mandrel of the length and diameter to be prescribed, the same accurately fitting the duct openings, the mandrel to be left in each duct until the next succeeding duct is laid.

Dowel Pins.

Section No. 289. The ducts shall be laid with dowel pins, at least two pins on the opposite sides horizontally.

Laid to Line.

Section No. 290. The ducts shall be so laid that the centre of the holes shall be true to line and grade.

To Be Rodded.

Section No. 291. After the ducts are laid, and sufficient time is given to allow the mortar in beds to set, they shall be rodded; all mortar or other foreign matter must be cleaned from the duct openings, leaving a clear and smooth opening. If obstructions are found in rodding the ducts which cannot be removed by cleaners, so as to give a clear and smooth opening sufficient to pass a three and one-quarter (3¼) inch mandrel, the ducts shall be removed and relaid; all ducts, during construction and after being rodded, shall be plugged with suitable plugs, to be furnished by the Contractor. If wooden plugs are used they shall be immersed in water for at least eight (8) hours before being put in place.

Measurement and Payment for Vitrified Ducts.

Section No. 292. Tunnel ducts shall be paid for per duct foot in place at the price herein stipulated for tunnel ducts, Schedule Item 18, which price shall include the cost of furnishing, laying, rodding and all the material and work incidental thereto. The tunnel ducts to be provided under Schedule Item 18, shall include only those intended solely for the purpose of the operation of the Railroad.

Duct Manholes.

Section No. 293. Duct manholes shall be built at the sides of the Railroad in connection therewith and as indicated on the plans. These manholes shall be generally at intervals of about three hundred feet, and shall be on either or both sides of the Railroad as necessary, in accordance with the location of the duct lines. They may vary in form as may be necessary to accommodate the work to local conditions.

Duct Manholes at Stations.

Section No. 294. Duct manholes will be built at the ends of the stations to provide for the passage of the ducts under the station platforms, and if found necessary on account of the lengths of stations, additional manholes will be constructed under the platforms.

Section No. 295. At manholes the ducts will be laid to conform to the special conditions.

Section No. 296. In all work where iron pipe or fibre conduits are installed for a part of their length in the structure and for another part as open construction, the ends of such runs shall be carried outside of said structure as open construction and shall terminate in outlet or junction boxes located by the Engineer.

Section No. 297. The iron pipe or fibre conduits required by Section No. 296 will be built mainly in the walls, roofs or other parts of the stations; portions, however, of the runs will be left exposed, to be covered later by the station finish work.

Quality of Iron Pipe Conduit.

Section No. 298. All iron conduit used for any purpose in connection with the work herein shall be of the best grade (Galvaduct or equal) standard weight wrought iron or steel piping, protected inside and out by a coat of zinc or enamel. It shall be delivered to the work in bundles of full length pipes, each length marked with the trade-mark of the manufacturer. It shall bend cold 90 degrees about a radius equal to ten diameters without signs of flaw or fracture in either pipe or enamel.

Installation.

Section No. 299. All conduits shall be carefully cleaned before and after erection, and all ends shall be reamed free from burrs, and inside surfaces shall be free from all imperfections liable to injure the cable.

Joints Water-Tight.

Section No. 300. All joints shall be made with standard couplings, well treated with red lead, and screwed up to make a water-tight job.

Fibre Conduits, Quality, Laying, etc.

Section No. 301. All fibre conduit shall be made of impregnated fibre equal to that manufactured by the Fibre Conduit Company of Orangeburg, New York.

It shall be of uniform thickness, having walls of not less than one-quarter (¼) inch and true cylindrical holes not less than two (2) inches in diameter. Lengths shall be not less than five (5) feet, and all ends shall be furnished.

All joints shall be made by suitable finished sleeves fitting closely over the ends of the conduit and made water-tight by making up with an approved bituminous compound.

After laying, all ducts shall provide a clear, true opening, free from obstructions and imperfections in any way injurious to the wires to be installed. All ducts shall be rodded and cleaned with an approved mandrel not less than one and three-quarter (1¾) inches in diameter and eighteen (18) inches long.

Built in Concrete, Etc.

Section No. 302. Conduits built into concrete or other parts of the structure shall be properly protected and supported, so that the same shall not be injured by the building operations.

Not Built in Concrete.

Section No. 303. Conduit not built into the structure shall be supported by approved pipe straps located not more than eight feet apart, or in any other manner designated by the Engineer, and they shall be kept boxed or otherwise suitably protected from injury.

Bends and Offsets.

Section No. 304. Bends and offsets may be made in the field if proper tools are used, but in no case shall deformed, split or crushed conduit be erected. Not more than two right angle bends shall be made between any two outlet boxes without special approval of the Engineer.

Measurement and Payment.

Section No. 305. Measurements for the above iron pipe or fibre conduits shall be per lineal foot of single conduit placed in the work—in accordance with the requirements—and payment for the same shall be as herein stipulated in Schedule Item 32.

Outlet and Pull Boxes and Payment for Same.

Section No. 306. All outlet and pull boxes shall be made of cast iron, with openings threaded for the conduit ends, and conduits shall be screwed into these openings and made up with red lead to effect a water-tight joint. Covers shall be of cast iron and water-tight, and no other boxes or covers shall be used except under special permission of the Engineer. The price for each cast iron outlet box furnished and placed in the work shall be as herein stipulated in Schedule Item 33.

19

Drains and Pumps.

Railroad to be Drained.

Section No. 307. Every part of the Railroad, the stations and appurtenances connected therewith, must be arranged so far as possible that any water finding access thereto will be led away automatically to the City sewers.

Section No. 308. Where the Railroad is on an inclined gradient, and is constructed in dry, porous soil, the floor of the Railroad may be depended on to act as a conduit. At the bottom of the inclined gradient connections must be made with a sewer or with sub-drains lying beneath the Railroad and draining into the sewers.

Sub-drains.

Section No. 309. Along such parts of the work where the soil is not porous, or where the floor of the Railroad cannot, in the judgment of the Engineer, be used as a conduit, there shall be laid, beneath the rail level and on a continuous descending gradient, drain pipes of vitrified salt-glazed stoneware, of the quality described in these specifications for sewer pipe. These drain pipes shall be of such diameter not exceeding fifteen (15) inches, as the Engineer may direct, and there shall be one (1) such drain for each two (2) tracks. Each drain shall be laid in the concrete or directly in the soil with tight or open joints, as directed, and in such manner and in such position, as in the opinion of the Engineer, local circumstances require.

Connections and Cross Drains.

Section No. 310. Where drain pipes connect with the City sewers, the junction shall be protected by suitable traps, and back-pressure valves or gate valves where necessary, to prevent back rush of water or gas from the sewers. Connections with the Railroad shall be as necessity demands and all as directed by the Engineer. Cross drains to connect with the main drains will be placed at such places and in such manner as the Engineer shall direct; also vertical drains at the sides of the Railroad. These drains shall be of vitrified pipe or of cast iron as directed.

Broken Stone for Drainage.

Section No. 311. Broken stone shall be placed for the purposes of drainage, as indicated on the plans or as required by the Engineer.

Sumps.

Section No. 312. At the low points of the grade of the Railroad where the same passes below the bottom of adjacent sewers there shall be constructed sumps connected with the subdrains or the floor of the Railroad. Such sumps must be water-tight, with a capacity of not less than eight hundred (800) gallons each.

Pumps for Tunnel Drainage.

Section No. 313. Adjacent to each sump a suitable enclosure shall be provided in which two pumps shall be installed, each of which shall have ample capacity to remove all the water entering the sump at that point under ordinary conditions. These pumps shall each have a separate source of power, and shall be arranged to operate automatically. Under this contract the Contractor will only furnish the pump or pumps required and set them in place as directed, including the necessary pipe and drainage connections between the sumps and sewers.

The pumps shall be of the capacity required by the Engineer.

Capacity.

Section No. 314. If in the opinion of the Engineer the service requires it, each of these pumps shall be able to remove from the sump eight hundred gallons per minute.

Delivery to Sewers, Etc.

Section No. 315. The delivery of such pumps shall be into the City sewers, and all piping, valves, etc., in connection therewith, shall be installed as a part of this contract.

Payment for Drains, Broken Stone, Pumps, Etc.

Section No. 316. All drains shall be measured in place and the actual net length as laid for each class of drain will be paid for as herein provided in Schedule Item 17. The prices therein provided for each class of pipe will include providing and laying the pipe and all specials of any nature whatsoever such as bends, tees, wyes, handholes, etc., and all material necessary for joining the same. Where back-pressure valves or gate-valves are required the cost of setting the same will be included in the above, but the Contractor will be paid in addition the actual net cost of such valves plus ten (10) per cent.

Section No. 317. For broken stone for drainage, furnished and placed, Section No. 311, payment will be made as provided in Schedule Item 14.

Section No. 318. For pumps, Section No. 313, the Contractor will be paid as provided in Article XII of the contract, not including, however, the pipe connections with sumps and sewers, which pipe will be paid for as hereinbefore provided in Schedule Item 17.

Soil Pipes for Stations.

Section No. 319. It will be necessary to lay soil pipes in the floors and walls of the stations. These pipes are to be cast iron, "extra heavy." They will be placed in positions as shown on the plans and will be paid for as provided in Schedule Item 43.

20

Sewers.

In Accordance with Plans and Specifications.

Section No. 320. All sewers and appurtenances shall be built of the materials, of the sizes and dimensions, on the lines and grades, at the depths, with the connections, and in the manner called for by these specifications and shown on the drawings.

Change of Location.

Section No. 321. If, in the opinion of the Engineer, it is impracticable during the progress of the work to construct any sewers, manholes, or other appurtenances, according to the contract drawings, owing to the presence of unknown sub-surface structures or other contingencies, the Contractor shall construct such sewers, manholes or appurtenances in the location given by and according to the directions of the Engineer.

General Clauses Apply.

Section No. 322. The general clauses in this contract relating to excavation, both in open trench and tunnel, backfilling, cement, mortar, masonry, waterproofing, piling, timber work of all kinds, care of streets and public places, maintenance of surface and sub-surface structures, protection of persons and property, repaving or restoring of the surface of the street or other public places, responsibility of the Contractor, authority of the Engineer to examine and condemn materials, and the power of the Commission and the Engineer in all or any other respects to enforce this contract, apply to the construction and reconstruction of sewers, water mains or pavements, unless specifically amended or exempted, both along the route occupied by the Railroad and elsewhere.

No Claims For Damages.

Section No. 323. Should postponement or delay be occasioned by the precedence of paving or other contracts, which may be either let or executed by the Borough President, Commissioner of Water Supply, Gas and Electricity, or other heads of departments, either before or after the execution of this contract, on the line of the work, no claims for damages therefor shall be made or allowed; nor shall any claim for damages be made or allowed in consequence of the street or the adjoining sewers not being in the condition contemplated by the parties at the time of making the contract, except that if the Contractor shall be delayed in the performance of his work by reason of the street or the adjoining sewers not being in such condition, an allowance of time may be given for the completion of the work as elsewhere provided in this contract.

Size of Trenches.

Section No. 324. The trenches for sewers and basin culverts both in earth and in rock, in streets along the route of the Railroad, shall have vertical sides and shall be six inches wider than the greatest external width of the sewer or its foundation on the side farthest away from the subway; and in other streets the trenches shall have vertical sides, and shall be six inches wider on each side than the greatest external diameter of the sewer, but shall be not less than three feet in width. They shall be excavated to the depth and to the form of the sewer or its foundation. Payments for excavation will be based on the requirements as above.

Limit of Trench Opening.

Section No. 325. Not more than one hundred (100) feet of trench in sewers off the line of the railroad shall be opened at any one time in advance of the sewer already completed, unless by permission of the Engineer, and for a distance specified.

Excavation Completed in Advance.

Section No. 326. The excavation of trenches shall be fully completed a sufficient distance in advance of the laying of the sewer, and the exposed end of the sewer shall in all cases be fully protected.

Trenches For Manholes and Receiving Basins.

Section No. 327. Where the foundation for a manhole or a receiving basin extends beyond the line of such manhole or receiving basin, the excavation required in earth shall be to the lines of the smallest rectangle enclosing the full dimensions of the exterior of the foundation, and shall have vertical sides to the surface, but it shall, in all cases, be six inches larger than the greatest external dimension of the manhole or receiving basin. In rock excavation, the trench shall be six inches larger than the greatest external dimension of the manhole or receiving basin, and shall have vertical sides to the surface.

Foundations.

Section No. 328. Where the ground does not afford a sufficiently solid foundation, the trench shall be excavated to such increased depth as the Engineer may deem necessary, and this extra depth, and all other irregularities in the bottom of the trench, shall be filled up to the required level and form, with such material, and in such manner, as the Engineer shall direct. If so directed, piles shall be driven and a timber or reinforced concrete foundation shall be constructed, as elsewhere provided in these specifications, to support the sewer.

Inspection of Grades.

Section No. 329. When the trench is properly prepared and before laying any sewer, the Contractor shall notify the Engineer, who will, thereupon, cause the grades for the sewer to be tested, and if correct the sewer shall then be laid in the presence of a duly authorized inspector, and no construction work shall be done in his absence.

Trenches to be Kept Free From Water.

Section No. 330. The trenches shall be kept entirely free from water while the foundation and the masonry are being constructed or the sewer laid. In no case shall water be allowed ot flow over the invert or foundation or through the sewer until the mortar is thoroughly set.

Tunneling.

Section No. 331. When tunneling for sewers shall be deemed advisable, it shall be done in a manner approved by the Engineer.

Gutter and Passageway to be Kept Open.

Section No. 332. At all times, gutters shall be kept open for surface drainage, and the streets and sidewalks shall be kept clear and free for the passage of carts, wagons, carriages and street or steam railroad cars or pedestrians, and as otherwise provided in these specifications.

Cross-walk, Side-walk and Roadway to be Kept Clear.

Section No. 333. Where any cross-walk or roadway is cut by the trench, it shall be temporarily replaced by a timber bridge with side railings, according to the direction and approval of the Engineer. The work shall at all times be conducted so as to cause as little inconvenience as practicable to the public.

Disposition of Paving Material.

Section No. 334. All curb, gutter, flagging, paving and macadam stones, necessary to be removed, which in the judgment of the Engineer are suitable to be used again, shall be stored in such places as the Engineer shall direct, or shall be removed as provided in these specifications; in all cases a passageway on the sidewalks and in the roadway shall be preserved free from needless obstructions.

Flow of Sewers to be Maintained.

Section No. 335. The Contractor shall provide for the flow of all sewers, drains and water-courses interrupted during the progress of the work, and shall restore and make good all connections, and shall immediately cart away all offensive matter, in such manner and with such precautions as the Engineer may direct. All temporary house connections shall be made by closed iron pipes, with suitable provision for preventing leakage at joints. Wooden troughs for such connections will not be permitted.

Brick.

Section No. 336. In the construction of brick masonry none but the best quality of common brick burned hard entirely through, regular and uniform in shape and size and of compact texture, shall be used. They shall be culled as they are brought on the ground, and bats and bricks of improper quality are to be removed from the work. A limited number of bats may be used in manholes and closures, and in the outer ring of the sewers where more than two rings of bricks are required.

How Laid.

Section No. 337. The bricks shall be properly wet immediately before laying. Every brick is required to be laid in a full joint of mortar, made as described in these specifications, on its bed, end and side, at one operation. In no case is mortar to be slushed or grouted in afterward. The bricks shall be neatly and truly laid, every second course to line, and the joints to be carefully struck on the inside.

Racked Back or Toothed.

Section No. 338. All brick work, as it progresses, shall be racked back in courses, and in no case will it be allowed to be toothed, unless by special permission from the Engineer.

Brick or Stone Inverts.

Section No. 339. All inverts, or bottom curves, shall be formed from profiles accurately made according to the dimensions of the sewer, and correctly set according to the grades furnished. The masonry shall be allowed to set for twenty-four (24) hours before the arch is turned. Vitrified brick or granite paving blocks shall be used for the inner ring of the invert when required by the Engineer, and whenever so used they must be thoroughly jointed, so as to be water-tight along the inner surface of the sewer. The last course of the invert masonry below the springing line shall be laid as headers.

Brick Arches.

Section No. 340. The arches or upper curves shall be formed on strong centres of correct form, according to the sizes and shapes required, and keyed with stretchers in full joints of mortar. The extrados of the arch shall be plastered with mortar one inch thick, mixed in the proportion of one part of cement to two parts of sand. The centres shall not be removed or withdrawn in less than thirty-six hours, or until the work is thoroughly set, and until the filling in of the arch is properly put into place to a depth which is at least one foot above the crown of the arch. The centres in all cases shall be struck and not drawn, so as not to crack or injure the work. Should any crack or settlement appear in the arch after the centres are removed, so much of the work as the Engineer may require shall be taken down immediately and replaced.

Spurs.

Section No. 341. Vitrified or iron sewer pipes or spurs, equal in every respect to those described elsewhere in these specifications, and of a size required by the Engineer, but not less than six inches interior diameter with hubs moulded for house connections, and of sufficient length to project at least four inches beyond the exterior of the sewer, shall be built into the walls of brick sewers and at such an angle as indicated on the plan, or as the Engineer may direct.

How Built In.

Section No. 342. Spurs shall be built in wherever similar house connections exist in the present sewer which is to be reconstructed under this contract, but in no case shall the distance be more than twenty feet between spurs. In the case of the construction of new sewers where no sewers existed previously, except sewers under public parks or those crossing intersecting streets, they shall be built opposite each house, and where there are no houses, they shall be not more than fifteen feet apart on each side of the sewer or at such frequent intervals as local conditions may require. They shall be set so that their inner ends shall be flush with the inner face of the sewer, at such height in the walls as the Engineer may direct, and each pipe shall be sealed on the outside with an approved earthen-ware cover set in mortar.

Iron Chair Spurs.

Section No. 343. Where the sewers to be built under this contract will be at a depth greater than thirteen feet below the established grade of the street (or below the surface of the street where final grades have not been established), cast iron chair spurs, of the design shown on the drawings, not less than six inches in diameter and of the weight of extra heavy soil pipe, shall be used unless otherwise ordered by the Engineer. Where house drains are to be connected to these spurs, extra heavy soil pipe and fittings shall be used for the riser between the spur and the house drain. Where the spurs are provided for future connections, risers of extra heavy soil pipe shall be placed in each spur and shall be brought to a point thirteen feet below the established grade of the street, the end of which shall be sealed with an approved cover laid in cement mortar. The joints of this pipe shall be packed, leaded and caulked in accordance with these specifications for laying water-mains.

Under Station Platforms.

Section 344. Wherever the sewer passes under a station platform or other structure, extra heavy soil pipe shall be laid from the spur to the outside of such station or other structure, brought up to a point thirteen feet below the established grade of the street, caulked and sealed as provided above. All pipes passing under such structures shall be laid in concrete.

Concrete Sewers, Form, Dimensions and Materials.

Section No. 345. If, during the construction of the sewers, it is deemed advisable to interchange concrete and brick, the Contractor may, with the approval of the Engineer, build such sewers of either kind and quality herein specified.

Steel Bars Used if Ordered.

Section No. 346. Concrete sewers shall be reinforced with steel bars, if so indicated on the plans or directed by the Engineer.

Profiles and Inverted Centres for Inverts.

Section No. 347. Proper profiles for the concrete inverts shall be set up at the required distances, and the concrete for the bottom and invert of the sewer shall be deposited in place and rammed and worked down to the required shape. The concrete for the bottom and invert, if so directed, shall be placed in alternate lengths extending between every other pair of profiles, so that opportunity may be given to properly work the concrete in place.

Invert to be Protected.

Section No. 348. The concrete of the invert shall be protected during the progress of the work with planking, or by such other suitable methods as the Engineer shall direct and for so long a time as he may require.

Forms, Moulds, etc.

Section No. 349. Suitable forms or moulds, of the size and design to be approved by the Engineer, shall be provided by the Contractor to support the concrete of the side walls and roof while the same is being rammed into the permanent work.

Defective Work.

Section No. 350. If any voids, or irregular or defective work is discovered upon removing the forms or moulds, such voids or work shall be cut out and filled with a rich concrete or mortar mixed in such proportions and of such materials as provided elsewhere in these specifications.

Joints.

Section No. 351. No joints between different sections of the walls of a sewer shall, in any case, be a straight line, but shall always be stepped or toothed, so as to give a broken joint in the manner to be approved by the Engineer.

Spur Pipes, Branches, etc.

Section No. 352. In so far as they will be applicable to sewers constructed of concrete, the provisions and requirements for spurs, branches, etc., in brick sewers shall be understood to govern in such construction.

Vitrified Pipe Sewers—Quality of Pipe.

Section No. 353. Pipe sewers shall be built of vitrified, salt glazed stone-ware pipe, with or without hub, as the Engineer may direct. The pipe shall be of the best quality, thoroughly and perfectly burnt, without warps, cracks or imperfections, well and smoothly glazed over the entire inner and outer surfaces and perfect in shape. The pipe shall be subject to all tests ordered in conformity with any requirements of the Bureau of Sewers of the Borough of Manhattan, at any time previous to its being used.

Thickness.

Section No. 354. The size of the pipes shall be designated by their interior diameters. Each pipe shall be a true cylinder, and of even thickness throughout, according to the following schedule:

6-inch pipes shall be not less than 5/8 of an inch thick;
8-inch pipes shall be not less than 3/4 of an inch thick;
10-inch pipes shall be not less than 7/8 of an inch thick;
12-inch pipes shall be not less than one inch thick;
15-inch pipes shall be not less than 1¼ inches thick;
18-inch pipes shall be not less than 1½ inches thick;
24-inch pipes shall be not less than two inches thick;
30-inch pipes shall be not less than 2½ inches thick.

Lengths.

Section No. 355. No pipe shall be less than two feet in length, and pipes of 12 inches, 15 inches and 18 inches in diameter shall be not less than three feet in length.

Curved and Split Pipes.

Section No. 356. When required, curved pipes shall be furnished and laid, curved to such a radius as may be required or as indicated on the plan of the work. No curved pipe shall exceed three feet in length. Split pipes shall be used when found necessary.

Hub and Spigot Pipe.

Section No. 357. In case the Engineer shall order hub and spigot pipe to be used, the hub shall have a depth of at least three (3) inches from its face to the

shoulder of the pipe on which it is moulded, and shall have an interior diameter not less than one (1) nor more than two (2) inches greater than the exterior diameter of the pipe which is to be fitted into it.

Straight Pipe with Collars.

Section No. 358. In case the Engineer shall order pipe without hubs to be used, it shall be fitted with a collar of the same thickness as the pipe and not less than five inches wide. Each collar must have an internal diameter of not less than one-half inch nor more than one and one-half inches greater than the external diameter of the pipe to which it is to be fitted.

Spur Pipes.

Section No. 359. Pipes having spurs not less than six inches in diameter with hubs moulded thereon for house connections shall be furnished and laid at such points as indicated on the plan or as directed by the Engineer, and when not immediately used, they shall be sealed on the outside with approved vitrified earthen-ware covers set in mortar.

Risers.

Section No. 360. The provisions for risers on brick sewers shall also apply to pipe sewers.

Bends.

Section No. 361. Bends, siphons and special pipes shall be furnished and laid of the size and forms shown on the plans of the work, or as required.

Pipe Sewers, How Laid.

Section No. 362. All pipes shall be laid in concrete cradles of the required form and dimensions. The first layer of concrete shall be four inches thick, for the full width of the cradle, and after being thoroughly tamped shall be allowed to set for a period of not less than twenty-four hours. Upon the bed thus prepared, the pipe shall be laid true according to the lines and grades furnished. The ends of the pipes shall abut against each other and in such manner that there shall be no shoulder or unevenness of any kind along the bottom half of the sewer on the inside. Unless otherwise ordered, not less than fifteen feet of pipe shall be laid at any one time, in any one length of trench. The remainder of the concrete shall then be put in place and shall be exposed for at least twenty-four hours for inspection, as required for the bottom course.

Jointing Hub and Spigot Pipes.

Section No. 363. When hub and spigot pipes are used, the lower half of each hub shall be plastered on the inside with a layer of cement mortar mixed in the proportion of one part of cement to one part of sand and of a sufficient thickness to bring the inner surface of the abutting pipes flush and even with the established flow line. After the pipes are fitted, the space between the inside of the upper half of each hub and the outside of the entering pipe shall be filled with cement mortar mixed as above specified, and the outside of the joint shall be thoroughly sealed with the same kind of mortar and the joints carefully wiped inside and outside.

Jointing Pipes Without Hubs.

Section No. 364. When pipe without hubs is used, a collar or ring shall be used at joints and shall lap equally the ends of each abutting pipe. Such collar or ring shall consist of not more than three pieces, the largest of which shall be placed at the bottom.

Spaces Between Pipes Uniform.

Section No. 365. The space between the ring and the pipes shall be as uniform as possible and shall be thoroughly filled with cement mortar mixed in the proportions specified for hub and spigot pipe. The joints shall be carefully wiped and pointed inside and outside and all mortar that may be left on the inside shall be removed and the inside of the pipe left clean and smooth throughout.

Iron Pipe Sewers.

Section No. 366. Sewers of iron pipe, of quality and laid in the manner described elsewhere in these specifications for the laying of water mains, shall be laid wherever indicated on the plans or at such places as the Engineer shall direct.

Special Castings.

Section No. 367. Wherever such pipes are laid under station platforms or through vaults, they shall, when required by the Engineer, be provided with special castings for manholes, which shall be fitted with a cover bolted on so as to make an air-tight joint, according to the plans to be furnished by the Engineer.

Ventilators.

Section No. 368. Whenever, in the opinion of the Engineer, it becomes necessary to provide ventilation for sewers under station platforms or other structures, iron pipe shall be laid from the sewer to the surface of the street and fitted with proper gratings according to the plans to be furnished by the Engineer.

Connections.

Section No. 369. All existing sewers, culverts, drains and house connections intercepted by the proposed sewers, culverts or receiving basins shall be connected with the new work by proper curves and grades and in such manner as the Engineer shall direct; and all drains, basins or culverts rendered unnecessary or becoming disused by the work herein contemplated shall be filled in and made solid with good wholesome earth in the manner directed. Provision shall also be made for the connection of future sewers or basins by construction brick spurs or inserting vitrified pipe at the points indicated on the contract drawings and at other points as the Engineer may direct. These connections shall be closed with bulkheads not less than eight inches in thickness and of the quality specified for brick masonry.

Fresh Work to be Protected.

Section No. 370. All fresh work shall be carefully protected from injury in every way. No wheeling or walking will be allowed on it and any portion injured must be relaid by the Contractor; no walking or working over the pipes after they are laid, except as may be necessary in tamping the earth and refilling, will be allowed until there is at least two and one-half feet of earth over them.

Pipes to be Kept Clean.

Section No. 371. The interior of pipe sewers shall be carefully freed from all dirt, cement and superflous material of every description as the work progresses, for which purpose a disc, mould or plate, attached to a rod sufficiently long to pass two joints from the end of the pipe last laid, shall be continuously worked through.

Exposed Ends of Pipes to Be Protected.

Section No. 372. The exposed ends of pipe sewers shall, in all cases, be protected with a board or other stopper carefully fitted to the pipe, to prevent earth or other substances from washing in, and in no case shall brick or stone be used for that purpose.

Manholes.

Section No. 373. The masonry of manholes shall be carried up so that the top of the iron head when set shall be at the level of the established grade of the street at that point or to such height as the Engineer may direct, and from templates correctly made and set at top and bottom, between which not less than eight lines shall be drawn. Where manholes are not built to the established grade of the street, they shall be covered, when necessary, by selected bluestone slabs eight inches in thickness, to support the manhole heads. All joints shall be neatly struck and pointed on the inside. Each manhole shall be plastered thoroughly on the outside with cement mortar one inch in thickness, mixed in the proportion of one part of cement to two parts of sand.

Foundations.

Section No. 374. The foundations for manholes shall be of concrete or masonry of the kind indicated on the plans and shall be not less than twelve inches below the invert elevation of the sewer, except as otherwise indicated on the plan. When foundation additional to that indicated on the plan is required, it shall be built as directed by the Engineer.

Section No. 375. Sewer pipes shall be built in and trimmed, when necessary so as to be flush with the inner face of the manhole, and an arch, laid in cement mortar, shall be turned over the pipe.

Vitrified Bricks or Granite Blocks.

Section No. 376. The invert shall be built of vitrified brick, granite blocks or concrete masonry, as indicated on the contract drawings.

Use of Bats.

Section No. 377. A reasonable number of bats not smaller than half bricks may be used in the construction of manholes or receiving basins, provided all interstices are thoroughly filled with mortar.

Steps.

Section No. 378. Standard steps of good quality of galvanized wrought iron, of the size, length and shape required for steps, shall be built into the interior sides of all manholes at a distance apart of not more than fifteen (15) inches vertically and they shall be so arranged that the lowest step shall be not more than two feet above the bench at the bottom of the manholes nor more than two feet above the invert of the sewer where there is no bench. Each manhole head shall be cast with a wrought iron step on the inside, when directed by the Engineer.

Bluestone.

Section No. 379. Hammer-dressed bluestone shall be furnished and laid of the form and thickness required as indicated on the plans or as otherwise directed.

Manhole Head and Cover.

Section No. 380. A cast-iron manhole head and cover of the quality specified for cast-iron, and except in special cases, of the pattern adopted by the Presiaent of the Borough in which the work is located, and in dimensions, weight and all other respects satisfactory to the Engineer shall be fitted on a bed of mortar to each of the above described manholes. Manhole heads and covers which do not conform to these specifications shall be at once removed from the work.

Perforations.

Section No. 381. Covers to be used on manholes in the street shall be perforated. Those used on sidewalk manholes shall be tight-fitting, without perforations.

Weights.

Section No. 382. Each manhole head and cover shall have its weight distinctly marked upon it with oil paint. The following shall be allowed as the minimum and maximum weights:

Street manhole head, 475 to 500 pounds;
Street manhole cover, 135 to 150 pounds;
Sidewalk manhole head, 300 to 310 pounds;
Sidewalk manhole cover, 100 to 110 pounds.

Noiseless Heads and Covers.

Section No. 383. When the pavement of the street is asphalt or wooden block, the manhole shall be fitted with a noiseless head and cover, to be approved by the Engineer, where new heads and covers are necessary.

Sealed Manhole Heads and Covers.

Section No. 384. All manholes in station platforms, vaults or other structures shall be provided with sealed manhole heads and covers according to the design indicated on the plans.

Emergency Manholes.

Section No. 385. Where a sewer crosses under the subway, emergency manholes shall be provided when directed by the Engineer and according to plans to be furnished by him.

Manholes to be Completed.

Section No. 386. Manholes shall in all cases be fully and completely built and fitted with their covers as the work progresses, and the sewers shall not be laid beyond or in advance of any uncompleted manhole.

Receiving Basins.

Section No. 387. Receiving basins shall be built as located on the plans or as the Engineer shall direct and in accordance with the plans to be furnished. Each portion of the basin shall be built of the size and materials designated on said drawings and shall be thoroughly plastered, both inside and outside, with cement mortar in the proportion of one part of cement to two parts of sand.

Foundations.

Section No. 388. The foundations for receiving basins shall be of concrete or masonry of the kind indicated on the plans and shall extend not less than twelve inches below the finished floor of the basin, except as otherwise indicated on the plans. When additional foundation is required, it shall be built as directed by the Engineer.

Stone Flooring.

Section No. 389. The flooring shall be of hammer-dressed North River bluestone flagging, not less than three inches thick, in not more than two pieces, and shall be well set in a full bed of mortar and rammed into place. The floor may be finished with cement mortar mixed in the proportion of one part of cement to one part of sand if so directed by the Engineer. The mortar shall be spread, while fresh, upon the concrete base and before the latter shall have reached its first set; it shall be in such quantity that after thorough manipulation it shall be one inch in thickness.

Head Stone and Gutter Stone.

Section No. 390. Where head stone and gutter stone are required they shall be of sound, durable granite of the dimensions indicated on the plan, hammer-dressed to an even surface and cut to the satisfaction of the Engineer. Cast-iron basin heads and gutter pieces of the design indicated on the plans shall be set instead of the above when required.

Cast-iron Cover.

Section No. 391. A cast-iron cover of approved pattern weighing not less than eighty nor more than ninety-five pounds shall be fitted to the opening in the head stone.

Grate Bar.

Section No. 392. A grate bar made according to the plan shall be fastened solidly into the said head stone in the manner indicated.

Cast-Iron Trap.

Section No. 393. A cast-iron trap of the form and dimensions indicated on the plan free from imperfections, and properly coated with coal pitch varnish shall be furnished and built into place as directed by the Engineer.

Joints.

Section No. 394. The joints shall be tightly fitted with an oakum gasket or with cement mortar if so directed.

Iron Steps.

Section No. 395. Galvanized iron steps of the same design required for manholes shall be built into the walls.

Culvert Pipes.

Section No. 396. The culvert pipe for connections with sewers shall be 12-inch vitrified pipe unless otherwise indicated on the plan, and of the kind and quality previously described, and shall be laid, in all cases, in a concrete cradle of the form and dimensions required for pipe sewers in accordance with the directions of the Engineer. In case it becomes necessary to connect any basin already built, with the work to be constructed, so much of such culverts as in the opinion of the Engineer, may be necessary shall be taken up and rebuilt or relaid with vitrified pipe, or brick as the case may be, in the manner described above and reconnected in a straight line from the basin to the sewer.

Flush Tanks.

Section No. 397. Automatic flush tanks of a type approved by the Engineer shall be built where indicated on the plans or where indicated by the Engineer.

Waterproofing.

Section No. 398. Whenever, in the opinion of the Engineer, it is necessary to waterproof a sewer, chamber or receiving basin, or their appurtenances, it shall be

done as indicated on the plans or as directed by the Engineer and in the manner described elsewhere in these specifications.

Mortar.

Section No. 399. All masonry shall be laid in Portland cement mortar of the quality described in these specifications. It shall be mixed in the proportion of one (1) part of cement to two (2) parts of sand, excepting as otherwise specially provided.

Concrete.

Section No. 400. All concrete for sewers shall be made in the proportions of one (1) part of cement to two and one-half (2½) parts of sand and four and one-half (4½) parts of stone of the quality described in these specifications.

Paving.

Section No. 401. On the completion of each section of one hundred feet of sewer, the sidewalks and roadways shall be restored as provided, under the heading of "Street Surface and Park Surface Restored."

Permits for Connections.

Section No. 402. The Commissioner of Public Works shall have the right to connect any sewer or sewers with the sewers herein described or to grant permits to any person or persons to make connections therewith at any time before it is finally completed, and the Contractor shall not interfere with or place obstructions in the way of such person or persons as may be employed in building such new sewer or sewers or in making such connections. This is not to be construed, however, as permitting the introduction of storm water or sewerage into any sewer being constructed under this contract before its final completion.

Thoroughly Cleaned.

Section No. 403. During the progress of the work, and until the entire completion and final acceptance thereof, the sewers, drains, basins, culverts and connections shall be kept thoroughly cleaned throughout, and left clean, and the drainage of any old sewer that may be taken up or intercepted shall be provided for and taken care of by the Contractor, all at his own expense.

Payment for Sewers.

Section No. 404. Payment for sewers will be per lineal foot of sewer complete as herein provided in Schedule Items 37 to 74, both inclusive, except as hereinafter specifically provided. The price for each class of sewer is to include each and every item applicable thereto as herein given in Sections Nos. 320 to 403 of these specifications and as otherwise provided in the contract and as indicated on the plans; excepting as is hereinafter specially provided.

Excavation.

Section No. 405. In addition to the price per lineal foot for completed sewer, as above provided, excavation will be paid for at the prices herein stipulated in Schedule Items Nos. 2-A and 3-A (which prices shall include all the matters referred to in Section No. 99), on the basis of size of trench stipulated in Sections Nos. 324 and 327, excepting where the sewer is built by tunneling, in which case tunnel excavation will be paid for at the price herein stipulated in Schedule Item No. 5-A (which prices shall include all the matters referred to in Sections Nos. 109 and 112), on the basis of the net ordered lines of the sewer. Payment for the street surface restored shall be as provided in Schedule Items 30-A or B.

Steel Beams and Reinforcing Rods.

Section No. 406. Where steel beams or reinforcing rods are required and ordered, such beams and rods will be paid for in addition to the price bid for the sewer and at the prices herein stipulated for furnishing and placing such material and all work incidental thereto, in Schedule Item 20 or 21.

Automatic Flush Tanks.

Section No. 407. Where automatic flush tanks are built as provided in Section No. 397 of the specifications they will be paid for as herein provided in Article XII of the contract.

Waterproofing.

Section No. 408. Where waterproofing is required and placed in accordance with Section No. 398 of the specifications it will be paid for at the prices herein stipulated for waterproofing, Schedule Item 15 or 16.

Siphons.

Section No. 409. Where inverted siphons passing under the subway structure are called for and built, they shall be considered as part of the regular subway construction from outside to outside of the sewer chambers or between points of departure from standard sewer construction, such limits being indicated on the plans; and payment for such siphons will be made in accordance with the various classes of work or materials as are applicable thereto in the Schedule and at the prices therein stipulated for such items.

Cast-Iron Pipe Sewers, etc.

Section No. 410. All cast-iron pipe sewers wherever built, and the parts, within the limits of the Railroad, or as indicated on the plans, of all other sewers crossing over or under the Railroad, will be paid for in accordance with the various classes of work or material applicable thereto in the Schedule and at the prices stipulated therein for such classes of work or material.

House and Drainage Connections.

Section No. 411. The cost of the maintenance, support or construction of all house or other drainage connections made necessary by construction under Sections Nos. 409 and 410 will be included in the prices for the several classes of work and material entering into such construction.

21

Requirements for Pipes.

Generally.

Section No. 412. Whenever it is necessary to relay any water main, all new material required for the same shall be of the quality and laid in the manner specified below, and subject to the various clauses of these specifications applicable thereto.

Pipes to be Cylinders.

Section No. 413. The pipes shall be circular cylinders, with the inner and outer surfaces concentric, and of the full interior diameter required.

Hubs and Spigots.

Section No. 414. The hub or socket and the spigot end shall be shaped in exact conformity with the standards of the Department of Water Supply, to be furnished by the Commission, and will be tested by circular gauges.

Section No. 415. The seat or shoulder of the socket and the end of the spigot shall be straight and even, and at right angles to the axis of the pipe, so as to make a smooth, tight joint. Special care will be required in making the sockets and spigots to conform to the drawings, and all pipes will be rigorously inspected at these points. No pipe will be received whose eccentricity at either the spigot or socket ends exceeds one-eighth (⅛) of an inch, or whose dimensions differ by more than one-eighth (⅛) of an inch from those required.

Section No. 416. The pipes shall be designated by dimensions of the interior diameter.

Section No. 417. Bands, lugs, buttons or ribs shall, if required, be cast on the pipes, of such forms and dimensions as the Engineer may direct.

Length of Pipe.

Section No. 418. The straight pipe shall be twelve (12) feet long, exclusive of hub; other pipe as may be directed.

Section No. 419. All straight pipes shall be straight in the direction of the axis of the cylinder.

Thickness and Weights.

Section No. 420. The thickness of the pipes, branches and special castings shall correspond with the standards of the Department of Water Supply. The weight for straight pipe shall be approximately as follows:

60-inch	pipes,	12,835	pounds each.
48-inch	pipes,	8,270	pounds each.
42-inch	pipes,	6,860	pounds each.
36-inch	pipes,	5,305	pounds each.
30-inch	pipes,	3,940	pounds each.
24-inch	pipes,	2,660	pounds each.
20-inch	pipes,	2,005	pounds each.
16-inch	pipes,	1,475	pounds each.
12-inch	pipes,	1,015	pounds each.
8-inch	pipes,	580	pounds each.
6-inch	pipes,	415	pounds each.

High Pressure Fire System.

Section No. 421. For high-pressure fire system standard spigot and grooves—The weights for straight pipes, with lugs, shall be approximately as follows, in pounds per length:

	Of 3 ft.	Of 4 ft.	Of 6 ft.	Of 12 ft.
8-inch.....	355	420	550	935
12-inch.....	615	745	1,000	1,765
16-inch.....	1,005	1,215	1,635	2,905
20-inch.....	1,475	1,795	2,425	4,320
24-inch.....	2,105	2,585	3,535	6,385

All requirements as to weights, laying, tests, etc., shall be in strict accordance with the standard requirements of the Department of Water Supply, Gas and Electricity.

Section No. 422. The thickness of the metal of the pipes and special castings will be tested by calipers after the castings have been freed from sand and cleaned.

Variation in Thickness.

Section No. 423. No pipe will be received when the thickness of metal is less by more than one-twelfth (1/12) of an inch than the thickness required by the standards.

Underweight.

Section No. 424. No straight pipe or casting will be received which weighs less than the weights above mentioned by more than five (5) per cent., for pipes 16 inches or less in diameter, or more than four (4) per cent. for pipes more than 16 inches in diameter. No special casting will be received which weighs less than the standard weight by more than ten (10) per cent. for pipes 12 inches or less in diameter, and eight (8) per cent. for larger pipes.

Straight Pipe Cast Vertically.

Section No. 425. All straight pipes shall be cast vertically, and all pipes 12 inches or more in diameter shall be cast with the hub end down.

Section No. 426. All the castings shall be made in such moulding-sand or loam as will leave the surface clean and smooth.

Castings, How Marked.

Section No. 427. All the castings shall have the year in which they are cast, the running number of the castings of the same size and form, the letters D. W. S., and the initials or name of the Contractor, and of the foundry where cast, cast on the outer side in raised letters of not less than two (2) inches in length and one-eighth (⅛) of an inch in relief, in such manner as the Engineer may designate; and in case any pipe shall be condemned, the letters D. W. S. shall be erased by the Contractor.

Quality of Cast-Iron.

Section No. 428. The metal of which the castings are to be cast (which shall be remelted in a cupola or air-furnace) shall be pig-iron, made without any admixture of cinder-iron, or other inferior metal, and shall be of such character as to make a pipe strong, tough and of an even grain, entirely free from uncombined carbon when seen under the microscope, and such as will bear, satisfactorily, drilling and cutting, and shall have a tensile strength of at least sixteen thousand (16,000) pounds to the square inch.

Section No. 429. The castings shall be free from scoria, sand holes, air bubbles, and other defects and imperfections.

Castings To Be Clean.

Section No. 430. The castings shall be perfectly cleaned and no lumps shall be left on the inner surface of the barrels or sockets, or on the outer surface of the spigot end. The castings shall be subject to hammer inspection. Iron-wire brushes shall be used, as well as softer brushes, to remove the loose dust. No acid or other liquid shall be used in cleaning the castings.

Pipes To Be Coated.

Section No. 431. Every pipe, branch and special casting shall be carefully coated inside and out with coal pitch and oil. Every casting shall likewise be entirely free from rust when the coating is applied. If the casting cannot be dipped immediately after being cleaned, the surface shall be oiled with linseed oil, to preserve it until it is ready to be dipped. No casting shall be dipped after rust has set in.

Pitch.

Section No. 432. The coal-tar pitch shall be made from coal tar distilled until the naphtha is entirely removed and the material mixed with linseed oil so as to make a smooth, tough and tenacious coating. Pitch which becomes hard and brittle when cold will not answer for this use.

Section No. 433. Pitch of the proper quality having been obtained, it shall be carefully heated in a suitable vessel to a temperature of three hundred (300°) degrees Fahrenheit, and shall be maintained at not less than this temperature during the time of dipping. The material will thicken and deteriorate after a number of pipes have been dipped; fresh pitch shall, therefore, be frequently added, and occasionally the vessel shall be entirely emptied of its old contents and refilled with fresh pitch.

Section No. 434. Every casting shall attain a temperature of three hundred (300°) degrees Fahrenheit, before being removed from the vessel of hot pitch. It shall then be slowly removed and laid on skids to drip.

To be Inspected Before Dipping.

Section No. 435. No casting shall be dipped until the authorized inspector has examined it as to cleaning and rust, and subjected it thoroughly to the hammer test. It may then be dipped, after which it will be passed to the hydraulic press to meet the required water test. The proper coating shall be tough and tenacious when cold on the pipes, and not brittle or with any tendency to scale off.

Tests.

Section No. 436. The castings must be capable of sustaining a pressure, in the hydraulic press, of three hundred (300) pounds to a square inch, and any casting which shows any defect by leaking, sweating or otherwise, will be rejected. This test shall be made at the foundry, and at the expense of the Contractor.

Weighed and Marked.

Section No. 437. The castings shall be weighed, and the weight distinctly marked on the castings in white paint. The Contractor shall provide at the foundry where the pipes and casting are to be manufactured proper sealed scales and weights for weighing the castings, which shall be done at the expense of the Contractor, under the supervision of the inspector.

Blocking and Wedges.

Section No. 438. Each pipe over eight (8) inches inside diameter, unless otherwise ordered, shall be placed on two (2) blocks and four (4) wedges of hemlock timber, the wedges to rest on the blocks and the pipe on the wedges.

Timber for Blocking.

Section No. 439. The blocks and wedges shall be of sound hemlock timber; 48 and 36-inch pipe shall be laid on blocks 4 feet long, 12 inches wide and 6 inches thick, with wedges 18 inches long, 6 inches wide, 4 inches thick on one end and ½ inch

thick on the other; 30 and 24-inch pipe on blocks 3 feet long, 10 inches wide and 5 inches thick, with wedges 15 inches long, 5 inches wide and 3½ inches thick on one end and ½ inch thick on the other end; 12 and 20-inch pipe on blocks 2 feet long, 8 inches wide and 4 inches thick with wedges 12 inches long, 4 inches wide, 3 inches thick on one end and ½ inch thick on the other.

Joints.

Section No. 440. The spigot end of the pipe shall be inserted into the hub to within from one-fourth (¼) to one-eighth (⅛) of an inch of the full depth of the hub, and the space around the pipe shall be equalized so as to give as nearly as possible an equal space for the packing. The space between the pipe and hub shall be packed with clean, sound jute packing yarn, free from tar, far enough to leave the proper space for lead. The remaining space shall then be filled by running it full of lead to a depth of four (4) inches, with a bead outside of the face of the hub large enough to allow for caulking, so that when the joint is properly caulked the lead will be flush with the hub of the pipe. After the joint shall have been run with lead, it shall be caulked by means of proper tools, so as to make a water-tight joint.

Lead.

Section No. 441. The lead to be used shall be of the best quality of pure, soft lead, and in every respect suitable for the purpose.

Notice of Interruption to be Given.

Section No. 442. In case it becomes necessary to cut any connection with any other main, house or hydrant, or in any way to interfere with the continuous and normal flow of water, due notice shall be sent at least forty-eight (48) hours in advance to the Engineer and to the Commissioner of Water Supply, and the Contractor shall, if so ordered, make a temporary by-pass or other arrangement to preserve the flow of water while breaking connections.

Connections Interfered With.

Section No. 443. All connections cut, interfered with or injured shall be restored under the directions of the Engineer, without delay and in accordance with the rules and regulations of the Department of Water Supply governing such matters, to a suitable condition as good as existed before commencing work.

Stop Cocks, Etc.

Section No. 444. Stop cocks, boxes, branches, curved pipe, and other specials according to the standards of the Department of Water Supply shall be set where necessary.

Section No. 445. For gas pipes, steam pipes, air pipes, mail tubes and any other pipes not herein enumerated, the standard weights and all other requirements shall be in accordance with the standard specifications and requirements of the several owners of such structures.

22

Street Surface and Park Surface Restored.

Pavement to be Restored.

Section No. 446. As soon as the structure in any excavation or trench made within a street shall be completed and the trench backfilled, a temporary pavement shall be laid and maintained in a condition satisfactory to the Engineer; and after the earth shall have become, in the opinion of the Engineer, sufficiently settled, the Contractor shall proceed to restore the surface to a condition similar to, and equally as good as, that existing previous to the commencement of construction; except that the Contractor will not be required to permanently restore the pavement of roadways between curb lines, but shall provide a temporary roadway pavement as follows:

Temporary Roadway Pavement.

Section No. 447. Upon the backfill, placed and compacted as provided under the clauses relating to backfilling, shall be placed a layer of sand, about an inch and a half in thickness, on which shall be laid a pavement of granite blocks carefully laid and rammed to the required finished grade of the street surface. The end and side joints shall be thoroughly filled with sand, and shall not exceed ¾ of an inch in thickness. The granite blocks required for this temporary pavement, if found in or under the original pavement, shall be stored at a suitable place until required for use. In case granite blocks are not found in or under the original pavement, they may be obtained by the Contractor, free of cost, from the Bureau of Highways at the corporation yards.

The Contractor shall maintain the temporary roadway pavement thus laid for a period not exceeding six months from the time of its completion in any one block or street intersection. During this period the Contractor shall, without requiring previous notice, readjust or relay any portion of the pavement wherever and whenever a straight edge 3 feet long, laid in any direction, shows a depression of more than ¾ inch.

All the requirements as to street surface restored, including temporary roadway pavements, shall apply to the trenches for sewers, pipes or other sub-surface structures along or off the line of the Railroad. Within the limits of private property to be taken by the City for the extension of Irving Place, these requirements will not apply.

Other Sidewalks May be Laid.

Section No. 448. Nothing contained in these specifications shall be understood or construed as prohibiting the Contractor from making any arrangement with any property owner to lay another style of sidewalk, or other surface covering within curb lines, in place of the sidewalk or other surface covering taken up; in which case the Contractor shall file with the Commission a copy of his contract with such property owner, duly acknowledged in writing by both parties.

In case any property owner desires to lay a sidewalk, or other surface covering within curb lines, affected by this contract, different from the one removed, and shall notify the Commission in writing that he has failed to make satisfactory arrangements for such work with the Contractor, then the Commission, in its discretion, may direct the Contractor to finish and dress off the filling over his work to such grade as the Engineer may select, and further direct him to remove from the area to be restored all material of whatever nature not required to be relaid, and to permit another contractor to lay such sidewalk or other surface covering; in which case the liability of the Contractor under this contract shall cease, as far as that part of his work is concerned, whenever the Engineer shall report to the Commission that the instructions of the Commission have been complied with, exactly the same as if the Contractor had fully completed the restoration as hereinbefore provided.

Payment for Street Surface Restored.

Section No. 449. Payment for street surface restored will be made as provided in Schedule Item 30-A or B, which prices shall include the cost of restoring all curbs, manhole heads and covers, gratings, vault lights, etc., that formed a part of the original street surface.

Measurements.

Section No. 450. The measurement for payment for street surface restored will be to the net line of ordered excavation.

Outside of Net Lines.

Section No. 451. All other pavement outside of the net lines of ordered excavation, either along or off the line of the Railroad, that may have become damaged, directly or indirectly, as the result of the Contractor's operations, shall be restored by the Contractor at his own cost and expense to a condition similar to and equally good as that existing previous to the commencement of construction.

Parks and Parkways.

Section No. 452. All parks and parkways including trees, shrubbery, etc., as elsewhere provided in this contract and the specifications, are to be restored to the satisfaction of the Department of Parks.

Measurements.

Section No. 453. Measurements for park surface restored are to be to the net lines of ordered excavation.

Payment For.

Section No. 454. Payment for park surface restored will be made at the price provided in Schedule Item 31.

Outside of Net Lines.

Section No. 455. Any damage done outside of the net lines of ordered excavation in connection with the construction of the work to park surfaces or growths, under the jurisdiction of the Department of Parks, shall be restored to the satisfaction of the said Department, and at the Contractor's own cost and expense.

23

Vault Lights, Gratings and Hand-rails.

Vault Lights.

Section No. 456. The roofs of the stations, where under sidewalks, parks or parkways, shall, to as great an extent as possible, consist of vault light construction. These lights shall be made with lenses, not exceeding three (3) inches in diameter, of strong glass set in cement; they shall be provided with non-slipping treads, buttons or other devices all of design approved by the Engineer; and shall be of sufficient strength to carry, when supported in a manner similar to that in which they are to be permanently set, an equally distributed load of at least five hundred (500) pounds per square foot without signs of failure, deformation or permanent set, when such test load is removed. The right is reserved to test at least one (1) frame or panel in every ten (10) as selected by the Engineer. Should the one selected fail, another will be selected by the Engineer; and, it that fail, then the whole lot may be rejected. The vault lights must be set in place with cement, lead or other means to be absolutely waterproof. Any tests required shall be at the Contractor's expense.

Measurement and Payment.

Section No. 457. The area for payment for vault lights shall be to lines not exceeding one (1) foot outside of the inner faces of the supporting walls, and the price paid will be as provided in Schedule Item 29, which price shall include all material and work incidental to the completed vault lights in place.

Steel Gratings.

Section No. 458. Steel gratings shall be provided and placed over fan and other ventilating chambers, over stations and station approaches, at places shown on the plans, or at other places if required by the Engineer. They will be constructed as shown on the detailed plans for gratings.

Measurement and Payment.

Section No. 459. Gratings will be measured to the lines as constructed and payment therefor will be made as herein provided in Schedule Item 28, which price shall include the grating in place in the work, all frames and framing, and all incidental work.

Galvanized Iron Pipe Hand-rails.

Section No. 460. Galvanized iron pipe hand-rails will be placed in the Railroad over the benches containing the ducts. They shall be securely fastened to the wall of the tunnel by means of expansion bolts, and as shown on the contract drawings. Measurements for payment will be per lineal foot of hand-rail in place in the work, complete, and at the price as stipulated in Schedule Item 27.

IV.

SECURITY TO BE FURNISHED BY CONTRACTOR.

Contractor's Bond.

Article XXVII. Simultaneously with the execution of this contract the Contractor shall give security for the performance of his obligation by filing with the Comptroller a bond in the form annexed hereto, entitled, "Form of Bond," executed by the Contractor and by two or more sureties to be corporations or persons approved by the Commission in the sum of fifty thousand ($50,000) dollars. In case any of the sureties upon the bond shall become insolvent or unable in the opinion of the Commission to pay promptly the amount of such bond to the extent to which such surety might be liable, then the Contractor within ten days after notice by the Commission to the Contractor shall, by supplemental bond or otherwise, substitute another and sufficient surety to be approved by the Commission in place of the surety so insolvent or unable. If the Contractor shall fail, within such ten days or such further time as the Commissioner may grant, to substitute another and sufficient surety, then the Contractor shall, for all the purposes of this contract, be deemed to be in default in the performance of his obligations hereunder and upon the said bond, and the Commission may terminate the contract or may bring any proper suit or proceeding against the Contractor and the sureties, or either of them, or may require to be deducted from any moneys then in, or thereafter coming into, the hands of the City and due to the Contractor the amount for which the surety insolvent or unable as aforesaid shall have justified on the bond; and the moneys so deducted shall be held by the Comptroller as collateral security for the performance of the condition of the bond.

Deposit of Cash or Securities.

*Article XXVIII. The Contractor may at his option deposit with the Comptroller in lieu of said bond or of any part thereof, an equal amount in cash or in value of securities. If securities be deposited they shall be securities of which a schedule shall be hereto annexed, entitled Schedule of Securities, and there shall be deposited with them the written approval of the Commission, which it shall give when satisfied as to the character thereof. In case any of the securities so deposited shall, in the opinion of the Commission, at any time cease to be of the character of securities in which the saving banks of the State of New York are then authorized by law to invest moneys, or shall, in the opinion of the Commission, at any time become of less value than the value stated for it or them in the said schedule,—then within ten days after notice to the Contractor of the objection of the Commission, the Contractor shall either substitute therefor securities which shall be approved by the Commission as of the character aforesaid and as being of at least the value of the former securities to which the Commission shall have objected as such value was originally stated in the said schedule, or shall deposit with the Comptroller in cash the amount of such value of such former securities as so originally stated. In case the Contractor shall not within such ten days substitute such new securities, he shall, if the Commission so elect, be deemed to be in default in the performance of his obligations under this contract; and in addition to any and all other remedies against the Contractor or its sureties, the Commission may require the Comptroller to deduct from any moneys then due or which thereafter may become due to the Contractor under this contract, the amount of the original valuation of such securities objected to, and to hold such amount in lieu of such securities, as if part of the original deposit or as if deposited with the Comptroller as aforesaid, and such amount shall in such case be deemed to be paid to the Contractor upon the contract. The securities so objected to shall upon such substitution of securities or deposit of cash in lieu thereof be returned to the Contractor.

The City shall from time to time collect all interest, dividends or other profits or income on any securities deposited by the Contractor, and shall account for the same as hereinafter provided.

Security For.

Article XXIX. The said deposit, whether in cash or securities, in the form and as the same shall at any time be, shall be security for the faithful performance by the Contractor of all the covenants, conditions and requirements specified and provided for in this contract. In case of any default on the part of the Contractor in such performance, and in the further case that the City shall for or by reason of such failure, whether by reason of employment of another contractor or contractors or otherwise, incur or become liable for expense through such default as hereinafter provided, then the Comptroller shall forthwith pay or apply to the use of the City the amount of such expense out of the said deposit in cash or securities or out of the portion of the deposit remaining at the time.

Sale of Securities.

Article XXX. The Comptroller shall, upon the requirement of the Commission, in order to make such payment or application to the use of the City, sell at public auction in The City of New York any of the securities which may then constitute part of such deposit upon notice to be published in three daily newspapers, the first publication to be as much as ten days before the sale and such publication to be made three times within such ten days. Any such sale shall be adjourned from time

*Articles XXVIII to XXXII inclusive will form part of the contract only in case the Contractor elects to deposit cash or securities in lieu of a bond.

to time if requested by the Commission. The Comptroller shall, upon the requirement of the Commission, deduct from the proceeds of any such sale, all expenses thereof and of such advertisement, and pay and apply to the use of the City so much of the residue of such proceeds as may be necessary for the purpose aforesaid. And the Contractor within ten days after notice from the Commission so to do shall (unless the time be extended by the Commission) by further deposit, according to the requirement of the Commission, of money or securities of the character aforesaid approved by the Commission restore the said deposit with the Comptroller to the full amount originally required. In addition to, or in lieu of, the sale above provided for, the Commission may, in the name of and in behalf of the City, bring any appropriate suit or proceeding in any proper court to enforce the lien and claim of the City in and upon the said deposit, whether such deposit be in money or securities.

Retention of Security.

Article XXXI. If at any time when the Contractor shall otherwise be entitled to a return of the said deposit, there shall be pending any claim for damages or loss caused to others by the negligence, fault, or default of the Contractor, for which it shall be claimed that the City shall be liable, then and in that case the said deposit, or such part thereof as the Commission shall prescribe, shall, upon the requirement of the Commission, be reserved by the Comptroller for a reasonable time as security to the City against such claims. And the amount of any such damages or costs paid by the City to others or for which the City shall be liable to others, shall be deducted from the said deposit before the same shall be returned to the Contractor as hereinafter provided.

On Completion of Works.

Article XXXII. When the Contractor shall have fully completed the Works according to the terms of this contract and the Commission shall so certify, the Comptroller shall pay and deliver to the Contractor the said deposit, or so much thereof as shall not have been reserved or used or applied for any of the purposes above mentioned, and the Contractor shall also then be entitled to the payment of a sum which shall be equal, as the case may be, either to the interest on the said deposit (if made in cash) from the time of such deposit at the average rate of interest received by the City on its bank balances during the period of such deposit, or to the interest, dividends or other income which the City shall have received from the said securities, together with interest on any such interest, dividends or other income so received by the City from such securities from the time of its receipt at the average rate of interest received by the City on its bank balances during the period of such deposit. If, however, any of the cash so deposited shall have been used or applied for any of the purposes above mentioned then the Contractor shall not be entitled to credit for interest on the amount of cash so applied from the time of such application.

Retained Percentages.

Article XXXIII. In addition and as further security there shall be deducted fifteen per centum (15%) of the amounts certified from time to time to be due to the Contractor until the amount so deducted and retained shall equal the sum of Two Hundred and Twenty-five Thousand Dollars ($225.000). Thereafter there shall be so deducted and retained for such purpose ten per centum (10%) of amounts certified from time to time to be due to the Contractor.

V.

PAYMENTS TO CONTRACTOR.

Partial Payments.

Article XXXV. In order to assist the Contractor to prosecute the work advantageously, the Engineer shall, from time to time, as the work progresses, but not oftener than once a month, make in writing an estimate, such as in his opinion shall be just and fair, of the amount and value of the work done and materials incorporated in the work by the Contractor according to the terms of this contract (but it is understood that in making such estimates the Engineer shall not necessarily be governed by the unit prices contained in the Contractor's proposal), provided, however, that estimates may at any time be withheld or reduced, if, in the opinion of the Engineer, the work is not proceeding in accordance with the contract. The first such estimate shall be of the amount and value of the work done and materials incorporated in the work since the Contractor commenced the performance of this contract on his part. Every subsequent estimate except the final estimate shall be of the amount and value of the work done and materials incorporated in the work since the last preceding estimate was made, provided, however, that no such estimate shall be required to be made when, in the judgment of the Engineer, the total value of the work done and materials incorporated in the work since the last preceding estimate amounts to less than ten thousand ($10,000.00) dollars. The Engineer shall further include accepted structural iron and steel delivered on the site of the work, but not incorporated in the work, at the rate of forty ($40) dollars per ton of two thousand pounds. But the quantity of such structural iron and steel included in any partial estimate shall not exceed the quantity of such material, as determined by the Engineer, required for the ensuing six months, and any material included in a partial estimate which may subsequently become unsatisfactory shall be deducted from succeeding partial estimates. No materials not incorporated in the work, excepting such structural iron and steel, and none of the Contractor's plant shall be included in partial estimates.

Not by Strict Measurement.

Article XXXVI. Such estimates shall not be required to be made by strict measurement, but they may be made by measurement or by estimation, or partly by one method and partly by the other, and it shall be sufficient if they are approximate only.

Vouchers.

Article XXXVII. Upon each such estimate being made and certified in writing to the Commission, the Commission shall forthwith prepare and certify a voucher for eighty-five or ninety per cent. of the amount stated in such estimate or certificate to be the value of the work done and materials furnished as provided in Article XXXIII, and the City shall within thirty (30) days after the date of the certification of such voucher by the Commission pay the same; provided, however, that the City may at all times reserve and retain from said partial payments, or any of them, in addition to the ten or fifteen per cent. above mentioned to be retained and reserved, any sum or all sums which by the terms hereof, or of any law of the State of New York passed prior to the date hereof, it is or may be authorized to reserve or retain.

Final Estimate.

Article XXXVIII. Whenever, in the opinion of the Engineer, the Contractor shall have completely performed this contract on his part, the Engineer shall so certify, in writing, to the Commission, and in his certificate shall state, from actual measurements, the whole amount of work done by the Contractor, and also the value of such work under and according to the terms of this contract. On the expiration of ninety (90) days after the acceptance by the Commission of the work herein agreed to be done by the Contractor, and the filing of a certificate of the completion and acceptance of the work in the office of the Comptroller, signed by the Engineer and the Commission, the City shall pay to the Contractor the amount remaining after deducting from the amount or value stated in the last-mentioned certificate, all such sums as shall theretofore have been paid to the Contractor under any of the provisions of this contract, and also any sum or all such sums of money as by the terms hereof the City is or may be authorized to reserve or retain; provided, that nothing herein contained shall be construed to affect the right, hereby reserved, of the Commission to reject the whole or any portion of the aforesaid work, should the said certificate be found, or known to be, inconsistent with the terms of this contract, or otherwise improperly given. All prior certificates upon which partial payments may have been made, being merely estimates, shall be subject to correction in the final certificate, which final certificate may be made without notice thereof to the Contractor, or of the measurements upon which it is based.

Interest in Case of Delayed Payments.

Article XXXIX. If the payment of the amount due the Contractor on any voucher shall be delayed beyond the time stipulated in Article XXX, in the case of partial payment, or Article XXXI, in the case of final payment, the City shall pay the Contractor interest on such amount at the rate of four and one-half (4½) per cent. per annum for the period of such delay; it being understood that such payments of interest, if any, are to be in lieu of any claim of the Contractor for alleged damages for breach of contract or otherwise in case of delayed payments. The terms for which interest shall be paid shall be reckoned, in the case of a partial payment from the thirtieth day after the certification of such voucher by the Commission, and in the case of a final payment from the ninetieth day after the acceptance of the work by the Commission, to the date of payment of the voucher. The date of payment of a voucher shall be considered the day on which the voucher is ready for payment as evidenced by the records of the Department of Finance. If interest shall become due on any partial payment the amount thereof, as determined by the Commission, shall be added to a succeeding payment. If interest shall become due on a final payment it shall be paid on a supplementary voucher prepared by the Commission and forwarded to the Comptroller for payment in the usual manner.

No Estoppel.

Article XL. The City shall not, nor shall any Department or officer thereof, be precluded or estopped by any return or certificate made or given by the Commission, any Engineer, or other officer, agent or appointee thereof under any provision of this contract, from at any time either before or after the final completion and acceptance of the work and payment therefor pursuant to any such return or certificate, showing the true and correct amount, quality and character of the work done and materials furnished by the Contractor or any other person under this agreement, or from showing at any time that any such return or certificate is untrue and incorrect or improperly made in any particular, or that the work and materials, or any part thereof, do not in fact conform to the specifications; and the City shall not be precluded or estopped, notwithstanding any such return or certificate and payment in accordance therewith, from demanding and recovering from the Contractor such damages as it may sustain by reason of his failure to comply with this contract or the specifications.

No Waiver.

Article XLI. Neither the acceptance of the Commission or its Engineer, or any of its employees, nor any order, measurement or certificate by the Engineer, nor any order by the Commission for payment of money, nor any payment for, nor acceptance of the whole or any part of the work by the Engineer or the Commission, nor any extension of time, nor any possession taken by the Commission, or its employees, shall operate as a waiver of any portion of this contract or of any power herein reserved to the Commission, or any right to damages herein provided; nor shall any waiver of any breach of this contract be held to be a waiver of any other or subsequent breach.

Final Payment to Terminate Liability of City.

Article XLII. The acceptance by the Contractor of the last payment aforesaid shall be and shall operate as a release to the City, from all claim and liability to the Contractor for anything done or furnished for, or relating to, the work, or for any act or neglect of the Commission, the City or of any person relating to or affecting the work, except only the claim against the City for the remainder, if any there be, of the amounts kept or retained as provided in this contract.

Contractor's Claims for Damage.

Statements of Damage to be Filed with Engineer.

Article XLIII. If the Contractor shall claim compensation for any damage sustained by reason of the acts of the Commission, or its agents, he shall, within ten days after the sustaining of such damage, make a written statement of the nature of the damage sustained to the Engineer. On or before the fifteenth day of the month succeeding that in which any such damage shall have been sustained, the Contractor shall file with the Engineer an itemized statement of the details and amount of such damage, and unless such statement shall be made as thus required, his claim for compensation may be forfeited and invalidated, and he shall not be entitled to payment on account of any such damage.

Lien Law.

Article XLIV. If at any time before or within thirty days after the whole work agreed herein to be performed and all the labor and material herein agreed to be delivered have been performed or delivered or completed and accepted by the City any person or persons claiming to have performed any labor or furnished any material toward the performance or completion of this contract shall file with the Commission and with the Comptroller of the City any such notice as is described in the Lien Law, the City shall retain until the discharge thereof from moneys under its control so much of such moneys as shall be sufficient to satisfy and discharge the amount in such notice claimed to be due, together with the costs of any action or actions brought to enforce such lien created by the filing of such notice.

VI.

CONTRACTOR'S LIABILITY FOR INJURIES TO PERSONS OR PROPERTY.

Contractor Approves Plans as Involving no Damage.

Article XLV. The Contractor expressly admits and covenants to and with the City that the plans and specifications and other provisions of this contract, if the work be done without fault or negligence on the part of the Contractor, do not involve any danger to the foundations, walls or other parts of adjacent buildings or structures or to navigation; and the Contractor will at his own expense make good any damage that shall, in the course of construction, be done to any such foundations, walls or other parts of adjacent buildings or structures or to navigation. The liability of the Contractor under this covenant is absolute and is not dependent upon any question of negligence on his part, or on the part of his agents, servants or employees and the neglect of the Engineer to direct the Contractor to take any particular precautions or to refrain from doing any particular thing, shall not excuse the Contractor in case of any such damage. Where the work is required to be done by tunneling the same admission and covenant shall also apply to the foundations, walls and other parts of buildings and to any railroad track or structure, subway, street, conduit, pipe, sewer or other structure or surface over the tunnel. But this admission and covenant shall not apply to the foundations, walls or other parts of buildings or any part thereof acquired by the City and which the Engineer may determine should be razed.

Traffic to be Maintained.

Article XLVI. The Contractor shall during the performance of the work safely maintain the traffic on streets, avenues, highways, parks, waters or other public places as provided in the specifications, and shall take all necessary precautions to place proper guards for the prevention of accidents, and put up and keep at night suitable and sufficient lights.

Indemnification for Accidents, Etc.

Article XLVII. The Contractor shall be solely responsible for all physical injuries to persons or property occurring on account of and during the performance of the work hereunder, and shall indemnify and save harmless the City from liability upon any and all claims for damages on account of such injuries to persons or property, and from all costs and expenses in suits which may be brought against the City for such injuries to person or property; it being distinctly understood, stipulated and agreed that the Contractor shall be solely responsible and liable for and shall fully protect and indemnify the City against all claims for damages to persons or property occasioned by or resulting from blasting or other methods or processes in the work of construction whether such damages be attributable to negligence of the Contractor or his employees or otherwise.

Money Due the Contractor May Be Retained to Meet Claims.

Article XLVIII. In case any claim shall be made by any person or corporation against the Contractor or the City for loss or damage to person or property as aforesaid, the amount of such claim or so much thereof as the Commission shall deem reasonable, shall, upon the requirement and in the discretion of the Commission, be retained by the Comptroller out of any moneys thereafter growing due to the Contractor hereunder (in addition to the other sums hereinbefore authorized to be so retained), as security for the payment of such claim or claims. If and when the liability of the City or the Contractor on such claim or claims shall have been established by a judgment of a Court of competent jurisdiction, or shall have been admitted by the Contractor to be valid, the said claim or claims shall be paid from the amount so retained and the balance, if any, paid to the Contractor. Should there be any unsatisfied claims for injuries to persons or property at the time when the final estimate for the work is made and returned, the Engineer shall have the right to retain out of said final estimate a sum in his judgment sufficient to protect the City in regard to all unsatisfied claims as aforesaid and in case the amount thus retained should be insufficient to pay the amount adjudicated to be due upon such claim the City may sue for and recover from the Contractor the amount or balance as a debt from the Contractor to the City. The Engineer may further, if in his judgment such a course

is necessary, at the time of making the final estimate, and as a condition to making the same, require the Contractor to continue his bond or other security or any part thereof, for a time not exceeding the time when such claims would be barred under the existing Statute of Limitations, as security against any claims then unsatisfied or not presented.

Examinations of Abutting Property.

Article XLIX. In order to safeguard the owners or tenants of abutting property and at the same time prevent unjust or fraudulent claims against the Contractor or the City in respect thereto, the Engineer shall cause a detailed examination of all adjacent or abutting property to be made before construction is begun. The owner, or tenant of each parcel or his or their duly authorized representative, shall be invited by a notice in writing delivered to a person apparently in charge of the premises, to be present, and the Contractor, or his duly authorized representative, shall attend and with the Engineer shall make such detailed examination. A complete record of the existing conditions of each parcel shall be made in triplicate, signed by the Engineer and the Contractor, and one copy shall be delivered to the owner, one to the Contractor and one shall be retained by the Commission. At such times as the Engineer may direct, and upon the completion of the work, or upon notice to the Engineer by the owner or tenant that physical injury has occurred, further examination shall be made and the findings recorded and filed as above.

Damage to Works During Construction.

Article L. All risk of loss or damage to the Works, or to any part thereof, or to any of the materials, tools, implements or other things used in doing the work, prior to final completion, is assumed and shall be borne by the Contractor, and any such loss or damage shall be made good by the Contractor at his own cost, and the construction shall be carried forward by him in accordance with this contract, without additional cost to the City by reason of such loss or damage.

VII.

City to Secure Contractor Against Interference by Injunctions to Acquire Real Estate, Etc.

City's Assurances to Contractor of Right to Construct.

Article LI. The City hereby stipulates and covenants to and with the Contractor that the City will secure and assure to the Contractor so long as the Contractor shall perform the stipulations of this contract, the right to construct the Railroad as prescribed in this contract free of all right, claim or other interference, whether by injunction, suit for damages or otherwise, on the part of any owners, abutting owner, or other person; but not including any interference, legal or otherwise, by patentees or persons claiming to be patentees of tools, methods or appliances.

Claims for Infringement of Patents.

Article LII. The Contractor shall hold itself responsible for any claims made against the City for any infringement of patents by the use of patented articles in the performance and completion of the work, or of any process connected with the work agreed to be performed under this contract, or of any materials used upon the said work; and shall save harmless and indemnify the City for all costs, expenses and damages which the City shall be obliged to pay by reason of any infringement of patents used in the performance and completion of the work.

Acquisition of Real Estate.

Article LIII. The City will acquire all such real estate and rights of way or other rights, terms, franchises, easements and privileges therein which, in the opinion of the Commission, it shall be necessary to acquire or extinguish for the purpose of constructing the Works free of interference or right of interference; provided, however, that this covenant shall not apply to or include any damages for physical injuries to property referred to in Chapter VI. hereof, whether or not compensation for such damages be awarded in a condemnation proceeding. If compensation for any such damages shall be included in an award in condemnation proceedings the Contractor shall, upon demand, promptly reimburse the City for any payments made by it for such purposes

VIII.

Time for Completion, Damages for Delay, Etc.

Commencement and Completion of Work.

Article LIV. Time is of the essence of this contract. The Contractor shall begin actual work within sixty (60) days after the delivery of this contract. The entire work covered by this contract shall be completed in all respects within forty (40) months from the date of the delivery of this contract.

Price to be Reduced for Delay.

Article LV. In the event of delay in completion of the Works beyond the period herein prescribed, or beyond the period to which such time may be extended by resolution of the Commission for good cause shown, the City shall—whether the working force be increased as provided in the specifications or not—be paid damages for such delay. Inasmuch as the amount of such damages will be extremely difficult to ascertain, especially in view of the fact that the Railroad herein contracted for is only a part of a complete system, the remainder of which is to be constructed under other contracts, it is hereby expressly agreed that damages shall be liquidated and paid by reducing the price to be paid the Contractor as follows: From the amounts which shall become payable to the Contractor after the expiration of the periods above limited (but not including the retained percentages from amounts theretofore certified to be due) there shall be deducted and retained by the City the following percentages: From the amount due for the first month after the expiration of such periods one (1) per centum thereof; from the amount due for the second month after the expiration of such periods two (2) per centum thereof; from the amount due for the third month after the expiration of such periods three (3) per centum thereof; from the amount due for the fourth month after the expiration of such periods four (4) per centum thereof; similarly from any amounts which may subsequently become due there shall be deducted a percentage, the rate of which shall equal the number of months which may have elapsed between the expiration of the periods above limited and the time when such payments shall become due. These amounts shall be deducted and retained by the City and are hereby agreed upon and determined as the measure of liquidated damages (and not as a penalty) to the City. But in case the Contractor shall be delayed by reason of any labor strike not caused or instituted or provoked by the Contractor, or by any sub-contractor, agent or representative of the Contractor (which fact the Contractor shall prove to the satisfaction of the Commission), or in case the Contractor shall be delayed by any injunction or by any interference of public authority, and in case the Contractor cannot, notwithstanding such injunction or interference, with reasonable diligence make up for the delay so occasioned by speedier work when the Contractor shall not be so interfered with, then the said date for completion shall be extended by resolution of the Commission to a date later than the expiration of the said period by the amount of the time of such delay.

Commission May Intervene in Case of Injunction.

Article LVI. But no injunction, strike or interference of public authority shall be ground for such extension except if and from the time when the Contractor shall give the Commission notice of the injunction or other cause of delay, with copies of the injunction or other orders and of the papers upon which the same shall have been granted. The Commission and the City or either shall be accorded the right to intervene or become a party to any suit or proceeding in which any such injunction shall be obtained, and to move to dissolve the same or otherwise, as the Commission or City may deem proper. If necessary the Corporation Counsel or the Counsel to the Commission or both shall be authorized by the Contractor to appear, for that purpose, as counsel or attorneys for him.

In Case of Variation of Quantities.

Article LVII. The time stipulated within which to complete Works is based upon the quantities of the various items entering into the work as stated in the form of proposal, which are given solely for the purpose of classifying bids. In case these quantities are exceeded or diminished then an extension or diminution of the term of this contract shall be made. It is, however, understood and agreed that in case an increase in any one item is balanced or offset by diminution of other items, no change in the term shall be made, and in any event the Engineer shall determine the amount of extension or diminution of time in respect of the relative increase or reduction in the quantities involved in the final completion.

Suspension of Work and Additional Time for Performance.

Article LVIII. The Commission reserves the right of temporarily suspending the execution of the whole or any part of the work herein contracted to be done, if it shall deem it for the interest of the City so to do, without compensation to the Contractor for such suspension, other than extending the time for completing the work as much as it may have been delayed by such suspension.

Time for Completion to be Extended in Case of Delay in Acquiring Real Estate.

Article LIX. In case the Contractor shall at any time give notice to the Commission that any real estate is necessary under this contract for any of the purposes specified above, which notice shall give a brief description of such real estate, the Commission shall (if it finds that such necessity exists) begin and conduct with diligence, proceedings to acquire the real estate described; and in case the Commission shall fail to put the Contractor in possession of such real estate within three (3) months from the date of the delivery of such notice the Commission shall allow the Contractor so much additional time wherein to perform and complete this contract on his part as the Engineer shall certify in writing to be just, but no allowance by way of damages shall be made for such delay.

Extensions Not Cumulative.

Article LX. It is expressly understood, however, that the periods of extension referred to herein shall not be cumulative, but only the single period of delay giving the greatest extension shall be taken into consideration.

Permission to Complete Contract Not a Waiver.

Article LXI. The permitting of the Contractor to go on and finish the work, or any part of it, after the time fixed for its completion, or after the date to which the time for completion may have been extended, or the making of partial payments to the Contractor after any such periods, shall in no wise operate as a waiver on the part of the City of any of its rights under this contract.

IX.

Remedies in Case of Contractor's Default.

In Case of Default.

Article LXII. If the work to be done under this contract shall be abandoned by the Contractor, or if this contract shall be assigned, or the work sublet by him, otherwise than as herein specified, or if at any time the Engineer shall be of the opinion, and shall so certify in writing to the Commission that the performance of the contract is unnecessarily or unreasonably delayed, or that the Contractor is wilfully violating any of the provisions or covenants of this contract, or of the specifications, or is executing the same in bad faith or not in accordance with the terms thereof, or if the work be not fully completed within the time named in this contract for its completion, or within the time to which the completion of the contract may be extended by the Commission, the Commission may

May Take Charge of Work, or Proceed Upon Bond, or May Bring Suit.

(1) Notify the Contractor, by a written notice, to discontinue all work, or any part thereof, under this contract, and thereupon the Contractor shall discontinue the work, or such part thereof, and the Commission shall thereupon have the right to contract for the completion of the Works in the manner prescribed by law, or to place such and so many persons as it may deem advisable, by contract or otherwise, to work, and complete the work herein described, or such part thereof, to take possession of and use any or all of the materials, plant, tools, equipment, supplies and property of every kind provided by the Contractor for the purpose of his work, and to procure other materials for the completion of the same, and to charge the expense of said labor and materials to the Contractor. The expense so charged shall be deducted and paid by the City out of such moneys as may be due or may at any time thereafter grow due to the Contractor under and by virtue of this contract, or any part thereof. And in case such expense shall exceed the amount which would have been payable under the contract if the same had been completed by the Contractor, he shall pay the amount of such excess to the City; and in case such expense shall be less than the amount which would have been payable under this contract if the same had been completed by the Contractor, he shall forfeit all claim to the difference; and when any particular part of the work is being carried on by the Commission, by contract or otherwise, under the provisions of this article of the contract, the Contractor shall continue the remainder of the work in conformity with the terms of this contract, and in such manner as in nowise to hinder or interfere with the persons or workmen employed, as above provided, by the Commission, by contract or otherwise, to do any part of the work, or to complete the same under the provisions of this article of the contract. And

(2) The City may also proceed as to the Commission shall seem proper upon the Bond or other security in its possession. And

(3) The City may also bring any suit or proceeding for specific performance or for injunction or to recover damages or to obtain any relief or for any purpose proper under this contract.

X.

Miscellaneous Provisions.

Changes in the Contract.

Article LXIII. No correction or change in this contract shall be made except by written instrument duly authorized by the Commission and consented to by the Contractor and by the sureties upon his bond; but this provision shall not limit or affect the right to prescribe variations whether of construction or location of route as in this contract elsewhere provided.

Members of Commission Not Liable.

Article LXIV. No claim shall be made by the Contractor against any member of the Commission personally by reason of this contract or of any of its articles or provisions.

Contractor Not to Assign, Sublet, Etc.

Article LXV. The Contractor shall not assign, transfer, convey, sublet or otherwise dispose of this contract or his right, title or interest in or to the same or any part thereof without the previous consent in writing of the Commission, and he shall not assign by power of attorney or otherwise any of the moneys to become due and payable under this contract unless by and with the like consent. If the Contractor shall without such previous written consent assign, transfer, convey, sublet or otherwise dispose of this contract or of his right; title or interest therein or any of the moneys to become due under this contract, to any other person, company or corporation, this contract may at the option of the Commission be revoked and annulled and the City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor and to his assignee or transferee; and no right under this contract or to any money to become due hereunder shall be asserted against the City in law or in equity by reason of any so-called assignment of this contract or any part thereof or of any moneys to grow due hereunder unless authorized as aforesaid by the written consent of the Commission; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors made pursuant to the statutes of the State of New York.

Provisions in Case Commission Ceases.

Article LXVI. In case the Commission shall cease to exist the Legislature may provide what public officer or officers shall exercise the powers and duties of the Commission under and by virtue of this contract; and in default of such provision, such powers and duties shall be deemed to be vested in the Mayor of the City. In case any officer or officers other than the Commission shall hereafter have the powers of the Commission or any of them, then the provisions of this contract shall be applicable to such officer or officers to the extent to which the powers of the Commission shall appertain to such officer or officers, and any official act or determination of such officer or officers or of this Commission shall be sufficient hereunder, anything to the contrary notwithstanding, if the same be done or had by lawful vote or resolution or in such manner as the Legislature may from time to time prescribe.

Labor Law.

Article LXVII. The Contractor agrees to comply with the provisions of the Labor Law, including Section three thereof as re-enacted by Chapter 36 of the Laws of 1909. The Contractor further agrees and stipulates that no laborer, workman or

mechanic in the employ of the Contractor, sub-contractor or other person doing or contracting to do the whole or a part of the work contemplated by this contract, shall be permitted or required to work more than eight hours in any one calendar day, except in cases of extraordinary emergency caused by fire, flood or danger to life or property; and further that the wages to be paid for a legal day's work as hereinbefore defined to all classes of such laborers, workmen or mechanics upon the work contemplated by this contract or upon any material to be used upon or in connection therewith, shall not be less than the prevailing rate for a day's work in the same trade or occupation in the Borough of the City, where the work hereby contemplated, about or in connection with which such labor is performed, is in its final or completed form to be situated, erected or used; and that each such laborer, workman or mechanic employed by the Contractor or by any sub-contractor or other person on, about or upon the work contemplated by this contract, shall receive such wages herein provided for. This contract shall be void and of no effect, unless the Contractor shall comply with the provisions of this section. In obedience to the requirements of Section Fourteen of the Labor Law it is further provided that if the provisions of the said Section Fourteen are not complied with, this contract shall be void.

All Necessary Legal Provisions Deemed Inserted Herein.

Article LXVIII. It is the intent and understanding of the parties to this agreement that each and every provision of law required to be inserted in this contract should be and is inserted herein. Furthermore, it is hereby stipulated that every such provision is to be deemed to be inserted herein; and if, through mistake or otherwise, any such provision is not inserted or is not inserted in correct form, then the contract shall forthwith, upon the application of either party, be amended by such insertion so as to comply strictly with the law, and without prejudice to the rights of either party hereunder.

Provision in Case of Unlawful Provision.

Article LXIX. If this contract contains any unlawful provision not an essential part of the general structure of the contract and which shall not appear to have been a controlling or very material inducement to the making thereof the same shall be deemed of no effect, and shall upon the application of either party, be struck from the contract without affecting the binding force of the contract as it shall remain after omitting such provision.

In witness whereof, this contract has been executed for The City of New York by the Public Service Commission for the First District under and by resolution duly adopted by the Commission and the seal of the Commission has been hereto affixed and attested by its Secretary and these presents have been signed by its Chairman; and the Contractor has * hereunto set his hand and seal the day and year first above written.

PUBLIC SERVICE COMMISSION OF THE FIRST DISTRICT,

By.....Chairman.

[SEAL.]
Attest: .....Secretary.

State of New York, County of New York, ss.:

On the day of , 1911, before me personally appeared William R. Willcox and Travis H. Whitney, to me known and known to me to be, the said William R. Willcox, the chairman, and the said Travis H. Whitney, the secretary of the Public Service Commission for the First District; and the said William R. Willcox and Travis H. Whitney being by me duly sworn, did depose and say, each for himself and not the one for the other, the said William R. Willcox, that he resides in the Borough of Manhattan, in the City, County and State of New York, that he is the chairman of the said Commission and that he subscribed his name to the foregoing contract by virtue of the authority thereof; and the said Travis H. Whitney, that he resides in the Borough of Brooklyn, in the County of Kings, City and State of New York, that he is the secretary of the said Commission and that he subscribed his name thereto by like authority; and both the said William R. Willcox and Travis H. Whitney that they know the seal of the said Commission and that the same was affixed to the foregoing instrument by the authority of the said Commission and of a resolution duly adopted by the same.

State of New York, County of New York, ss.:

On this day of , 1911, before me personally came Patrick McGovern, to me known and known to me to be the individual described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same.

State of New York, County of New York, ss.:

On this day of , 1911, before me personally appeared to me known, who, being by me first duly sworn, did depose and say: That he resided in , in the State of ; that he is of , the corporation described in and which executed the foregoing instrument; that he knew the corporate seal of said company; that one of the seals affixed to said contract was such corporate seal, and that it was affixed thereto by order of the Board of Directors of said company, and that he signed his name thereto by like authority.

FORM OF CONTRACTOR'S BOND—CONSTRUCTION OF A PART OF PROPOSED RAPID TRANSIT RAILROAD, ROUTE NO. 5, SECTION NO. 9.

Form of Contractor's Bond.

Route No. 5, Section No. 9.

Know all Men by these Presents, That
of
hereinafter called the Contractor and
and
hereinafter called the Sureties are held and firmly bound unto The City of New York, hereinafter called the City in the sum of fifty thousand dollars ($50,000) lawful money of the United States of America, to be paid to the City, for which payment well and truly to be made the Contractor and the Sureties do hereby bind themselves and their, and each of their, executors, administrators, successors and assigns firmly by these presents, as follows: The Contractor to be so held and bound for the full amount of the said sum of fifty thousand dollars ($50,000) and each of the said Sureties to be so held and bound only for a portion of said sum as follows:
The said
for the sum of
dollars ($); the said
for the sum of
dollars ($); the said
for the sum of
dollars ($); the said
for the sum of
dollars ($).

In witness whereof, The Contractor and the Sureties have hereunto set their hands and seals and such of them as are corporations have caused their respective seals to be hereto affixed and these presents to be attested by the proper officers, this day of 1911.

Whereas, The City by the Public Service Commission for the First District (hereinafter called the Commission) is about to enter into a contract with the Contractor bearing even date herewith for the construction of that portion of a Rapid Transit Railroad known as Section 9 of Route 5 in Lexington avenue, and extending from Sixty-seventh street to Seventy-ninth street, in the Borough of Manhattan, in the City of New York more particularly described in the said contract; and

Whereas, The City is about to enter into such contract with the Contractor upon the condition, and not otherwise, that this bond shall be given to the City, and upon the faith thereof.

Now, therefore, the condition of the foregoing obligation is such that if the Contractor shall fully perform the said contract, then this obligation shall be null and void, but else it shall remain in full force and virtue.

It is expressly agreed, between the City and the Sureties (and it is upon such agreement that the City accepts this Bond) that the Sureties will and do waive any and every notice of default on the part of the Contractor; that they will and do permit the City to extend the time of the Contractor to make any payment or do any act; that no omission on the part of the City to give any notice of extension of time granted by or on behalf of the City shall be availed of by the Sureties or any of them as a defense upon this Bond; that the Sureties shall not set up or have any defense upon this Bond by reason of any alteration of the said contract unless such alteration shall be represented by a formal written instrument duly executed between the City and the Contractor which shall have been duly authorized by a vote of the Commission; and that in case of such alteration, however made, the same shall be a defense to the Sureties only to the extent of the actual injury or damage caused to the Sureties by said alteration.*

*If the contractor is an individual, use the words enclosed in the first bracket; if a corporation, use the words enclosed in the second bracket.

FORM OF CONTRACTOR'S PROPOSAL FOR CONSTRUCTION OF A PART OF A RAPID TRANSIT RAILROAD, PORTION OF LEXINGTON AVENUE ROUTE, ROUTE NO. 5, SECTION NO. 9.

CONTRACTOR'S PROPOSAL

For the Construction of a Portion of a Rapid Transit Railroad.

Route No. 5, Section No. 9.

NOTICE—*Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto:*

Copy of Invitation to Contractors
Copy of Form of Contract
Copy of Form of Bond

To the Public Service Commission for the First District:

1. The undersigned† do hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section No. 9 of Route No. 5, and to furnish all necessary labor, materials, mahinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This column not to be used by Bidder. Amount.
1	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yd.	.....	107,300	.....
2a	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yd.	.....	18,700	.....
3	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yd.	.....	30,200	.....
3a	For rock excavation for sewers and pipes, including the disposal of it, etc., per cubic yd.	.....	600	.....
4	For underpinning buildings, including all incidental work and material, per lineal front ft. of building underpinned as follows:			
	(a) For buildings less than seven stories in height per front ft.	.....	900	.....
	(b) For buildings from seven to twelve stories in height, per front ft.	.....	0	.....
	(c) For buildings over twelve stories in height, per front ft.	.....	0	.....
5	For tunnel excavation, including disposal of material, timbering, etc., per cubic yd.	.....	52,900	.....
6	For concrete masonry in place, per cubic yd.	.....	33,000	.....
7	For protective concrete masonry in place outside of waterproofing, per cubic yd.	.....	2,160	.....
8	For rubble stone masonry in place, per cubic yd.	.....	3,270	.....
9	For brick masonry, in place, per cubic yd.	.....	2,750	.....
10	For hollow terra cotta brick masonry, in place, per cubic yd.	.....	0	.....
11	For grout of Portland cement, per barrel of Portland cement used.	.....	2,000	.....
14	For broken stone or gravel, in place, other than that used in concrete, per cubic yd.	.....	30	.....
15	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yd.	.....	5,640	.....
	(b) For 2-ply, per square yd.	.....	100	.....
	(c) For 3-ply, per square yd.	.....	15,700	.....
	(d) For 4-ply, per square yd.	.....	100	.....
	(e) For 5-ply, per square yd.	.....	100	.....
	(f) For 6-ply, per square yd.	.....	100	.....
16	For waterproofing, brick laid in asphalt mastic, in place, per cubic yd.	.....	700	.....
17	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal ft.	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal ft.	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal ft.	.....	5,830	.....
	(d) For 6-inch vitrified pipe, per lineal ft.	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal ft.	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal ft.	.....	0	.....
	(g) For 6-inch cast-iron pipe, per lineal ft.	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal ft.	.....	6,620	.....

*The execution of the bond must be duly proved before delivery in the form essential to proof to entitle a deed to record in the State of New York. Full affidavits of justification of sureties must be added.

†The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If it be a foreign corporation, proof must also be submitted of its authority to transact business in the State of New York. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This column not to be used by Bidder. Amount.
18	For tunnel ducts, in place, as required by Section No. 292 of the specifications, per duct ft.	.....	480,500	.....
19	For riveted steel, painted and erected, per ton of two thousand pounds	.....	830	.....
20	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	950	.....
21	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	660	.....
24	For cast iron columns erected and painted, per ton of two thousand pounds	.....	65	.....
25	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds.	.....	70	.....
26	For wire mesh, in place, per pound	.....	100	.....
27	For one and one-half-inch (1½-in.) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal ft.	.....	10,100	.....
28	For steel gratings for ventilation, in place, including frames, etc., per square ft.	.....	7,400	.....
29	For vault lights, in place, per square ft.	.....	1,930	.....
30	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yd.	.....	2,530	.....
	(b) For temporary repavement and maintenance of roadways, per square yd.	.....	15,800	.....
32	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths-inch (¾-in.) wrought-iron, per lineal ft.	.....	11,730	.....
	(b) For one and one-half-inch (1½-in.) wrought-iron, per lineal ft.	.....	480	.....
	(c) For two-inch (2-in.) wrought-iron, per lineal ft.	.....	260	.....
	(d) For two-inch (2-in.) fibre, per lineal ft.	.....	260	.....
33	For cast-iron outlet boxes in place, in stations, each	.....	430	.....
34	For six-inch (6-in.) cast-iron pipe and fittings, including specials ("extra heavy"), in place, in stations, per lineal ft.	.....	550	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-Iron Pipe, Items 37 to 43.			
38	For 15-inch vitrified pipe sewer, per lineal ft.	.....	3,000	.....
39	For 18-inch vitrified pipe sewer, per lineal ft.	.....	550	.....
42	For cast-iron sewer pipe (straight pipe), in place in the work, per ton of two thousand pounds	.....	.....	.....
	Egg-Shaped Brick or Concrete Sewers, Items 44 to 51.			
45	For 3 ft. 6 in. x 2ft. 4 in., per lineal ft.	.....	1,300	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete, Items 52 to 66.			
60	For 6 ft. 0 in., per lineal ft.	.....	1,210	.....
62	For 6 ft. 6 in., per lineal ft.	.....	250	.....
	SURFACE AND SUB-SURFACE STRUCTURES, ITEMS 75 AND 76.			
75	For street surface railroads, including the support, re-construction, re-building, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	6,200	.....
	(b) For horse railroads, per lineal foot of single track	.....	0	.....
	PIPES IN STREETS, ITEMS 77 TO 126.			
	For Work and Material as Called for by Section No. 63 of the Specifications.			
	Water and Gas Pipes, Items 77 to 108.			
	Water Pipes. Items 77 to 88.			
	For water pipes in place, as follows:			
78	For 4-inch water pipe, per lineal ft.	.....	100	.....
79	For 6-inch water pipe, per lineal ft.	.....	360	.....
82	For 12-inch water pipe, per lineal ft.	.....	1,055	.....
83	For 16-inch water pipe, per lineal ft.	.....	60	.....
	Gas Pipes, Items 89 to 99.			
	For gas pipes in place, as follows:			
90	For 4-inch Gas pipe, per lineal ft.	.....	330	.....
91	For 6-inch gas pipe, per lineal ft.	.....	1,530	.....
92	For 8-inch gas pipe, per lineal ft.	.....	1,050	.....
94	For 12-inch gas pipe, per lineal ft.	.....	950	.....
96	For 20-inch gas pipe, per lineal ft.	.....	400	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe, Items 100 and 101.			
100	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	30	.....
101	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	8	.....
	Air Pipes, Items 121 to 124.			
	For air pipe in place, as follows:			
122	For 8-inch air pipe, per lineal ft.	.....	1,150	.....
124	For new 8-inch air pipe, delivered on the work, per lineal ft.	.....	100	.....

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This column not to be used by Bidder. Amount.
	DUCTS IN STREETS. *Electric Ducts and Conduits in Streets.* (Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a).			
127	For electric ducts and conduits in place, as provided in Section No. 64 of the specifications, per duct ft.	.....	155,300	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract *a bond in the sum of fifty thousand dollars* ($50,000) *in the form hereto annexed with the following named Sureties, viz.:**

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No. on the floor of the building No. in the Borough of in the City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand dollars ($15,000). If the Commission shall notify the undersigned that the Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered or make the said deposit in cash or securities; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered or make the said deposit in cash or securities, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except†

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the 1911

Affidavit of Verification.

City and County of New York, State of New York, ss.:

being duly sworn, says: I am‡ the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this day of , 1911.

Schedule of Securities.

(Note—If the bidder desires not to give a bond, but to deposit securities in lieu thereof, a description of the securities to be deposited for that purpose must be inserted below.

All securities when delivered must be payable to, or run in favor of, or be transfered to, the Comptroller of The City of New York.)

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, December 30, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—Under date of December 8, 1911, the Public Service Commission of the First District transmitted to the Board of Estimate and Apportionment for its consent the contract for the construction of Section No. 9, Route No. 5, being that portion of the Lexington avenue route extending under Lexington avenue from a point about fifty feet north of the centre line of 67th street to a point about seventy feet south of the centre line of 79th street, Manhattan. Attached to the contract was a communication duly signed, sealed and attested, requesting the Board of Estimate and Apportionment to consent to the award of contrat herewith transmitted, to prescribe a limit to the amount of bonds available to meet the requirements of the contract, and also to direct the Comptroller to issue bonds to the amount of $1,961,997.

This section of the subway will have four tracks, two in deep tunnel in rock, under two nearer the surface. Stations are planned at East 68th, East 69th and at East 77th streets.

Only one bidder put in a price on this work on a previous advertisement. The bid was for $2,447,479.70, or about $485,000 higher than the present bid. The plans were re-drawn to the reduced section and the new advertisement brought eleven bidders, among whom the old bidder stood eighth, at a price nearly $200,000 higher than his first.

This is the first contract that covers a previously advertised shection, so that now it is possible to determine the relative savings due to change in design and to the effect of the increased competition due to re-advertisement.

Had the first contract been awarded, as have been the others, and the City paid for the reduced quantities of the new design at those contract prices, the cost of this section would have been $2,337,086. It is now to pay $1,961,997, or about $375,089 less, equaling 15 per cent. of the original total contract price. This saving is wholly due to re-advertisement.

The saving in design, as obtained by applying the old and new prices to the respective units of the two lists of quantities, shows values of $110,000 and $117,000 on the basis of the two contractors' figures, or only about 4.6 per cent. of the original total contract price.

Therefore, since the original and only bidder on this section was the successful one on five others, and has been awarded these contracts, aggregating nearly $17,500,000, the City's interests probably would have been better conserved by readvertisement.

The contract form now submitted differs in some particulars from the old one formerly bid on. Instead of 10 per cent. being retained on partial payments, till the completion of the work, it is provided that 15 per cent. shall be retained until the

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*The bidder may, under the Rapid Transit Act, deposit cash or approved securities, in lieu of a bond; and the bidder, if desirous of so doing, may so state here, and strike out the words in italics.

†Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

‡If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of "; if a corporation, say "the (President or other officer duly authorized) of the Company."

amount so retained equals $225,000. Thereafter 10 per cent. from the amounts certified is to be deducted.

The time fixed for the completion in this contract is forty months, as compared with forty-two months formerly. At a uniform rate of progress per month, $49,000 worth of work would be done monthly in one case and $47,000 in the other. By the new scheme of percentage retention, $225,000 would be accumulated in thirty months. By the old straight 10 per cent. scheme, within the same period only $141,000 would have been retained, or $84,000 less, for the remaining contract period. This is to the contractor's disadvantage, except that, in the estimation of the Commission, this loss is more than offset by the reduction of bond from $300,000 to $50,000 and the permission now first given to the contractor (Article XXVIII) to deposit cash or securities in lieu of this amount. He is also assured of interest thereon, however, only to the extent of what the City will secure on re-deposit.

On the hundreds of millions of contract works undertaken annually by the City the retention of 15 or 10 per cent. on all, to cover possible contingencies that actually ensue on but very few, adds considerably to the costs of City work beyond any necessities of the case. I am of the opinion that it would be mutually advantageous to both City and contractor, if on such work as this and on City work generally, it were provided by the contract that payments on estimates would be made in full, or to the nearest multiple of a corporate stock issue, if the contractor deposited with the Comptroller corporate stock to that amount, that stock to be the property of the City until the work shall be finally completed. Under such conditions, the contractor would gain his ready cash, provided he already had corporate stock as an investment, and in either case he would be assured good interest.

I recommend that the Board of Estimate and Apportionment consent to the award of contract for Section 9, Route 5, to Patrick McGovern, and that it authorize corporate stok to the amount of $1,961,997 to meet the requirements of said contract.

Attached is a resolution which prescribes a limit to the amount of bonds available for the contract, and authorizes the necessary corporate stock.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 37 of the Rapid Transit Act, being chapter 4 of the Laws of 1891, as amended, and the provisions of section 45 of the Greater New York Charter, and the requisition of the Public Service Commission for the First District, duly made by said Commission on December 8, 1911, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between Patrick McGovern and The City of New York, acting by the Public Service Commission for the First District, for the following purpose:

For the construction in the Borough of Manhattan, of Section 9, of Route 5, known as the Lexington Avenue Route, being a four-track underground railroad extending under Lexington avenue from a point about fifty feet north of the centre line of 67th street to a point about seventy feet south of the centre line of 79th street, with stations at East 68th and East 69th streets and at East 77th street, at a cost not to exceed one million nine hundred and sixty-one thousand nine hundred and ninety-seven dollars ($1,961,997); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of the proceeds of corporate stock available for the said purposes shall be one million nine hundred and sixty-one thousand nine hundred and ninety-seven dollars ($1,961,997); and, be it further

Resolved, That the Comptroller be and he is hereby authorized to issue corporate stock of The City of New York to an amount not exceeding one million nine hundred and sixty-one thousand nine hundred and ninety-seven dollars ($1,961,997), at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds to the amount of the par value thereof to be applied to the purposes hereinbefore mentioned.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Board of Water Supply requesting, and report of the Comptroller recommending, the purchase of a perpetual easement through Parcels Nos. 136 and 137, Section 1, City Aqueduct, Borough of Brooklyn, at a price not exceeding $500.

(On January 11, 1912, a communication from the Board of Water Supply requesting approval of the purchase of the above easement was referred to the Comptroller).

Board of Water Supply, City of New York, 165 Broadway, New York, January 5, 1912.

Board of Estimate and Apportionment, 277 Broadway, New York City:

Gentlemen—At the meeting of the Board of Water Supply held January 3, 1912, the following resolution was adopted:

Resolved, That the Board of Water Supply, pursuant to the provisions of chapter 724 of the Laws of 1905, as amended, and subject to the approval of the Board of Estimate and Apportionment, hereby approves of the purchase from John Arbuckle and William A. Jamison, co-partners, composing the firm of Arbuckle Brothers, for $500, of a perpetual easement through Parcel 136, Section 1, City Aqueduct; and that when and if said purchase shall be approved by the Board of Estimate and Apportionment, the Corporation Counsel is hereby requested to prepare the necessary agreement and other instruments for the signatures of the Board of Water Supply, and to take such other steps and proceedings as may be necessary and proper to consummate the purchase.

We enclose herein option from John Arbuckle and William A. Jamison, co-partners, composing the firm of Arbuckle Brothers.

We respectfully request the approval of this option and purchase by your Board.

Respectfully,

BOARD OF WATER SUPPLY, per JOSEPH P. MORRISSEY, Secretary.

City of New York, Department of Finance, Comptroller's Office, January 29, 1912.

To the Honorable the Board of Estimate and Apportionment:

Gentlemen—The following communication dated January 5, 1912, from the Board of Water Supply was presented to your Board at a meeting held January 8, 1912, and was referred to this Department for consideration and report:

"At a meeting of the Board of Water Supply held January 3, 1912, the following resolution was adopted:

"Resolved, That the Board of Water Supply, pursuant to the provisions of chapter 724 of the Laws of 1905, as amended, and subject to the approval of the Board of Estimate and Apportionment, hereby approves of the purchase from John Arbuckle and William A. Jamison, co-partners, composing the firm of Arbuckle Brothers, for $500, of a perpetual easement through Parcel 136, Section 1, City Acqueduct; and that when and if said purchase shall be approved by the Board of Estimate and Apportionment, the Corporation Counsel is hereby requested to prepare the necessary agreement and other instruments for the signature of the Board of Water Supply, and to take such other steps and proceedings as may be necessary and proper to consumate the purchase.

"We enclose herein option from John Arbuckle and William A. Jamison, co-partners, composing the firm of Arbuckle Brothers.

"We respectfully request the approval of this option and purchase by your Board."

The permanent easement which the Board of Water Supply wishes to acquire is known and designated as Parcel 136, Borough of Brooklyn, having a width of 25 feet and an average length of 474.58 feet and containing an area of 0.27 of an acre.

The option by John Arbuckle and William A. Jamison, co-partners, composing the firm of Arbuckle Brothers, describes said Parcel 136 as follows:

Beginning at a point in the northerly line of John street, where the same is intersected by the production of the westerly line of Bridge street and running thence along the said northerly street line north 87 degrees 20 minutes west 12.15 feet; thence north 13 degrees 3 minutes west 472.98 feet to a point in the pierhead line as established by the Secretary of War, and running thence along the said pierhead line north 85 degrees 42 minutes east 25.29 feet; thence south 13 degrees 3 minutes east 476.17 feet to a point in the before-mentioned northerly line of John street, and running thence along said northerly street line north 87 degrees 20 minutes west 13.82 feet to the point or place of beginning.

The option also says the said Arbuckle Brothers agree to grant to the City in connection with the easement to Parcel 136 a perpetual underground easement to construct, maintain and operate in perpetuity a tunnel or aqueduct at a minimum depth of 300 feet below the present surface of such parts of Parcel No. 137, the legal title to which may be in said Arbuckle Brothers. This Parcel No. 137 lies in the bed of Bridge street, Borough of Brooklyn, and there is some question as to whether the firm of Arbuckle Brothers have any title thereto.

The option concludes as follows:

"The consideration for the grant of said easements is the sum of five hundred dollars ($500), to be paid by the party of the second part at the office of the Comptroller of The City of New York on or before the first day of March, 1912. The sale and conveyance of the easements in said parcels is to be subject to the approval of the Board of Estimate and Apportionment of The City of New York, and on the closing of the title the said Arbuckle Brothers agree to execute and deliver a release to The City of New York for all damages by reason of the acquisition of said easements. The conveyance for the property shall contain a condition that The City of New York shall at no time enter into or upon any part of the surface of the premises of the said Arbuckle Brothers for the purpose of obtaining access to the tunnel or acqueduct, or for making repairs to the same, or for any purpose whatsoever."

The consideration named for these easements, $500, is much less than the cost would be if sent to condemnation.

I therefore respectfully recommend, the price being reasonable and just under the circumstances, that the Board of Estimate and Apportionment approve of the purchase by the Board of Water Supply from John Arbuckle and William A. Jamison, co-partners, composing the firm of Arbuckle Brothers, of a perpetual easement through Parcels 136 and 137, Section 1, City Aqueduct, Borough of Brooklyn, at a price not exceeding $500, and that the Corporation Counsel is hereby requested to prepare the necessary agreements and other instruments for the signature of the Board of Water Supply, and take such other steps and proceedings as may be necessary and proper, a condition in said conveyance to be that The City of New York shall at no time enter into or upon the surface of the premises of Arbuckle Brothers for the purpose of obtaining access to the tunnel or acqueduct or for making repairs to the same for any purpose whatsoever. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of chapter 724 of the Laws of 1905, as amended, the Board of Estimate and Apportionment hereby approves of the action taken by the Board of Water Supply in relation to the purchase from John Arbuckle and William A. Jamison, co-partners, composing the firm of Arbuckle Brothers, of a perpetual easement through Parcels Nos. 136 and 137, Section 1, City Aqueduct, Borough of Brooklyn, at a price not exceeding five hundred dollars ($500), and the Corporation Counsel be and is hereby requested to prepare the necessary agreements and other instruments for the signature of the Board of Water Supply, and to take such other steps and proceedings as may be necessary and proper; said conveyance to be made upon the condition that The City of New York shall at no time enter into or upon the surface of the premises of said Arbuckle Brothers for the purpose of obtaining access to the tunnel or aqueduct or for making repairs to the same or for any purpose whatsoever.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following report of the Comptroller stating that in the course of an examination (now nearing completion) by the Division on Expert Accounting, Department of Finance, with reference to unencumbered balances in appropriations for 1910 and prior years, there is disclosed the existence of certain accounts created by the authorizations of special revenue bonds during the aforesaid period for the payment of certain claims, and still unissued, while the various claims referred to have since been liquidated and paid in the manner described in detail in said report, and recommending that the Board adopt a resolution providing for the rescission of that part of the several resolutions (specifically set forth in the preamble of the resolution herewith submitted), directing the Comptroller to issue special revenue bonds in connection with the purposes therein specified:

Department of Finance, City of New York, Comptroller's Office, January 17, 1912.

To the Honorable, the Board of Estimate and Apportionment, City of New York:

Gentlemen—In the course of the examination now nearing completion by the Division of Expert Accounting, Department of Finance, with reference to unencumbered balances in appropriations for 1910 and prior years, there is disclosed the existence of the following accounts created by the authorizations of special revenue bonds during the aforesaid period, for the purposes as specified and still unissued:

R. C. L.—1.	Revenue Bond Fund for claim of Dunne & Co.....	$2,460 99
R. C. L.—12.	Revenue Bond Fund for payment of claim of James R. Howe, former Register, County of Kings, for indexing in 1900 and 1901.....	7,749 65
R. C. L.—14.	Revenue Bond Fund for payment of claim of Hyde Fountain Company	250 00
R. C. L.—15.	Revenue Bond Fund for payment of claim of Morris Gumprecht as Janitor of Public School No. 2.....	1,684 47
R. C. L.—16.	Revenue Bond Fund for payment of claim of The Elliott & Hatch Typewriter Company.....	21,144 00

As a result of inquiries made to ascertain the status of these accounts for the purpose of determining what disposition should be recommended to the Board of Estimate and Apportionment, the following facts have developed:

R. C. L.—1. Claim of Dunne & Co., July 29, 1903, chapter 509, Laws of 1903, subdivision 7, section 188 of New York Charter..... $2,460 99

This account represents a claim for services and materials furnished to the Department of Docks and Ferries on the newly made park ground between 17th and 18th streets and along the East River front, in the Borough of Manhattan, during the latter part of 1901 and early part of 1902.

It appears that the claim when originally presented was disallowed, the recommendation to that effect being based upon an opinion of the Corporation Counsel dated April 30, 1902, to the effect that the Department of Docks and Ferries acted without legal authority, and that "the work in question was illegal and the City is not liable therefor."

The matter was again presented to the Corporation Counsel, who replied under date of May 15, 1903, to the effect that "in accordance with the provisions contained in chapter 93, Laws of 1903, the acts of the Department of Docks and Ferries in reference thereto are confirmed, ratified, legalized and approved and that no objection now exists to the payment of said claim."

A report addressed to the Comptroller containing in detail the matters herein referred to was presented to the Board of Estimate and Apportionment on July 29, 1903, and reference therein is made to chapters 504 and 509, Laws of 1903, vesting the said Board with authority to examine and allow this claim, and thereupon the Board of Estimate and Apportionment adopted a resolution, pursuant to chapter 509, Laws of 1903, wherein it audited and allowed the said claim as a charge against the City of New York, amounting to $2,460.99, and authorized the Comptroller to issue special revenue bonds to the amount aforesaid.

This claim was never paid from this fund, but on November 14, 1903, J. T. Bermingham, as assignee of Dunne & Company, received full payment in the sum of $2,460.99, as per voucher B, No. 13261-03, and charged against the account entitled "Dock Fund," which was a corporate stock account.

R. C. L.—14 Payment of the claim of The Hyde Fountain Company,

October 8, 1903, chapter 509, Laws of 1903..... $250 00

The history of this claim is, in a large degree, similar to that of Dunne & Co., consequently an extended recital may be deemed unnecessary. This charge is for two drinking fountains furnished to the Department of Docks and Ferries for the recreation park referred to in the foregoing.

Prior to the enactments of chapters 93 and 509, Laws of 1903, this claim was disallowed, the recommendation being based upon the opinion of the Corporation Counsel, dated April 30, 1902, hereinbefore mentioned.

A report rendered to the Comptroller under date of July 28, 1903, was presented to the Board of Estimate and Apportionment at its meeting on the 8th day of October, 1903. It contained a recommendation for the payment of this claim in accordance with the opinion rendered by the Corporation Counsel, as well as the statutes herein previously mentioned; and thereupon the said Board adopted a resolution wherein it was provided that the claim of the Hyde Fountain Company, amounting to $250, be audited and allowed, and that the Comptroller be authorized to issue special revenue bonds to the aforesaid amount, under the provision of subdivision 7, section 188 of the Greater New York Charter.

As in the case of Dunne & Company, payment of this claim was never made from the issue of bonds herein provided, but on October 23, 1903, claimant was paid in full from the dock fund, as evidenced by warrant B—1905—'03, and the same charged against that account.

R. C. L.—12 Payment of claim of James R. Howe, former Register County of Kings, for indexing in 1900 and 1901, subdivision 7, section 188, of N. Y. Charter, December 19, 1902 ..... $7,749 65

This account is based upon a claim for current block and lexicographical indexing in the Register's Office, Kings County, during the years 1900 and 1901, and represents the sum in excess of the appropriations of $20,000 granted by the Board of Estimate and Apportionment for said work in those years.

A report submitted to the Comptroller by the Investigations Division of the Department of Finance and presented to the Board of Estimate and Apportionment on December 19, 1902, makes reference to the report of the Auditor of Accounts therewith submitted, wherein it is contended that in accordance with the provisions of section 21, chapter 365 of the Laws of 1894, it rests entirely within the discretion of the Board of Estimate and Apportionment to make provision for the amount claimed, apparently representing what, at the rates of compensation specified, would be due to said Register, if and not until provided for by said Board of Estimate and Apportionment.

At the meeting of the Board of Estimate and Apportionment, under date of December 19, 1902, and referred to above, a resolution was adopted requesting the Comptroller to pay the aforesaid claim, and authorizing and directing the said Comptroller to issue special revenue bonds, under the provisions of subdivision 7 of section 188 of the Greater New York Charter.

In conformity with this resolution, funds for the payment of this claim, amounting to $7,749.65, became available under the account as hereinbefore described. For some unexplainable reason, however, payments were made from the "Revenue Bond Fund for the Payment of County Charges and Expenses," as follows:

B. Voucher No. 26—1903, January 12, 1903	$1,981 45
B. Voucher No. 27—1903, January 10, 1903	1,934 85
B. Voucher No 28—1903, January 12, 1903	1,755 40
B. Voucher No. 29—1903, January 12, 1903	2,077 95
	$7,749 65

R. C. L.—15. Payment of claim of Morris Gumprecht, as Janitor of Public School No. 2, July 8, 1902, chapter 479, Laws of 1902 ..... $1,684 47

This account was founded on a claim of Pauline Gumprecht as administratrix of the goods, etc., of Morris Gumprecht, deceased, for services rendered by claimant's intestate from February 25, 1901, to July 16, 1901, as Janitor of Public School No. 2. It appears the Municipal Civil Service Commission questioned the legality of the appointment of intestate, and so refused to certify that claimant's intestate was appointed pursuant to law and of the rules made in pursuance thereof.

An application made by intestate for a writ of mandamus directing such certificate was denied. (People ex rel. Gumprecht vs. Knox, 66 App. Div., 517).

The report rendered by the Expert Accountant in Charge, Investigations Division of the Department of Finance, to the Comptroller and submitted to the Board of Estimate and Apportionment on July 8, 1902, gives in great detail the history of this matter and makes reference to the statute under chapter 479, Laws of 1902, wherein the Board of Estimate and Apportionment is authorized and empowered in its discretion to examine into the facts concerning the claim herein, to audit and allow the compensation claimed or such portion thereof as said Board may deem just and equitable, and upon such audit and allowance the Comptroller is further authorized and empowered to pay such sum over to said Pauline Gumprecht as such administratrix, but not exceeding in the aggregate the sum of $2,000. Upon the recommendations contained in the report and pursuant to the statute mentioned, the Board of Estimate and Apportionment adopted a resolution authorizing the Comptroller to issue revenue bonds to the amount of $1,684.47, the amount so audited and allowed.

The payments made and apparently intended to be in pursuance of the aforesaid resolution were charged to the account of "Revenue Bond Fund for Claims" in the manner following:

B. Voucher No. 6950—1902, July 31, 1902	$576 25
B. Voucher No. 6951—1902, July 31, 1902	353 40
B. Voucher No. 6952—1902, July 31, 1902	754 82
	$1,684 47

R. C. L.—16. Payment of claim of Elliott & Hatch Typewriter Co., July 8, 1902, chapter 138, Laws of 1901, subdivision 7, section 188 of New York Charter $21,144 00

The amount of this claim represents the balance alleged to be due for book typewriting machines with paraphernalia and supplies furnished during 1898, 1899 and 1900, to the Clerk and Register of the County of New York.

It appears that payment was withheld because of irregularities, as it was contended that the merchandise was originally furnished in violation of the contract provisions of the Charter.

A report was submited to the Board of Estimate and Apportionment by the Comptroller on July 8, 1902, wherein it was recommended that in accordance with chapter 138 of the Laws of 1901, the Board of Estimate and Apportionment audit and allow the claim of the Elliott & Hatch Book Typewriter Company in the sum of $21,144, and authorize the issue of revenue bonds in that amount, the proceeds thereof to be paid to said concern upon the execution of an agreement by them to furnish the City with fifty-nine new machines, and to repair the remaining machines involved in their claim.

In conformity with this recommendation, the Board of Estimate and Apportionment adopted a resolution substantially to that effect.

This claim was liquidated by payment in full to the claimant on August 27, 1902, as evidenced by B. Warrant No. 528—1902, and charged against the account of "Revenue Bond Fund for County Charges and Expenses, County of New York."

In view of the facts herein previously stated, I would recommend that the Board of Estimate and Apportionment adopt the resolution transmitted herewith for the rescindment of that part of the several original resolutions of authorization directing the Comptroller to issue special revenue bonds in connection with the purposes therein specified. Respectfully, WM. A. PRENDERGAST, Comptroller.

Whereas, At a meeting of the Board of Estimate and Apportionment held on the 29th day of July, 1903, the following resolution was adopted:

"Resolved, That, pursuant to the provisions of chapter 509 of the Laws of 1903, the Board of Estimate and Apportionment hereby audits and allows as a charge against The City of New York the claim of Dunne & Co., amounting to $2,460.99, for services rendered in the Department of Docks and Ferries in the month of January, 1902, and that for the purpose of providing means for the payment thereof the Comptroller be and is hereby authorized to issue special revenue bonds to the amount of $2,460.99, under the provisions of subdivision 7 of section 188 of the Greater New York Charter, redeemable from the tax levy of the year succeeding the year of their issue."

Whereas, At a meeting of the said Board, held on the 8th day of October, 1903, the following resolution was adopted:

"Resolved, That, pursuant to the provisions of chapter 509 of the Laws of 1903, the Board of Estimate and Apportionment hereby audits and allows as a charge against The City of New York the claim of the Hyde Fountain Company, amounting to $250, for furnishing and delivering fountains to The City of New York at the request of the Department of Docks and Ferries, and that for the purpose of providing means for the payment thereof the Comptroller be and is hereby authorized to issue special revenue bonds to the amount of $250, under the provisions of subdivision 7 of section 188 of the Greater New York Charter, redeemable from the tax levy of the year succeeding the year of their issue."

Whereas, at a meeting of the said Board, held on the 19th day of December, 1902, the following resolution was adopted:

"Resolved, That the Comptroller be and he is hereby requested to pay the claims of James R. Howe, former Register of the County of Kings, for current block and lexicographical indexing in his office during the years 1900 and 1901, amounting in the aggregate to $7,749.65, and that for the purpose of providing the necessary means for the payment of the same the Comptroller is authorized and directed to issue special revenue bonds of The City of New York, under the provisions of subdivision 7 of section 188 of the Greater New York Charter, to the amount of $7,749.65, redeemable from the tax levy of the year succeeding the year of their issue."

Whereas, At a meeting of the said Board held on the 8th day of July, 1902, the following resolution was adopted:

"Resolved, That, pursuant to the provisions of chapter 479 of the Laws of 1902, the Board of Estimate and Apportionment hereby audits and allows to Pauline Gumprecht, upon her qualifying as administratrix, with full powers, of the estate of Morris Gumprecht, deceased, and upon the further condition that she execute, as such administratrix, a release to The City of New York from all claims and demands whatsoever which have arisen, or may arise, by reason of the employment of Morris Gumprecht by the Board of Education of The City of New York, the sum of $1,684.47 in settlement of claim of Morris Gumprecht for salary as Janitor of Public School No. 2, between February 25, 1901, and July 16, 1901, and that for the purpose of providing means therefor the Comptroller be and hereby is authorized to issue revenue bonds of The City of New York to the amount of $1,684.47, redeemable from the tax levy of the year succeeding the year of their issue."

—and,

Whereas, At a meeting of the said Board held on the 8th day of July, 1902, the following resolution was adopted:

"Resolved, That, pursuant to the provisions of chapter 138 of the Laws of 1901, the Board of Estimate and Apportionment hereby audits and allows as a charge against The City of New York the sum of $21,144 in full settlement of the claim of The Elliott & Hatch Book Typewriter Company for the typewriters, tables and supplies furnished to the Register and Clerk of the County of New York, between the dates of February 28, 1898, and January 31, 1900, and the Comptroller is hereby authorized to pay the same after proper audit by the Department of Finance out of the proceeds of the sale of revenue bonds which the Comptroller is hereby authorized to issue under the provisions of subdivision 7 of section 188 of the Greater New York Charter, to the amount of $21,144, redeemable from the tax levy of the year succeeding the year of their issue, and upon the execution of an agreement by the Elliott & Hatch Book Typewriter Company to furnish The City of New York with fifty-nine new machines of their manufacture and to repair and put in good operative condition the remaining machines involved in their claim, to the number of fifty-nine."

—and

Whereas, In conformity with the resolutions as aforesaid, special revenue bond accounts, for the purposes as designated, were individually credited with the amounts of the several authorizations as herein set forth, and said special revenue bonds were never issued; and,

Whereas, In accordance with a report dated January 17, 1912, submitted herewith by the Comptroller, wherein it is shown that the above mentioned claims have been liquidated, discharged and paid in full, and therein more particularly set forth, and the purposes of the authorizations of the special revenue bonds have been fully accomplished; therefore, be it

Resolved, That the several resolutions specifically set forth in the preamble of this resolution, in so far as the same relate to the issuance of special revenue bonds to meet the payments of the respective claims, be and the same are hereby rescinded.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented a report of the Comptroller returning communications from the President of the Williamsburg Fire Insurance Company and from the Vice-President and Cashier of the First National Bank of Brooklyn suggesting the acquisition by the City of certain property on the northwesterly corner of South 5th street, Williamsburg Bridge Plaza, Brooklyn, as a site for a court house for the reason that an examination of the premises proves that it would be unwise for the City to purchase these premises for any public purpose as the location is undesirable and the building not at all suited to the needs of either a court house or police station.

Which was ordered filed and the Secretary directed to transmit copies thereof to the President of the Williamsburg Fire Insurance Company and to the Vice-President and Cashier of the First National Bank of Brooklyn.

(On December 14, 1911, and January 4, 1912, the above communications were respectively referred to the Comptroller.)

The Secretary presented the following communication from the Commissioner of Water Supply, Gas and Electricity, submitting for approval proposed agreement between The City of New York and the Rapid Transit Subway Construction Company and the Interborough Rapid Transit Company providing for the alteration of the roof of the present subway on Broadway, Park row and State street, at seven intersecting streets, in order to permit of the crossing of the proposed high pressure fire service mains, together with a report of the Comptroller and the Chief Engineer of the Board recommending the approval of the contract:

(On January 11, 1912, the communication of the Commissioner of Water Supply, etc., mentioned above was referred to the Comptroller.

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, January 3, 1912.

JOSEPH HAAG, Esq., *Secretary, Board of Estimate and Apportionment*, 277 Broadway, Manhattan:

Dear Sir—I transmit herewith five proposed agreements between the Rapid Transit Construction Company and the Interborough Rapid Transit Company and The City of New York relative to the alteration of the roof of the tunnel on Broadway and Park row, at the intersection of Beekman street, Ann street, Maiden Lane, Liberty street, Exchange place and Morris street, and at the intersection of Battery place and State street.

The depression of the tunnel roof is necessary to permit of the crossing of the proposed high pressure fire service mains.

These agreements are similar in all respects to those entered into in 1910, at which time the Department crossed the roof of the subway at 21st and 24th streets and 4th avenue. The only difference in the form now presented is that Mr. McDonald, one of the signers of the former agreements, is now dead, which necessitated a change in the draft, and minor alterations, owing to the fact that the section of the tunnel which the Department now proposes to cross is not the original tunnel, but an extension of the original construction.

The Public Service Commission has already given its consent to the proposed alteration of the tunnel roof, and the Corporation Counsel has approved the agreements as to form. They have already been executed by the officials of the Rapid Transit Subway Construction Company and the Interborough Rapid Transit Company.

The Department is prepared to advertise for bids for the extension of the high pressure service south of Chambers street, west of Nassau street, and as the proposed contract will provide for the alteration of the tunnel roof, as stated in the attached agreements, I would respectfully ask that the Board of Estimate and Apportionment give this matter early consideration. Yours truly,

HENRY S. THOMPSON, Commissioner.

THE CITY OF NEW YORK, ACTING BY ITS COMMISSIONER OF WATER SUPPLY, GAS AND ELECTRICITY, WITH RAPID TRANSIT SUBWAY CONSRUCTION COMPANY AND INTERBOROUGH RAPID TRANSIT COMPANY.

AGREEMENT.

Dated, September 1, 1911.

Agreement, made the first day of September, 1911, between The City of New York, hereinafter called the City, acting by its Commissioner of Water Supply, Gas and Electricity, party of the first part, and Rapid Transit Subway Construction Company, a corporation of the State of New York, and Interborough Rapid Transit Company, a corporation organized under the Laws of the State of New York, hereinafter called the Interborough Company, parties of the second part:

Whereas, Heretofore and on or about the 21st day of February, 1900, the City, acting by the Board of Rapid Transit Railroad Commissioners for The City of New York, entered into a contract with John B. McDonald of The City of New York for the construction and operation of a Rapid Transit Railroad in The City of New York and otherwise, as therein mentioned; and

Whereas, By instruments bearing date the 10th day of July, 1902, the said John B. McDonald duly assigned unto the Interboro Company the right and obligation to maintain and operate the said Rapid Transit Railroad for the term of years specified in the said contract, and all rights included in the leasing provisions of the said contract; and

Whereas, The said John B. McDonald died on or about the 17th day of March 1911, leaving his last will whereby he gave all of his property to Georgie A. McDonald, which will was duly admitted to probate on the 22d day of March, 1911, in the Surrogate's Court, New York County, and letters testamentary thereon, were thereafter duly issued in said Court to said Georgie A. McDonald; and

Whereas, On or about the 11th day of July, 1911, the said Georgie A. McDonald, individually and as Executrix of said John B. McDonald, duly assigned to the Rapid Transit Subway Construction Company, a corporation of the State of New York, so much of the said contract dated February 21st, 1900, as provides for the construction of said Rapid Transit Railroad; and

Whereas, Heretofore and on or about the 21st day of July, 1902, the City, acting by the Board of Rapid Transit Railroad Commissioners for The City of New York, entered into a contract with Rapid Transit Subway Construction Company, a corporation of the State of New York, for the construction and operation of a Rapid Transit Railroad in the City of New York, the route of said railroad beginning at or near the intersection of Broadway with Park Row, the point of commencement of the railroad constructed under the contract dated February 21, 1900, hereinbefore referred to; and

Whereas, By instrument bearing date the 10th day of August, 1905, the said Rapid Transit Subway Construction Company duly assigned unto the Interborough Company the right and obligation to maintain and operate the said Rapid Transit Railroad for the term of years specified in the said contract, and all rights included in the leasing provisions of the said contract; and

Whereas, The said Rapid Transit Railroad has been constructed beneath the surface of Park Row, Broadway and Battery Place, in the Borough of Manhattan, City of New York, and is now being maintained and operated by the Interborough Company under the leasing provisions of the said Contracts; and

Whereas, The Commissioner of Water Supply, Gas and Electricity of The City of New York is about to lay certain City water mains at the intersection of Park Row and Beekman Street, intersection of Park Row and Ann Street, intersection of Broadway and Maiden Lane, intersection of Broadway and Liberty street, intersection of Broadway and Exchange Place, intersection of Broadway and Morris Street and intersection of Battery Place and State Street, and the laying of said water mains renders it necessary that the roof of said Rapid Transit Railroad in said Park Row at Beekman Street, Park Row at Ann Street, Broadway at Maiden Lane, Broadway at Liberty Street, Broadway at Exchange Place, Broadway at Morris Street and Battery Place at State Street be altered and depressed for the purpose of a pipe crossing for said water mains; and

Whereas, The Public Service Commission for the First District has duly granted permission to the Department of Water Supply, Gas and Electricity of The City of New York to alter and depress the roof of said Rapid Transit Railroad as hereinafter provided; and

Whereas, The Commissioner of Water Supply, Gas and Electricity of The City of New York has requested the parties of the second part hereto to consent to said proposed changes in the Rapid Transit Railroad, and the parties of the second part are willing to consent thereto upon the terms and conditions hereinafter provided:-

Now, therefore, in consideration of the premises, it is agreed as follows:

First—The parties of the second part hereby consent that the City may alter and depress the top of the roof of the said Rapid Transit Railroad in Park Row at Beekman Street, Park Row at Ann Street, Broadway at Maiden lane, Broadway at Liberty Street, Broadway at Exchange Place, Broadway at Morris Street and Battery Place at State Street, in the Borough of Manhattan, City of New York, for the purpose of a pipe crossing for the City watermains, on and subject to the following conditions: That no part of the work or construction hereby consented to shall extend below the bottom of the present roof beams of the said Rapid Transit Railroad; that the location of flat arches in the roof of said Rapid Transit Railroad for the purpose of said pipe crossing shall be as indicated on Department of Water Supply, Gas and Electricity drawings B.592, B.593 and B,594 (Plates E.359, E.360, E.361, E.363, E.364, E.365 and E.367); that the method of construction of such flat arches shall be in accordance with plan B-102 of the high pressure service of the Department of Water Supply, Gas and Electricity of the City; that the said work shall be done subject to the direction and approval of the Chief Engineers of the Commission, and of the Interborough Comnpay; that all of the said work shall be done by the City or by its contractors, at the expense of the City; and that the regular operation of said Rapid Transit Railroad shall not in any way be interfered with.

Second—The City agrees that the work of altering and depressing the top of the roof of the said Rapid Transit Railroad shall be done as hereinbefore provided, and that said work shall be wholly at the expense of the City; and it agrees to indemnify and save harmless the parties of the second part, their successors and assigns, against and from all suits, actions, costs, counsel fees, expenses, losses, damages, judgments or decrees, brought or obtained, amounts paid and liability incurred, or in any way arising in consequence or by reason of the said work.

Third—The City also agrees that, in making the changes in the Rapid Transit Railroad hereby consented to, it will not do anything by which the safety and stability of said Rapid Transit Railroad may be endangered, nor by which the regular operation of said Railroad shall be prevented or in any way interfered with, and that the structure of the Rapid Transit Railroad in Park Row, Broadway and Battery Place shall be maintained at all times during the progress of said work in a proper and safe condition for the maintenance and operation of said Rapid Transit Railroad; and that it will repay to the Interborough Company any necessary expense incurred by it for the purpose of protecting the operation of the Rapid Transit Railroad during the progress of the said work.

It is expressly agreed that this instrument shall take effect if and when and only when the following approval and consents shall have been duly obtained, to wit:

1. The approval of the Board of Estimate and Apportionment of The City of New York.

2. The consents as subjoined of United States Fidelity and Guaranty Company, The Empire State Surety Company, American Surety Company of New York, National Surety Company, Fidelity & Deposit Company of Maryland, and The Aetna Indemnity Company.

In witness whereof, this instrument has been executed for The City of New York by its Commissioner of Water Supply, Gas and Electricity, and the said Rapid Transit Subway Construction Company and Interborough Rapid Transit Company have caused their respective corporate seals to be hereto affixed and attested by their respective Secretaries, and these presents to be signed by their respective Presidents or Vice-Presidents, all on the day and year first above written.

THE CITY OF NEW YORK,
By.....
Commissioner of Water Supply, Gas and Electricity.

RAPID TRANSIT SUBWAY CONSTRUCTION COMPANY,
By FRANK HEDLEY, Vice-President.
(SEAL.)
Attest: H. M. FISHER, Secretary.

INTERBOROUGH RAPID TRANSIT COMPANY,
By FRANK HEDLEY, Vice-President.
(SEAL.)
Attest: H. M. FISHER, Secretary.

Approved as to form: J. L. Q., General Attorney.

Approval by Corporation Counsel.

The foregoing instrument is hereby approved as to form.

JOHN L. O'BRIEN, Acting Corporation Counsel.

Dated:

State of New York, City and County of New York, ss.:

On this day of September, 1911, before me personally came , to me known and known to me to be the Commissioner of Water Supply, Gas and Electricity of The City of New York, and the person described as such in and who as such executed the foregoing instrument, and he acknowledged to me that he executed the same as such Commissioner for the purposes therein mentioned.

State of New York, County of New York, ss.:

On this 13th day of November, 1911, before me personally came Frank Hedley, to me known, who, being by me duly sworn, did depose and say that he resides in Yonkers, N. Y.; that he is a Vice-President of the Rapid Transit Subway Construction Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

EMIL PENSEL, Notary Public, N. Y. Co.

State of New York, County of New York, ss.:

On this 13th day of November, 1911, before me personally came Frank Hedley, to me known, who, being by me duly sworn, did depose and say that he resides in Yonkers, N. Y..; that he is a Vice-President of the Interborough Rapid Transit Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

EMIL PENSEL, Notary Public, N. Y. Co.

The undersigned, being the sureties of John B. McDonald under the contract dated February 21st, 1900, hereinbefore mentioned, upon the continuing bond in the penalty of One Million Dollars, and the bond for construction and equipment in the penalty of Two hundred and fifty thousand Dollars, hereby consent to the making of the foregoing instrument.

Dated, New York,

THE UNITED STATES FIDELITY AND GUARANTY COMPANY,
By....., President.
Attest: ....., Secretary.

THE EMPIRE STATE SURETY COMPANY,
By....., President.
Attest: ....., Secretary.

AMERICAN SURETY COMPANY OF NEW YORK,
By....., President.
Attest: ....., Secretary.

NATIONAL SURETY COMPANY,
By....., President.
Attest: ....., Secretary.

FIDELITY AND DEPOSIT COMPANY OF MARYLAND,
By....., President.
Attest: ....., Secretary.

State of , County of , ss.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of The United States Fidelity and Guaranty Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of The Empire State Surety Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of the American Surety Company of New York, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of the National Surety Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of the Fidelity and Deposit Company of Maryland, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

The undersigned, being the sureties of Rapid Transit Subway Construction Company, under the contract dated July 21st, 1902, hereinbefore referred to, upon the continuing bond in the penalty of one million dollars, the liability of each being limited to the amount in said continuing bond respectively specified, do hereby severally consent to the making of the foregoing instrument.

Dated New York, September 1st, 1911.

FIDELITY AND DEPOSIT COMPANY OF MARYLAND,
By....., Vice-President.
Attest: ....., Secretary.

THE UNITED STATES FIDELITY AND GUARANTY COMPANY,
By....., Vice-President.
Attest: ....., Secretary.

NATIONAL SURETY COMPANY,
By....., President.
Attest: ....., Secretary.

THE AETNA INDEMNITY COMPANY,
By....., President.
Attest: ....., Secretary.

THE EMPIRE STATE SURETY COMPANY,
By....., President.
Attest: ....., Secretary.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of the Fidelity and Deposit Company of Maryland, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of The United States Fidelity and Guaranty Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of the National Surety Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of The Aetna Indemnity Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

State of New York, County of New York, s.s.:

On the day of , 1911, before me personally came , to me known, who, being by me duly sworn, did depose and say that he resides in ; that he is the of The Empire State Surety Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

Board of Estimate and Apportionment, City of New York, January 16, 1912.

To the Honorable the Board of Estimate and Apportionment:

Gentlemen—At the meeting of the Board held on January 11, 1912, a communication from the Commissioner of Water Supply, Gas and Electricity submitting, for approval, a proposed agreement between The City of New York and the Rapid Transit Subway Construction Company and the Interborough Rapid Transit Company, providing for the alteration of the roof of the present subway at several points along Park row and Broadway to permit of the laying of high pressure fire mains across the same, was referred to the Comptroller and the Chief Engineer of the Board for consideration and report.

The Board has already made provision for an extension of the high pressure fire service in the Borough of Manhattan, and has made an appropriation of $1,000,000 therefor, but the space between the street surface and the roof of the existing subway is too limited to permit of the laying of these mains without a reconstruction of the subway roof at the intersection of Beekman street and Ann street with Park row, at the intersection of Maiden lane, Liberty street, Exchange place and Morris street with Broadway, and at the intersection of Battery place with State street, all in the Borough of Manhattan. A precisely similar condition existed at the crossing of 21st and 24th streets with 4th avenue, and on July 29, 1910, the Board of Estimate and Apportionment approved a contract between The City of New York and John B. McDonald and the Interborough Rapid Transit Company providing for the lowering of the subway roof. The contract now submitted has been drawn precisely along the lines of that last referred to, except that, owing to the death of Mr. McDonald, the proposed new contract is with the Rapid Transit Subway Construction Company and the Interborough Rapid Transit Company. The Public Service Commission has already given its consent and the contract has been signed by the officers of the two Companies, while the form of contract has also been approved by the Corporation Counsel.

The contract provides that the clearance of the inner side of the subway shall not be interfered with, that the work shall be done at the expense of the City, that the construction and operating companies shall be insured against any damages or other expenses, that the City will not do anything to endanger the safety and stability of the structure or the regular operation of the railroad, and that the structure shall be properly maintained at all times during the progress of the work, and, further, that the City will repay to the operating company any necessary expense incurred by it for the purpose of protecting the operation of the railroad while the work is in progress.

The execution of this contract will not involve the expenditure of any money, but will enable the City to make a contract for the laying of the high pressure fire service mains, which work must be done in accordance with the agreement herewith submitted.

We believe that the contract is a proper one, and would recommend its approval, a resolution to that effect being submitted herewith. Respectfully,

WM. A. PRENDERGAST, Comptroller; NELSON P. LEWIS, Chief Engineer, Board of Estimate and Apportionment.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the proposed agreement between The City of New York, acting by the Commissioner of Water Supply, Gas and Electricity, and the Rapid Transit Subway Construction Company and the Interborough Rapid Transit Company, relative to the depression and alteration of the top of the roof of the Manhattan-Bronx Rapid Transit Railroad, under Contract No. 1, and the extension thereof, at the intersection of Beekman street and Ann street with Park row; of Maiden lane, Liberty street, Exchange place and Morris street with Broadway; and of State street with Battery place, in the Borough of Manhattan, in order to provide space for the installation of high-pressure fire service mains crossing Park row and Broadway and State street, the Public Service Commission for the First District having granted permission for this work, and the said agreement having been approved as to form by the Corporation Counsel.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Parks, Boroughs of Manhattan and Richmond, requesting, and report of the Corporate Stock Budget Committee recommending, that the resolution adopted July 17, 1911, authorizing the issue of $15,000 corporate stock to provide for the purchase of museum cases for the Metropolitan Museum of Art, under the jurisdiction of said Department, be amended by making said authorization available for the purchase of materials and the construction of the museum cases by departmental labor:

(On December 21, 1911, a communication from the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting the amendment of the above resolutions, was referred to said Committee.)

The City of New York, Department of Parks, Boroughs of Manhattan and Richmond, Arsenal, Central Park, December 18, 1911.

To the Honorable the Board of Estimate and Apportionment, The City of New York:

Gentlemen—On the 17th of July last, your honorable Board passed a resolution authorizing an issue of corporate stock not exceeding $15,000 to provide means for the purchase of museum cases for the Metropolitan Museum of Art.

I beg to request that this resolution be amended so as to read "For the construction of cases by departmental labor."

This request is made at the solicitation of the Trustees of the Museum, who explain that it would be much more advantageous and much better results would be obtained in securing the particular kind of construction of cases desired by having the cases constructed at the Museum under the immediate supervision of the Museum authorities by labor familiar with the requirements and skilled in that particular line of work, as is now being done in the American Museum of Natural History. Respectfully,

CHAS. B. STOVER, Commissioner of Parks, Boroughs of Manhattan and Richmond.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 19, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 18, 1911, the Commissioner of Parks, Boroughs of Manhattan and Richmond, requested amendment of a resolution in the 1911 corporate stock budget authorizing $15,000 for the "purchase of museum cases" for the Metropolitan Museum of Art. In connection therewith we report as follows:

The Trustees of the Museum state that it would be much more advantageous, and that much better results would be obtained by having the cases constructed at the Museum under the immediate supervision of the Museum authorities, as is now being done in the Museum of Natural History. It is, therefore, proposed to make the appropriation available for materials and construction.

We recommend the adoption of the attached resolution approving the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, subject to the concurrence herewith of the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on July 17, 1911, and approved by the Board of Aldermen on July 25, 1911, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding fifteen thousand dollars ($15,000), *to provide for the purchase of museum cases* for the Metropolitan Museum of Art, under the jurisdiction of the Department of Parks, Boroughs of Manhattan and Richmond, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid,"

—be amended by making the words *"to provide means for the purchase of museum cases"* read *"to provide means for the purchase of materials for, and the construction of, museum cases."*

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Docks and Ferries requesting, and report of the Corporate Stock Budget Committee recommending, that the resolution adopted July 17, 1911, authorizing the issue of $586,763 corporate stock to provide means for the payment of salaries and wages of the Departmental Construction Force of said Department from August 1 to December 31, 1911, be amended by striking therefrom the words "from August 1 to December 31, 1911":

(On January 25, 1912, the request of the Commissioner of Docks for the amendment of the above resolution was referred to said Committee.)

Department of Docks and Ferries, City of New York, Pier "A," North River, New York, January 11, 1912.

Hon. WILLIAM A. PRENDERGAST, *Comptroller:*

Sir—On July 17, 1911, the Board of Estimate and Apportionment authorized the issuance of corporate stock amounting to $586,763 for the payrolls of this Department from August 1 to December 31, 1911. There is still an unencumbered balance in this fund, known as C. D. D.—26A, of $260,000, and the payrolls for the first four days of this month, January, 1912, amounting to $8,064.87, were audited and sent to you for payment and requisition for these payrolls was drawn against the said account.

We are just advised from your office that as there was a time limit in the authorization of the Board of Estimate and Apportionment you will be obliged to withhold payment of the labor payroll now in your hands until the authorization of July 17, 1911, is amended by extending the time limit beyond December 31, 1911. As this cannot be done until the next meeting of the Board of Estimate and Apportionment on Thursday, the 18th inst., I request that you authorize payment of the labor rolls out of the fund appropriated for the purpose, C. D. D.—26A, until such time as the Board of Estimate and Apportionment shall have amended the resolution of July 17. If this cannot be done by you I request that you authorize payment of the said payrolls out of the fund known as the old Dock Fund, CDD-1.

Respectfully yours, CALVIN TOMKINS, Commissioner of Docks.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 22, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 15, 1912, the Commissioner of Docks requested amendment of a resolution appropriating $586,763 for the Department of Docks and Ferries. In connection therewith we report as follows:

The appropriation was recommended by the Commissioners of the Sinking Fund on July 12, 1911, for "the payment of salaries and wages of the departmental construction force." The appropriation was approved by the Board of Estimate and Apportionment on July 17, 1911, and by the board of Aldermen on July 25, 1911, with the stipulation that the authorization was for payment of the Salaries and Wages "from August 1 to December 31, 1911." There is a balance of approximately $260,000 in the fund, and it is proposed to make the amount available for salaries and wages on and after January 1, 1912. Payrolls are withheld pending the amendment.

We recommend the adoption of the attached resolution granting the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, subject to the concurrence herewith of the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on July 17, 1911, and concurred in by the Board of Aldermen on July 25, 1911, as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, and section 180 of the said Charter, and the recommendation of the Commissioners of the Sinking Fund by resolution adopted July 12, 1911, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding five hundred and eighty-six thousand seven hundred and sixty-three dollars ($586,763), to provide means for the payment of salaries and wages of the departmental construction force of the Department of Docks and Ferries from *August* 1 *to December* 31, 1911, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid,"

--be amended by striking out the words *"from August 1 to December 31, 1911."*

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity relative to, and report of the Corporate Stock Budget Committee recommending the issue of, $950,000 corporate stock to provide means for the improvement of the water supply system of the Borough of Manhattan by the extension of the high pressure fire service in district north of 23d street, under the jurisdiction of said Department:

(On January 4, 1912, a communication from the Commissioner of Water Supply, Gas and Electricity requesting an authorization of $1,000,000 corporate stock for the above purpose, was referred to said committee.)

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, December 21, 1911.

JOSEPH HAAG, Esq., *Secretary of the Board of Estimate and Apportionment, New York:*

Dear Sir—I enclose herewith blueprint showing the districts protected by the High Pressure Fire Service System, and proposed extensions.

In Districts 1, 3, 5, 6, 7 and 8, which extend from 23d street to Maiden lane, with the exception of the area comprised between Houston and 14th streets east of the Bowery and 3d avenue, the High Pressure Fire Service System is already in operation. The plans for Districts 4 and 9 are completed, and construction on the same will begin next spring.

The installation of a High Pressure Fire System in District 2 will be deferred for the present, that district being provided with good fire protection from the low pressure distribution system through the installation of new 12-inch mains.

I have therefore given particular attention to the extension of the High Pressure Fire Service System north of 23d street, and after obtaining the views of the Fire Department and the New York Board of Fire Underwriters, have decided to extend the service through the district north of 23d street and west of 4th avenue to 59th street, as shown in the attached blueprint marked "Districts 10, 11, 12, 13." The boundaries and description of these various districts being briefly as follows:

Destrict No. 10. Boundaries—23d street, Madison avenue, 39th street, and North River.

This district would protect an area of 456 acres, and the estimated cost of installation, including the cost of hydrants, engineering and inspection, is $1,000,000. This district is to be completed before the erection of the additional pumping station. The latter is to be built at the same time that work on the construction of District No. 12 is under way. Until then, District No. 10 will be temporarily served by the present High Pressure Fire Service Station at Gansevoort street.

District No. 11. Boundaries—23d street, Lexington avenue, 33d street and Madison avenue.

District No. 12. Boundaries—34th street, Madison avenue, 39th street, 10th avenue, 59th street and North River.

It is proposed to construct these districts at one time, and if practicable under the same contract. They will protect an area of about 578 acres, and the estimated cost of installation, including hydrants, engineering and inspection, will be $1,250,000.

The new pumping station and Districts 11 and 12 should be completed simultaneously, as these extensions cannot be properly served until the new pumping station is ready for operation.

The district south of 33d street, between Lexington and Madison avenues (District No. 11), which it would seem might more properly be attached to District No. 10, has been separated therefrom owing to the proposed subway construction along Lexington avenue, which may possibly allow us to lay the high pressure fire service mains in Lexington avenue while rearranging other mains along the subway roof, with a consequent saving in the cost of installation.

District No. 13. Boundaries—39th street, 10th avenue, 59th street, Madison avenue:

This district will protect an area of 673 acres, and the estimated cost of installation, including hydrants, engineering and inspection, is $1,250,000. The installation of the high pressure fire service system in this district should be undertaken as soon as Districts 11 and 12 have been completed, because, until this is done, the sections previously installed will be dependent upon the two single feeder mains along 10th and 11th avenues for supply from the new pumping station.

Pumping Station—A tentative location for the new pumping station has been selected near the northwesterly corner of the entire district at 56th street and 12th avenue, because the City owns considerable property there, which is now being used as a corporation yard by the President of the Borough of Manhattan. Should a change in location be needed, it will, of course, require corresponding changes in the discharge mains, but it is not expected that these changes, if any, will seriously affect the general design outlined above. The estimated cost of the new pumping station, including salt water intakes, based upon the cost of the stations already in operation, will be, approximately, $250,000, exclusive of the cost of land, should it be necessary to purchase a site for the station.

It is proposed to adopt the duplex system for the proposed extensions, as has been done in Districts Nos. 3 and 8, through motor operated valves, thus greatly diminishing the chances of interruption of the service in case of breaks.

Total Cost—The total estimated cost of the entire extension, exclusive of land, should it be necessary to purchase the same, will be as follows:

District No. 10	$1,000,000 00
Districts No. 11 and No. 12	1,250,000 00
District No. 13	1,250,000 00
Pumping Station	250,000 00
Motor Operated Valves	30,000 00
Total	$3,780,000 00

This total estimate, as well as that of the various districts, is subject, of course, to change, due not only to possible market fluctuations, but also to the fact that considerable rock will be encountered within the entire district, the amount of which cannot be estimated with any degree of accuracy without considerable and expensive investigations.

It must also be borne in mind that the boundary lines of the various districts given are subject to change, depending on existing conditions at the time the contracts may be advertised in the future. It is not expected, however, that the total area will be materially changed.

I have forwarded a copy of the general plan of the proposed extensions to the Borough President for his information, in order to avoid as much as possible the tearing up of streets after new pavements have been laid thereon.

In the schedule of amounts of corporate stock required for the years 1911 to 1915 inclusive, for improvements of the water supply, which was forwarded to the Board of Estimate in January of this year, an item of $1,000,000 was included as the amount of corporate stock to be authorized for 1912.

It is my intention, as soon as the necessary appropriation is granted, to proceed actively with the preparation of plans and specifications for the installation of the high pressure service in District No. 10, so that the contracts will be advertised toward the end of next year, and the bulk of the work done in 1913 and completed either at the end of this year or in the first part of 1914.

I therefore recommend the adoption of the resolution attached hereto providing for the necessary funds to carry out this work. Yours very truly.

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 15, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 21, 1911, the Commissioner of Water Supply, Gas and Electricity requested an issue of $1,000,000 in corporate stock, pursuant to the provisions of section 178 of the Greater New York Charter, to provide means for the extension of the High Pressure Fire Service System in the Borough of Manhattan.

In connection therewith, we report as follows:

The districts now protected by high pressure service cover an area of 2,221 acres, bounded by the North River, 23d street, Madison avenue, 24th street, Lexington avenue and Irving place, 14th street, Bowery, Houston street, East River, Maiden lane, Park row and Chambers street. These districts are known as Districts Nos. 1, 3, 5, 6, 7 and 8.

The districts south of 23d street still unprotected by high pressure service are as follows:

District No. 2, bounded by 14th street, Bowery, East Houston street and East River. The Commission states that this district is now provided with good fire protection through the installation of new 12-inch mains of the low pressure distribution system.

Districts Nos. 4 and 9, bounded by Chambers street, North River, Battery, East River, Maiden lane, Nassau street and Park row, an area of approximately 291 acres, plans for which are completed and in which construction will be begun shortly.

The Commissioner proposes gradually to extend the system to Districts Nos. 10, 11, 12 and 13, an area of approximately 1,707 acres, bounded by 23d street, Madison avenue, East 24th street, Lexington avenue, East 33d street, Madison avenue, 59th street and North River.

The present request for $1,000,000 is to provide for the extension of the service to District No. 10, lying between 23d street and 34th street, North River and Madison avenue, an area of approximately 456 acres. The Commissioner states the following:

> It is my intention, as soon as the necessary appropriation is granted, to proceed actively with the preparation of plans and specifications for the installation of the high pressure service in District No. 10 so that the contracts will be advertised toward the end of 1912, and the bulk of the work done in 1913, and completed, either at the end of that year, or in the first part of 1914.

The Departmental Engineers have submitted a memorandum showing in detail the estimated cost of the proposed extension.

In view of the prices paid for similar work in the districts already completed, and the possibility of additional rock excavation being required in the district north of 23d street, the estimate of $989,000 does not appear to be excessive.

The memorandum, however, includes an item of $47,000 for salaries and wages of the Engineering Force of the department. The engineering expenses in connection with the work have either been provided for in existing appropriations, or will be taken care of in the 1912 corporate stock Budget. An appropriation of $950,000 at this time appears to be ample to provide for the proposed extension.

The method of extinguishing fires by means of high pressure water pipes has proven successful and the extension of the present system should be made without unnecessary delay.

We recommend, therefore, the adoption of the attached resolution approving of the request to the extent of $950,000. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan, Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 178 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding nine hundred and fifty thousand dollars ($950,000), to provide means for the improvement of the water supply system of the Borough of Manhattan by the extension of the high-pressure fire service in a district north of 23d street in said Borough, under the jurisdiction of the Department of Water Supply, Gas and Electricity, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented a report of the Corporate Stock Budget Committee returning for filing communication from Nicholson & Co., Real Estate, suggesting a site for a new court house for New York County, for the reason that the Board has selected a site for this purpose other than the one suggested.

Which was ordered filed and the Secretary directed to transmit a copy thereof to Nicholson & Co.

(On October 5, 1911, the above communication was referred to said committee).

The Secretary presented a report of the Committee on Salaries and Grades referring to the request of the Sheriff of Richmond County for the establishment of the grade of position of Guard, at $3 a day, for an additional incumbent and stating that no action is necessary on this request as the grade has been established in the 1912 Budget.

Which was ordered filed and the Secretary directed to transmit a copy thereof to the Sheriff of Richmond County.

(On December 21, 1911, the above communication was referred to said committee).

The Secretary presented the following communication from the Department of Health requesting, and report of the Committee on Salaries and Grades recommending, the establishment in said Department of the grade of position of Assistant Director of Bacteriological Laboratories, at $3,000 per annum, for one incumbent:

(On January 4, 1912, the request of the Board of Health for the establishment of the above grade was referred to said committee).

Department of Health, City of New York, southwest corner of 55th street and 6th avenue, Borough of Manhattan, office of the Secretary, New York, December 30, 1911.

Hon. JOSEPH HAAG, *Secretary, Board of Estimate and Apportionment,* 277 Broadway:

Sir—At a meeting of the Board of Health of the Department of Health, held December 30, 1911, the following resolution was adopted:

Resolved, That the Board of Estimate and Apportionment be and it is hereby respectfully requested to recommend to the Board of Aldermen, pursuant to the provisions of section 56 of the Greater New York Charter, the establishment of the grade of the position of Assistant Director of the Bacteriological Laboratories, with salary at the rate of $3,000, in the Department of Health, for one incumbent, in addition to that already established.

A true copy. EUGENE W. SCHEFFER, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 10, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 30, 1911, the Board of Health requested the establishment in the Department of Health pursuant to the provisions of section 56 of the Greater New York Charter, of the grade of position of Assistant Director of Bacteriological Laboratories, at the rate of $3,000 per annum, for an additional incumbent. In connection therewith we report as follows:

The grade is proposed for a change of title for a Medical Inspector, at $3,000, in No. 312, Research and Vaccine Laboratories. It is stated that the title of Medical Inspector does not conform to the work of the position, which is filled temporarily by Dr. Charles Krumwiede. The incumbent is also a Bacteriologist, and with three other Bacteriologists this month he will enter a competitive Civil Service examination for promotion to the grade now proposed.

We recommend the adoption of the attached resolution approving the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Health of the grade of position, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Assistant Director of Bacteriological Laboratories.....	$3,000 00	1

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Public Charities requesting, and report of the Committee on Salaries and Grades recommending, the establishment in said Department of the grade of position of Inspector of Buildings, at $1,500 per annum, for two incumbents:

(On November 16, 1911, a communication from the Commissioner of Public Charities requesting the establishment of the above grade was referred to said Committee).

Department of Public Charities of The City of New York, Foot of East 26th street, November 8, 1911.

To the Honorable, the Board of Estimate and Apportionment:

Gentlemen—There are many buildings being constructed for this Department, payable from corporate stock. It is essential that all buildings being constructed should be subject to inspection from an employee of the Department of Public Charities employed for that purpose; especially should this be so where buildings are being repaired to any considerable extent.

There is no Building Inspector employed in the Department of Public Charities. I would respectfully request that the position of Inspector of Buildings be created for this Department at a salary of $1,500 per annum. I do not believe that competent men can be obtained for a lower salary.

Trusting that you will give this prompt consideration, I am

Respectfully yours, M. J. DRUMMOND, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 19, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On November 8, 1911, the Commissioner of Public Charities requested the establishment in his Department, pursuant to the provisions of section 56 of the Greater New York Charter, of the grade of position of Inspector of Buildings, at $1,500 per annum. In connection therewith we report as follows:

The position is requested to provide for the inspection of the work of construction and alterations of buildings continually going on in the Department. The services of such employees are not now available. In view of the fact that building operations on Blackwells and Randalls Islands, at the Kings County Hospital, and the Farm Colony, Richmond, representing an expenditure of upwards of $2,000,000, are proceeding under contract, it appears that the interests of the City would be conserved by the supervision of the work by Inspectors representing the Department of Charities. Similar positions are provided for in the Fire Department, Department of Education, and the Bureau of Buildings in the offices of the Borough Presidents, the compensation ranging from $1,200 to $3,000 per annum.

We recommend, therefore, that the request be approved for two incumbents by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Public Charities of the grade of position, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Inspector of Buildings	$1,500 00	2

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Parks, Borough of Queens, requesting, and report of the Committee on Salaries and Grades recommending, the establishment in said Department of the following grades of positions, for one incumbent, respectively:

	Per Annum.
Superintendent	$4,000 00
Forester	1,650 00
Assistant Engineer	2,250 00
Draftsman	1,800 00
Clerk	1,050 00

(On January 11, 1912, the request of the Commissioner of Parks, Borough of Queens, for the establishment of the above grades was referred to said committee.)

The City of New York, Department of Parks, Borough of Queens, January 8, 1912.

To the Honorable, the Board of Estimate and Apportionment:

Gentlemen—I respectfully and earnestly request the establishment of the following positions at the salaries thereto attached, to apply to this Department:

	Per Annum.
Superintendent	$4,000 00
Forester	1,650 00
Assistant Engineer	2,250 00
Draftsman	1,800 00
Second Grade Clerk	1,050 00

In asking for the establishment of these positions, it is not my intention to ask for any increase in the funds already provided for this Department, but to ask for a slight modification in the present schedules which will permit me to readjust the force to fit the conditions which have arisen.

These changes will involve no increase in the amount appropriated.

I am led to request these changes after an experience of three months under conditions which are peculiar to this Bureau and its scattered parks, which conditions are unique and entirely different from the conditions now existing in the other Departments, and I venture to assure you that they are urgently needed and at as early a date as possible. Yours respectfully,

WALTER G. ELIOT, Commissioner of Parks, Borough of Queens.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 19, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 8, 1912, the Commissioner of Parks, Borough of Queens, requested the establishment in his Department, pursuant to the provisions of section 56 of the Greater New York Charter, of the following grades of positions:

	Rate Per Annum.
Superintendent, 1 at	$4,000 00
Forester, 1 at	1,650 00
Assistant Engineer, 1 at	2,250 00
Draftsman, 1 at	1,800 00
Second Grade Clerk, 1 at	1,050 00

In connection therewith we report as follows:

In the budget estimate for the year 1912, the position of Superintendent, at $4,000 per annum, was requested for the Department. It was the opinion of the Budget Committee that the Chief Engineer of the Department could also act as Superintendent, and the position therefore was not allowed. The Commissioner states that this experience in the organization of the Department has proven that a Superintendent is urgently needed, the time of the Chief Engineer being taken up exclusively by engineering work.

The position of Forester is provided for in the 1912 budget at $1,500 per annum. The Commissioner states that he finds it impossible to obtain the services of a Forester with the proper qualifications at this compensation, but that one can be obtained at $1,650 per annum.

The position of Assistant Engineer was provided for in the 1912 budget, at $2,400 per annum. The Commissioner states that one can be employed at $2,250, and therefore requests the lower rate. The position of Draftsman was included in the 1912 budget at $1,650. The Commissioner states that he cannot obtain a competent Draftsman for less than $1,800 per annum.

The Commissioner states that the funds for the new positions and increased rates of compensation are to be provided by modification of the budget schedules for the Department. No additional appropriation, therefore, will be required.

We recommend the adoption of the attached resolution approving the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Parks, Borough of Queens, of the grades of positions, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Superintendent	$4,000 00	1
Forester	1,650 00	1
Assistant Engineer	2,250 00	1
Draftsman	1,800 00	1
Clerk	1,050 00	1

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented a report of the Committee on Salaries and Grades referring to a communication from the Surrogates of New York County relative to increase in salaries of certain employees in said office, effective from December 5, 1911, and stating that no action in the matter is necessary as the incumbents whose salaries were increased have been paid at the increased rate from the revenue bonds account for payment of New York County charges and expenses.

Which was ordered filed, and the Secretary directed to transmit a copy thereof to the Surrogates, New York County.

(On December 14, 1911, the above communication was referred to said committee.)

The Secretary presented the following communication from the Board of Elections and report of the Committee on Salaries and Grades recommending the retirement, pursuant to chapter 669 of the Laws of 1911, of Samuel H. Andrews, Deputy Chief Clerk in the Board of Elections, Borough of Brooklyn, on an annuity of $1,666.67, as of February 1, 1912:

Board of Elections of The City of New York, General Office, 107 West 41st Street, New York, January 17, 1912.

Hon. WILLIAM A. PRENDERGAST, *Comptroller, City of New York,* 280 Broadway, Manhattan:

Dear Sir—Pursuant to a resolution of this Board, I hereby request you to retire from actice service, Samuel H. Andrews, Deputy Chief Clerk, Board of Elections, Brooklyn Office, in accordance with section 1, chapter 6, title 1a, sections 165, 166 and 167 of the Greater New York Charter.

This resolution was passed pursuant to a written request from Mr. Samuel H. Andrews. Respectfully yours, J. G. BRITT, President.

Board of Elections of the City of New York, Borough Office, 44 Court Street, Borough of Brooklyn, January 15, 1912.

Hon. WILLIAM A. PRENDERGAST, *Comptroller of The City of New York:*

Dear Sir—In compliance with the request of your Mr. O'Connell, of the 12th inst., relative to my application for retirement from active service, I have the honor to submit the information requested.

I was appointed by the Board of Elections July 21, 1873, and served until February 9, 1898, reappointed August 1, 1903, and am still in the service of said Board.

Sincerely yours, SAMUEL H. ANDREWS.

Supreme Court of the State of New York, Justices Chambers, Brooklyn, N. Y., January 3, 1912.

Hon. WILLIAM A. PRENDERGAST, *Comptroller of The City of New York:*

Dear Sir—The enclosed affidavit and petition were intended to be filed by me last week on behalf of Samuel H. Andrews. I would be glad if this application could be referred to the Subcommittee of the Board of Estimate having charge of retirements and pensions.

With the compliments of the season, I am, sincerely yours,

CHARLES H. KELBY.

Hon. WILLIAM A. PRENDERGAST, *Comptroller of The City of New York:*

The petition of Samuel H. Andrews respectfully shows:

First—That your petitioner now is, and has been for six years last past, Deputy Chief Clerk of the Board of Elections in the Borough of Brooklyn, City of New York.

Second—That your petitioner for a period of thirty years and upwards has been a Clerk or employee in the employ of The City of New York, or of one of the municipalities, counties, or parts thereof, which have been incorporated under The City of New York.

Third—That your petitioner has been rendered physically incapacitated by reason of disease for the further performance of the duties of his present position. That by reason of illness your petitioner is physically unable to now perform the duties of his office, and that the nature and extent of his illness more fully appears by the affidavit of Dr. J. Monroe Liebermann, who now is your petitioner's physician and has been for two years last past.

Fourth—That the Legislature of this State has passed an act, being chapter 669 of the Laws of 1911, amending the Greater New York Charter relative to retirement from active service of officers, clerks and employees, and that the said chapter 669 of the Laws of 1911 became a law July 18, 1911, with the approval of the Governor of the State of New York. That a copy of said act is hereto annexed and marked "A", and is made part of this petition.

Wherefore, your petitioner prays, pursuant to the terms of said act, that the Comptroller of The City of New York, as a member of the Board of Estimate and Apportionment, recommend to said Board the retirement of your petitioner from active service as a clerk in the employ of The City of New York, upon an annuity equal to one-half the amount of petitioner's average annual salary or compensation for the period of three years immediately prior to the time of his retirement. That the said annual salary or compensation received by petitioner for the last three years has been at the rate of $2,400.

SAMUEL H. ANDREWS.

LAWS OF NEW YORK—BY AUTHORITY.

Chapter 669.

An Act amending the Greater New York Charter, relative to retirement from active service of officers, clerks and employees.

Became a law July 18, 1911, with the approval of the Governor. Passed, three-fifths being present.

Accepted by the City.

The people of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. Chapter six, title one-a, sections one hundred and sixty-five, one hundred and sixty-six and one hundred and sixty-seven of the Greater New York charter, as re-enacted by chapter four hundred and sixty-six of the laws of nineteen hundred and one, are hereby amended to read as follows:

TITLE 1-A.

Retirement from Active Service of Officers, Clerks and Employees.

Section 165. *Authority to recommend retirement of employees after thirty years' service.

Section 166. Authority of board of estimate to retire employees.

Section 167. Annuities to retired employees. Authority to recommend retirement of employees after thirty years' service.

Section 165. Any member of the board of estimate and apportionment is hereby authorized, whenever in his judgment it shall be to the interest of the public service, to recommend to said board the retirement from active service of any officer, clerk or employee who shall have been in the employ of the city of New York or of any of the municipalities, counties or parts thereof which have been incorporated into the city of New York for a period of thirty years and upwards and who shall have become physically or mentally incapacitated for the further performance of the duties of his position. The term of service, however, shall not be affected by any change in title, duty or salary or by any promotion or by any vacation or leave of absence or by any temporary disability by reason of sickness or accident or by any transfer from one department or office to another department or office during the period of service, or by any change of any of the boards, bureaus or departments in which service shall have been performed from an office paid by fees to a salaried office. But this section shall not apply to any person who is, or may be, entitled to share in the police pension fund, or in the fire department relief fund, or in the public school teachers' retirement fund, or in the health department pension fund, or in the retirement fund of the College of the City of New York.

Authority of Board of Estimate to Retire Employees.

Section 166. The board of estimate and apportionment is hereby authorized and empowered to retire from active service any person recommended for retirement as provided by section one hundred and sixty-five of this act. Reasonable notice of its proposed action shall be given by said board to any person intended to be retired and an opportunity of making an explanation shall be given to such person. The board shall state its reasons for retiring any such person and that the interests of the public service requires such retirement.

Annuities to Retired Employees.

Section 167. Any person retired from active service pursuant to sections one hundred and sixty-five and one hundred and sixty-six of this act shall be awarded and granted by the board of estimate and apportioment an annual sum or annuity to be fixed by said board not exceeding, however, one-half of the amount which his annual salary or compensation averages for the period of three years immediately prior to the time of his retirement. The comptroller shall pay the annuities granted in monthly installments out of the receipts of excise moneys or liquor taxes belonging to the city of New York as constituted by this act. Such payments to continue during the lifetime of the person or persons so retired.

In the Matter of the Retirement of Samuel H. Andrews.

State of New York, County of New York, ss.:

J. Monroe Liebermann, being duly sworn, says:

I am a physician and surgeon with an office at 121 St. Nicholas avenue, New York City. I am and have been a physician for Mr. Samuel H. Andrews since August 25, 1910. I have treated him for diabetes and, from the history obtained after a careful examination, I found that Mr. Andrews suffered from a chronic autointoxication as far back as twelve years of age, being more aggravated at the age of nineteen with a severe attack of typhoid fever, and further has been more aggravated by a sun stroke at the age of forty-seven.

The chronic autointoxication eventually culminated in an attack of appendicitis for which he was operated upon about two years ago. The operation was quite successful as far as the attack of appendicitis was concerned, but it failed to improve his general condition.

On further examination I found that Mr. Andrews was suffering from general neurasthenia, neuritis in different parts of the body, an enlarged liver, nervous gastric disturbances, anæmic murmur, and quite a quantity of sugar in the urine, as well as a trace of albumin.

Mr. Andrews is still under my treatment and his condition is such that any mental or physical labor is liable at any time to bring a crisis which might end fatally

J. M. LIEBERMANN.

Sworn to before me this 22d day of December, 1911.
(SEAL.) JOHN A. OLSEN, Notary Public, New York County.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 22, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 17, 1912, the Board of Elections requested the retirement on half pay Samuel H. Andrews, employed as Deputy Chief Clerk of the Board in the Borough of Brooklyn. In connection therewith we report as follows:

The request is made in compliance with the provisions of chapter 669 of the Laws of 1911, amending sections 165, 166 and 167 of the Greater New York Charter. Mr. Andrews was appointed in the Board of Elections as a Clerk on July 21, 1873, and served until February 9, 1898. On August 1, 1903, he was reappointed. On January 1, 1905, he was appointed as Deputy Chief Clerk at $2,250 per annum. On December 20, 1909, he was increased to $2,500 per annum. On April 1, 1911, his salary was fixed at the present rate of $2,250 per annum. His services cover a period of more than 32 years. He is 53 years of age.

Mr. Andrews states he has been "rendered physically incapacitated by reason of disease for the further performance of the duties of his present position." Dr. J. Monroe Liebermann, his physician for the last two years, has made the following affidavit:

I am a physician and surgeon with an office at 121 St. Nicholas avenue, New York City. I am and have been a physician for Mr. Samuel H. Andrews since August 25, 1910. I have treated him for diabetes and from the history obtained after a careful examination, I found that Mr. Andrews suffered from a chronic autointoxication as far back as twelve years of age, being more aggravated at the age of nineteen with a severe attack of typhoid fever, and further has been more aggravated by a sun stroke at the age of forty-seven.

The chronic autointoxication eventually culminated in an attack of appendicitis, for which he was operated upon about two years ago. The operation was quite successful as far as the attack of appendicitis was concerned, but it failed to improve his general condition.

On further examination I found that Mr. Andrews was suffering from general neurasthenia, neuritis in different parts of the body, an enlarged liver, nervous gastric disturbances, anæmic murmur, and quite a quantity of sugar in the urine, as well as a trace of albumin.

Mr. Andrews is still under my treatment and his condition is such that any mental or physical labor is liable at any time to bring a crisis which might end fatally. J. M. LIEBERMANN.

Sworn to before me this 22d day of December, 1911.
JOHN A. OLSEN, Notary Public, New York County.

We recommend that the application for the retirement of Samuel H. Andrews be approved, and that he be retired on an annuity equal to one-half of his annual salary for the last three years, namely, $1,166.67, by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Committee on Salaries and Grades.

*So in original.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of sections 165, 166 and 167 of the Greater New York Charter, as amended by chapter 669 of the Laws of 1911, and upon recommendation of the Comptroller and the Acting President of the Board of Aldermen, hereby retires from active service Samuel H. Andrews, Deputy Chief Clerk in the Board of Elections, for the Borough of Brooklyn, for the reason that he is physically incapacitated to further perform his duties as Deputy Chief Clerk for the Borough of Brooklyn, and that the interests of the public service require such retirement, and hereby awards and grants to said Samuel H. Andrews an annual sum or annuity of one thousand one hundred and sixty-six dollars and sixty-seven cents ($1,166.67), to take effect February 1, 1912; and be it further

Resolved, That the Comptroller of The City of New York be and is hereby directed to pay said annuity to said Samuel H. Andrews during his lifetime, in monthly installments, out of the receipts of excise money or liquor taxes belonging to The City of New York.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Bridges and report of the Committee on Salaries and Grades recommending the retirement, pursuant to chapter 669 of the Laws of 1911, of Daniel Leavey, Foreman Brick Mason, in said Department, on an annuity of $900, as of February 1, 1912:

(On January 11, 1912, a communication from the Commissioner of Bridges recommending the retirement of the above-named employee, was referred to said Committee.)

Department of Bridges, City of New York, 13-21 Park Row, Manhattan, N. Y., January 4, 1912.

To the Honorable the Board of Estimate and Apportionment of The City of New York:

Gentlemen—Enclosed I beg to transmit application for retirement, pursuant to chapter 669 of the Laws of 1911, of Daniel Leavey, Foreman Brick Mason, in the employ of this Department. The payroll books in the possession of this Department show that Daniel Leavey entered the service of the New York and Brooklyn Bridge on April 28, 1878, and has remained in such service to date.

Through the courtesy of Comptroller Prendergast, Dr. J. H. Byrne, the physician of the Department of Finance, has made a physical examination of Leavey, and in his certificate dated November 21, 1911, which is attached hereto, he states that in his opinion Leavey is physically unfit to perform the duties of his position.

This man has been in the employ of this Department almost all of the time that he has been in the City's service. His record is good and he is universally well spoken of by the men under whom he has served.

In view of his application and the opinion of the physician, I respectfully recommend that your Honorable Board act favorably upon the application of Daniel Leavey for retirement on a pension. Respectfully,

ARTHUR J. O'KEEFFE, Commissioner.
November 6, 1911.

Hon. ARTHUR J. O'KEEFFE, *Commissioner of Bridges:*

Sir—I hereby respectfully apply for retirement and pension on account of long service for the City, and disability due to advanced years.

I was employed in the Board of City Works, Brooklyn, from 1869 to 1879, and on the Brooklyn Bridge from 1879 to date, a total of forty-two years.

Respectfully, DANIEL LEAVEY, Foreman Brick Mason.

J. H. BYRNE, M.D., 360 West 51st Street, New York, November 21, 1911.

Hon. ARTHUR J. O'KEEFFE, 21 Park Row, New York City:

My Dear Commissioner—Mr. Daniel Leavey, 895 Pacific street, Brooklyn, who is employed in your Department as a Foreman Bricklayer, appeared here this morning, as you directed.

Upon examination, I find he is suffering from dilitation and hypertrophy of the heart with degenerative changes in his blood vessels, senile debility, commencing senile palsy and loss of vision in both eyes from cataract. He is certainly afflicted with physical disability and comes within the provision of the act passed by the last Legislature, and I would therefore suggest that you recommend his retirement, as provided for in that law. Yorus very truly,

J. H. BYRNE, Physician, Department of Finance.

Applicant stated he was 75 years old and was in the employ of the City for 42 years.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 18, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 4, 1912, the Commissioner of Bridges requested the retirement on half pay of Daniel Leavey, a Foreman Brick Mason in his Department. In connection therewith we report as follows:

The request is made pursuant to the provisions of chapter 669 of the Laws of 1911, amending sections 165, 166 and 167 of the Greater New York Charter. Mr. Leavey states that he was employed in the Board of City Works of the old City of Brooklyn, from 1869 to 1879, and since that date on the Brooklyn Bridge, a total of 42 years. The Commissioner states that the records of the Department of Bridges show that Mr. Leavey entered the service of the New York and Brooklyn Bridge on April 28, 1878, and has been employed there since that date.

The Physician of the Department of Finance examined the applicant on November 21, 1911, and reported, in part, as follows:

I find he is suffering from dilatation and hypertrophy of the heart with degenerative changes in his blood vessels, senile debility, commencing senile palsy and loss of vision in both eyes from cataract. He is certainly afflicted with physical disability. Applicant stated he was 75 years old.

The average compensation received by Mr. Leavey for the last three years was $1,800 per annum.

We recommend that the application for retirement of Daniel Leavey, Foreman Brick Mason in the Department of Bridges, be approved, and that he be retired on an annuity equal to one-half of his salary for the last three years, namely, $900, by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of sections 165, 166 and 167 of the Greater New York Charter, as amended by chapter 669 of the Laws of 1911, and upon the recommendation of the Comptroller and the Acting President of the Board of Aldermen, hereby retires from active service Daniel Leavey, Foreman Brick Mason in the Department of Bridges, for the reason that he is physically incapacitated to further perform his duties as Foreman Brick Mason, and that the interests of the public service require such retirement, and hereby awards and grants to said Daniel Leavey an annual sum or annuity of nine hundred dollars ($900), to take effect February 1, 1912; and be it further

Resolved, That the Comptroller of The City of New York be and is hereby directed to pay said annuity to said Daniel Leavey during his lifetime, in monthly installments, out of the receipts of excise money or liquor taxes belonging to The City of New York.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Fire Department requesting, and report of the Committee on Salaries and Grades recommending, the establishment in said Department of the grade of position of Assistant Inspector of Combustibles, at $1,500 per annum, for an unlimited number of incumbents:

(On January 11, 1912, the request of the Fire Commissioner for the establishment of the above grade was referred to said Committee.)

Fire Department of the City of New York, January 4, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, and Chairman, Board of Estimate and Apportionment:*

Sir—Pursuant to the provisions of section 56 of the Greater New York Charter, I have the honor to request that the Board of Estimate and Apportionment recommend to the Board of Aldermen the establishment in this Department of the position of Assistant Inspector of Combustibles for an unlimited number of incumbents, with salary at the rate of $1,500 per annum, in lieu of the position of Oil Surveyor, of which there are at present 22 incumbents at said rate of compensation.

The reason for asking that the number be unlimited is that in the near future the exigencies of the service may require an increase of the existing force of employees of this title.

The Municipal Civil Service Commission, at the request of this Department, has stricken from Part 1, Group 3, of the Competitive Class, the title Oil Surveyor, and included in Part 4 (the Inspection Service), Group 5, Inspectors, Miscellaneous, the title Assistant Inspector of Combustibles. This action was taken for the reason that the title of Oil Surveyor is a misnomer, as the employees bearing this title do not survey or analyze oils, their duties having to do with the enforcement of the Charter provisions relating to explosives and combustibles and the Rules and Regulations of the Municipal Explosives Commission in connection therewith.

Respectfully, JOS. JOHNSON, Fire Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 17, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 4, 1912, the Fire Commissioner requested the establishment in his Department, pursuant to the provisions of section 56 of the Greater New York Charter, of the grade of position of Assistant Inspector of Combustibles at the rate of $1,500 per annum, for an unlimited number of incumbents.

The position of Oil Surveyor is established in the Department for an unlimited number of incumbents at the rate of $1,500 per annum. There are twenty-two incumbents of the position. Their duties are the enforcement of the laws and regulations governing explosives and combustibles and not the analyzing of oils. At the request of the Fire Department, the Municipal Civil Service Commission has authorized a change in title from Oil Surveyor to Assistant Inspector of Combustibles at the same rate of compensation. Establishment of the requested grade is necessary for the change.

We recommend that the request be approved by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Fire Department of the grade of position, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Assistant Inspector of Combustibles.....	$1,500 00	Unlimited.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller recommending, approval of the schedules, as revised, for said Department for the year 1912, Water Revenue Force, providing for the addition of a Clerk at $1,350 and 3 at $900 each per annum, and of an Inspector at $1,500, for the elimination of a Clerk at $1,200, for decreasing the salary of an Inspector from $1,200 to $1,100 per annum, and for the addition of 3 Laborers at $2.50 a day for 304 days:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, January 19, 1912.

Hon. WILLIAM A. PRENDERGAST, *Comptroller:*

Dear Sir—In order that I may appoint an additional force of three Clerks at $900 per annum; one Inspector at $1,500 per annum; three Laborers at $2.50 per diem each, and to provide $150 for the difference in salary of a Clerk transferred to another Bureau (his salary having remained at the same rate for some years past), it will be necessary to modify the schedule of salaries and wages for the Bureau of Water Registrar, Borough of Brooklyn. The appropriation made for the first three months is sufficient for that period at the rates in the modified schedule herewith enclosed.

I respectfully request that you recommend to the Board of Estimate and Apportionment the approval of this schedule. Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 29, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 19, 1912, the Commissioner of Water Supply, Gas and Electricity requested modification of two schedules for regular employees in his Department for 1912. In connection therewith I report as follows:

The request is in the schedules for Personal Service, Water Supply, Water Revenue Collection, Salaries, Regular Employees, Water Revenue Force, and Wages, Regular Employees, Water Revenue Force. In the schedule for salaries it is proposed to add a Clerk, at $1,350, three Clerks, at $900 each, an Inspector, at $1,500, and drop a Clerk, at $1,200. An Inspector is decreased from $1,200 to $1,100.

The Inspector, at $1,500, has been employed for some years in the Borough of Brooklyn, and was omitted from the 1912 Budget schedules through an error. The Clerk, at $1,350, is to be transferred from the Manhattan office and is provided for at the same rate in the present Tax Levy Budget schedules. It is stated that his position, in the Manhattan office, will be filled by an appointment at $1,050, and that the request for the necessary schedule modification is now being prepared. The three additional Clerks, at $900, were provided for in the premilinary appropriation from the Brooklyn Water Revenues for maintenance of the Brooklyn Water Supply in 1912.

In the schedule for wages it is proposed to add three Laborers, at $2.50, for 304 days. Provision for their employment was also made in the preliminary allowance previously referred to.

The three $900 Clerks and three Laborers are required to relieve Inspectors now performing clerical or laborer's work. No additional appropriation at this time is necessary.

The line item changes, in detail, are as follows:

Account.	Line Item.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
Salaries	Clerk, 5 at $1,350.....	.....	$1,350 00	.....	$1,350 00
	Clerk, 9 at $1,200.....	$1,200 00	.....	$1,200 00	.....
	Clerk, 30 at $900.....	.....	2,700 00	.....	2,700 00
	Inspector, 5 at $1,500.....	.....	1,500 00	.....	1,500 00
	Inspector, 9 at $1,200.....	1,200 00	.....	1,200 00	.....
	Inspector, 74 at $1,100.....	.....	1,100 00	.....	1,100 00
Wages	Laborer, 10 at $2.50 per day (304 days)	.....	2,280 00	.....	2,280 00
		$2,400 00	$8,930 00	$2,400 00	$8,930 00

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Water Supply, Gas and Electricity for the year 1912, as follows:

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Water Supply.

Water Revenue Collection.

Salaries, Regular Employees, Water Revenue Force:	
Water Registrar	$4,000 00
Expert Accountant	3,000 00
Cashier	2,250 00
Clerk	2,250 00
Clerk	2,100 00
Clerk, 3 at $1,650.....	4,950 00
Clerk, 6 at $1,350.....	8,100 00
Clerk, 8 at $1,200.....	9,600 00
Clerk, 7 at $1,050.....	7,350 00
Clerk, 33 at $900.....	29,700 00
Clerk	540 00
Stenographer and Typewriter, 2 at $1,200.....	2,400 00
Stenographer and Typewriter, 4 at $1,050.....	4,200 00
Stenographer and Typewriter.....	900 00
Inspector	2,100 00
Inspector, 6 at $1,500.....	9,000 00
Inspector	1,250 00
Inspector, 8 at $1,200.....	9,600 00
Inspector, 75 at $1,100.....	82,500 00
Assistant Chief of Meter Setting.....	2,000 00
Foreman	1,800 00
Messenger	1,050 00
Schedule total	$190,640 00
Water revenue allowance.....	190,640 00

Personal Service, Water Supply.

Water Revenue Collection.

Wages, Regular Employees, Water Revenue Force:	
Assistant Foreman, 1 at $3 per day (304 days).....	$912 00
Plumber, 4 at $5.50 per day (304 days).....	6,688 00
Caulker, 1 at $4 per day (304 days).....	1,216 00
Carpenter, 2 at $4.50 per day (304 days).....	2,736 00
Laborer, 1 at $3 per day (304 days).....	912 00
Laborer, 13 at $2.50 per day (304 days).....	9,880 00
Driver, 1 at $2.50 per day (304 days).....	760 00
Schedule total	$23,104 00
Water revenue allowance.....	23,104 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented a communication from Henry S. Wood, relative to the construction and operation of new subways.

Which was ordered filed.

The Secretary presented the following communication from the Chief Engineer, calling attention to the fact that while the Board made provision in the Budget for 1912 for an additional Draftsman at a salary of $1,500 per annum in his office, the Board of Aldermen cut this item out of the Budget, stating that this Draftsman is greatly needed, and recommending that the Board request the Board of Aldermen to authorize an issue of special revenue bonds in the sum of $1,375 to pay the salary of such Draftsman for the remaining eleven (11) months of the year:

Board of Estimate and Apportionment, City of New York, Office of the Chief Engineer, 277 Broadway, January 30, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—In presenting my estimate and recommendations for the needs of this office in connection with the preparation of the Budget for 1912, I asked for one (1) additional Topographical Draftsman at a salary of $1,500 per annum, and one (1) additional First Grade Clerk at a salary of $300 per annum. The Board allowed these two places, but in the adoption of the Budget by the Board of Aldermen, the additional Draftsman was not allowed. As already stated to the Board, this addition to the staff of the office is believed to be indispensable. Such a Draftsman is required in order to keep up the graphical record of the work of the Board, which is constantly increasing in volume, and this record is now considerably behind, although the entire staff of the office has used every effort to keep it up.

In view of these conditions, I beg to ask the Board to request the Board of Aldermen to provide for an issue of special revenue bonds in the sum of $1,375 to cover the expense of such Draftsman for the remaining eleven months of the year.

I realize that the Board of Estimate and Apportionment does not usually recommend issues of special revenue bonds, the initiative in which must be taken by the Board of Aldermen, but in this case the Board would simply be acting as a head of a Department usually does in requests of this kind. Respectfully,

NELSON P. LEWIS, Chief Engineer.

The resolution approving of the request as contained in the communication of the Chief Engineer failed of adoption, receiving the following vote:

Affirmative—The Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—7.

Negative—The Mayor, the Comptroller and the Acting President of the Board of Aldermen—9.

The Secretary presented the following report of the Corporate Stock Budget Committee, recommending an authorization of $60,000 corporate stock for the alteration of a building for the use of the College of The City of New York, thereby making available a site for the Children's Court, said property being now used for college purposes:

To the Board of Estimate and Apportionment:

Dear Sirs—At a meeting of this Board held on January 25, 1912, there was referred to the Corporate Stock Budget Committee the request of the College of the City of New York for an appropriation of $50,000, for the purpose of putting that portion of the old college buildings known as the 23d street building, situate at the corner of Lexington avenue and 23d street, Borough of Manhattan, in proper condition for the use and benefit of the students of the college.

The students for whose use this building is to be put into repair, are at present occupying a building on 22d street, between Lexington and 3d avenues, which is connected with the 23d street building. The college has agreed to vacate this 22d street building and to request its transferrence to the President of the Borough of Manhattan for the purpose of a Children's Court site, for which this location is admirably suited. The plot of ground occupied by the building and yard covers in area 100 feet by 75 feet, more or less, and is well adapted to the purposes of the Children's Court.

The entire 23d street building will not be required to house the students now occupying the 22d street building, and the college is prepared to put at the disposal of the Board of Estimate and Apportionment the basement and first floor of this building for the purposes of a Permanent Museum, the establishment of which has been under consideration by the Committee on Budgetary Publicity for some time, and which the Committee strongly believes should be undertaken. Such a museum would, by reason of its collection of exhibits explaining and demonstrating municipal activities, be an important educational factor in the community; would take the place in large part of the budget exhibits which have been held for the past two years,

and would also offer excellent facilities for the inculcation of civic ideals and public-spirited conceptions of municipal administration. The location of this building for a purpose of this kind is excellent on account of its central position and its accessibility to a large number of transit facilities.

The request of the City College is based on a preliminary estimate covering the repairs needed to put the building, exclusive of the basement and first floor, in good condition, and an additional amount of $10,000 will be required to cover the cost of altering these two floors.

Your Committee accordingly recommends that the sum of $60,000 corporate stock be authorized. The adoption of the attached resolution will put this recommendation into effect. Respectfully submitted,

WM. A. PRENDERGAST, Comptroller, Chairman; GEORGE McANENY, President, Borough of Manhattan; A. L. KLINE, Acting President, Board of Aldermen, Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves the issue of corporate stock of The City of New York to an amount not exceeding sixty thousand dollars ($60,000), for the purpose of providing means for making certain structural alterations in the building situate at the southeast corner of 23d street and Lexington avenue, occupied by the College of The City of New York, and that when authority shall have been obtained from the Board of Aldermen the Comptroller be and is hereby authorized to issue corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter to an amount not exceeding sixty thousand dollars ($60,000), the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following report of the Corporate Stock Budget Committee recommending the authorization of $3,000,000 corporate stock for repaving in the various boroughs:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—In order to provide for the repaving of streets and avenues in the five Boroughs of the City during the current year, your Committee recommends that an appropriation of $3,000,000 be made, to be divided among the Boroughs as in previous years, and submits the attached resolution for adoption. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE M'ANENY, President, Borough of Manhattan, Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, pursuant to the provisions of sections 169 and 176 of the Greater New York Charter, as amended by chapter 563 of the Laws of 1902, the Board of Estimate and Apportionment hereby authorizes the Comptroller to issue corporate stock of The City of New York in the manner provided by said section 169, to the amount of three million dollars ($3,000,000), maturing ten (10) years after date of issue, the proceeds to the amount of the par value thereof to be applied to the repaving of streets and avenues in The City of New York, as follows:

Borough of Manhattan	$1,000,000 00
Borough of Brooklyn	1,000,000 00
Borough of The Bronx	350,000 00
Borough of Queens	350,000 00
Borough of Richmond	300,000 00

Provided, however, that no contract shall be made for repaving any street or avenue unless the Borough President having charge thereof submits to the Comptroller with such contract evidence showing that the original pavement on such street or avenue was laid at the expense of the abutting property owners or by local taxation or by bond issues paid by the locality before consolidation, unless the Board of Estimate and Apportionment shall otherwise determine upon presentation of the facts and circumstances affecting such street or avenue.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Comptroller, requesting that the salary schedules Nos. 49, 51, 52, 54, supporting the appropriation made in the Budget for the year 1912, for the Department of Finance, be modified, so as to provide for the appointment of two Clerks, a Deputy Collector of City Revenue and a Bank Messenger, and to provide for the promotion of a Clerk from $1,200 to $1,350 and the restoration of salary of a Clerk from $1,050 to $1,350, and the abolishing of certain other positions, etc., involving a transfer of $275:

City of New York, Department of Finance, Comptroller's Office, January 29, 1912.

The Honorable Board of Estimate and Apportionment:

Gentlemen—Request is hereby made that the Budget Schedule Lines supporting the Salaries Appropriations as made to the Department of Finance for the year 1912, be modified in order to provide for the following changes:

Executive, 49, Salaries, Regular Employees.

First. For the promotion of one Clerk from $1,200 to $1,350 per annum as of January 1, 1912.

Second. For the appointment of one Clerk in the Law and Adjustment Division, and one Clerk in the Stock and Bond Division, with salaries at $300 per annum each.

Third. For the restoration of the salary of a Clerk in the Office of the City Paymaster from $1,050 to $1,350 per annum, taking effect as of January 1, 1912.

Auditing Bureau, 51, Salaries, Regular Employees.

First. For the appointment of one Clerk at $750 per annum.

Second. For abolishing one position of Clerk at $1,650 per annum, and one position of Accountant at $1,800 per annum.

Revenue: Taxes, Assessments and Arrears, Miscellaneous, 52, Salaries, Regular Employees.

First. For the appointment of a Deputy Collector of City Revenue at $2,100 per annum from January 25, 1912.

Second. For the appointment of a Bank Messenger in the Bureau for the Collection of Taxes at $1,200 per annum.

Third. For abolishing one position of Collection Clerk at $1,350 per annum in the Office of the Collector of City Revenue and Superintendent of Markets, which position is now vacant, to take effect as of January 24, 1912.

Fourth. For abolishing eight positions of Adding and Billing Machine Operator at $1,050 per annum each, $8,400, and providing for eight Adding and Billing Machine Operators at $900 per annum each, $7,200.

Bureau of Municipal Investigation and Statistics, 54, Salaries, Regular Employees.

For abolishing one position of Expert Accountant at $2,500 per annum, and to provide for a salary of $2,500 per annum for position of Deputy Auditor of Accounts for one incumbent.

Resolutions (2)—one providing for changes in the Budget Schedule Lines as enumerated, and one providing for the transfer of funds in order to carry into effect the proposed modifications—are transmitted herewith for adoption.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the following modifications of the Schedules of Salaries supporting the appropriations made to the Department of Finance for the year 1912, entitled and as follows:

DEPARTMENT OF FINANCE.

49	Executive, Salaries, Regular Employees—	
	Deputy Comptroller, 2 at $7,500	$15,000 00
	Assistant Deputy Comptroller	6,0000 00
	Secretary to the Department	6,000 00
	Clerk to Comptroller	2,100 00
	Stenographer to Comptroller	1,500 00
	Chief Stock and Bond Clerk	5,000 00
	Examiner of Accounts of Institutions	5,000 00
	Appraiser of Real Estate	4,000 00
	Clerk	3,000 00
	Chief Clerk	2,800 00
	Clerk	2,800 00
	Clerk	2,650 00
	Clerk	2,400 00
	Clerk	2,250 00
	Clerk, 2 at $2,100	4,200 00
	Clerk	1,950 00
	Clerk, 4 at $1,800	7,200 00
	Clerk, 3 at $1,650	4,950 00
	Clerk	1,500 00
	Clerk, 6 at $1,350	8,100 00
	Clerk, 2 at $1,200	2,400 00
	Clerk, 8 at $1,050	8,400 00
	Clerk, 3 at $900	2,700 00
	Clerk, 5 at $750	3,750 00
	Clerk, 2 at $600	1,200 00
	Clerk, 5 at $540	2,700 00
	Clerk, 6 at $480	2,880 00
	Clerk, 14 at $300	4,200 00
	Searcher	1,350 00
	City Paymaster	6,000 00
	Deputy City Paymaster, 8 at $2,500	20,000 00
	Auditor of Accounts	6,000 00
	Auditor of Accounts, 2 at $4,000	8,000 00
	Auditor of Accounts, 2 at $3,000	6,000 00
	Deputy Auditor of Accounts	2,500 00
	Examiner	5,000 00
	Examiner	2,500 00
	Examiner, 5 at $2,100	10,500 00
	Examiner, 4 at $1,800	7,200 00
	Examiner, 4 at $1,650	6,600 00
	Examiner, 4 at $1,500	6,000 00
	Examiner	1,200 00
	Examining Inspector, 2 at $1,650	3,300 00
	Examining Inspector, 3 at $1,500	4,500 00
	Stenographer and Typewriter	1,650 00
	Stenographer and Typewriter, 2 at $1,500	3,000 00
	Stenographer and Typewriter, 8 at $1,350	10,800 00
	Stenographer and Typewriter, 4 at $1,200	4,800 00
	Stenographer and Typewriter, 2 at $1,050	2,100 00
	Stenographer and Typewriter	900 00
	Stenographer and Typewriter	750 00
	Typewriting Copyist	900 00
	Stenographer and Book Typewriter	1,050 00
	Bank Messenger, 2 at $1,200	2,400 00
	Messenger, 3 at $1,500	4,500 00
	Messenger, 3 at $1,350	2,700 00
	Messenger, 2 at $1,200	2,400 00
	Telephone Operator, 3 at $1,050	3,150 00
	Janitor	900 00
	Watchman, 3 at $900	2,700 00
	Laborer	900 00
	Cleaner	540 00
	Bookkeeper	4,000 00
	Bookkeeper	2,100 00
	Bookkeeper	1,500 00
	Bookkeeper, 4 at $1,350	5,400 00
	Bookkeeper, 5 at $1,200	6,000 00
	Cashier	1,800 00
	Cashier	1,500 00
	Financial Clerk, 2 at $2,250	4,500 00
	Financial Clerk, 3 at $1,950	5,850 00
	Financial Clerk	1,800 00
	Financial Clerk, 5 at $1,650	8,250 00
	Financial Clerk	1,500 00
	Financial Clerk, 8 at $1,350	10,800 00
	Financial Clerk, 4 at $1,200	4,800 00
	Financial Clerk	1,050 00
	Stock and Bond Clerk, 4 at $2,100	8,400 00
	Stock and Bond Clerk	1,950 00
	Bookbinder	1,350 00
	Bookbinder, 4 at $1,200	4,800 00
	Law Clerk	2,300 00
	Law Clerk	1,800 00
	Law Clerk, 2 at $1,200	2,400 00
	Medical Examiner	2,500 00
	Topographical Draftsman, 2 at $1,500	3,000 00
	Inspector of Sewer Construction	1,500 00
	Guard, 7 at $1,050	7,350 00
	Balance Unassigned	680 00
		$358,350 00
51	Auditing Bureau, Salaries, Regular Employees—	
	Auditor of Accounts	$6,000 00
	Auditor of Accounts, 2 at $4,000	8,000 00
	Auditor of Accounts, 3 at $3,500	10,500 00
	Auditor of Accounts, 11 at $3,000	33,000 00
	Auditor of Accounts	2,500 00
	Deputy Auditor of Accounts	2,500 00
	Expert Accountant	4,000 00
	Expert Accountant, 2 at $3,500	7,000 00
	Expert Accountant, 3 at $2,500	7,500 00
	Expert Accountant, 8 at $2,100	16,800 00
	Chief Accountant and Bookkeeper	6,000 00
	Accountant	4,000 00
	Accountant, 14 at $2,100	29,400 00
	Accountant, 17 at $1,800	30,600 00
	Accountant	1,650 00
	Accountant	1,350 00
	Statistician	2,100 00
	Clerk	4,500 00
	Clerk, 2 at $2,400	4,800 00
	Clerk, 5 at $2,100	10,500 00
	Clerk, 3 at $1,950	5,850 00
	Clerk, 5 at $1,800	9,000 00
	Clerk, 6 at $1,650	9,900 00
	Clerk, 11 at $1,500	16,500 00
	Clerk, 6 at $1,350	8,100 00
	Clerk, 4 at $1,200	4,800 00
	Clerk, 10 at $1,050	10,500 00
	Clerk, 2 at $900	1,800 00

Clerk, 4 at $750	3,000 00
Clerk	600 00
Clerk, 2 at $540	1,080 00
Clerk, 3 at $300	900 00
Disbursing Clerk, 2 at $2,250	4,500 00
Disbursing Clerk	1,650 00
Clerk with Special Knowledge as Cataloguer	750 00
Searcher	1,050 00
Bookkeeper	4,000 00
Bookkeeper	3,000 00
Bookkeeper, 2 at $2,400	4,800 00
Bookkeeper	2,250 00
Bookkeeper	2,100 00
Bookkeeper, 2 at $1,950	3,900 00
Bookkeeper	1,800 00
Bookkeeper, 2 at $1,650	3,300 00
Bookkeeper	1,500 00
Bookkeeper, 6 at $1,350	8,100 00
Bookkeeper, 24 at $1,200	28,800 00
Bookkeeper	1,050 00
Security Deposit Clerk	1,800 00
Cashier	2,100 00
Financial Clerk	1,950 00
Financial Clerk, 2 at $1,650	3,300 00
Financial Clerk	1,350 00
Financial Clerk, 3 at $1,200	3,600 00
Financial Clerk	1,050 00
Stenographer and Typewriter	1,650 00
Stenographer and Typewriter	1,500 00
Stenographer and Typewriter, 5 at $1,200	6,000 00
Stenographer and Typewriter, 2 at $900	1,800 00
Stenographer and Typewriter	750 00
Typewriting Copyist	1,050 00
Typewriting Copyist	750 00
Typewriting Copyist	600 00
Typewriting Accountant, 2 at $1,200	2,400 00
Bank Messenger, 3 at $1,200	3,600 00
Messenger	1,200 00
Examiner	6,000 00
Examiner	4,000 00
Examiner	2,550 00
Examiner, 4 at $2,100	8,400 00
Examiner, 3 at $1,950	5,850 00
Examiner	1,800 00
Examiner, 4 at $1,650	6,600 00
Examiner, 3 at $1,500	4,500 00
Examiner	1,350 00
Examiner, 2 at $1,200	2,400 00
Examiner, 2 at $1,050	2,100 00
Examining Inspector, 12 at $1,500	18,000 00
Examining Inspector	1,350 00
Inspector of Repairs and Supplies	2,550 00
Inspector of Repairs and Supplies, 3 at $1,800	5,400 00
Inspector of Repairs and Supplies	1,650 00
Inspector of Repairs and Supplies, 4 at $1,500	6,000 00
Inspector of Repairs and Supplies, 10 at $1,200	12,000 00
Inspector of Regulating, Grading and Paving, 2 at $1,500	3,000 00
Inspector of Regulating, Grading and Paving	1,350 00
Inspector of Regulating, Grading and Paving	1,200 00
Inspector of Sewer Construction	1,350 00
Inspector of Sewer Construction	1,200 00
Inspector of Sewers	1,800 00
Veterinarian	1,800 00
Assistant Engineer	3,000 00
Assistant Engineer	2,400 00
Assistant Engineer, 5 at $2,100	10,500 00
Assistant Engineer	1,800 00
Transitman and Computer	1,500 00
Examiner of Accounts of Institutions	3,000 00
Examiner of Accounts of Institutions	2,100 00
Examiner of Accounts of Institutions, 4 at $1,500	6,000 00
Balance unassigned	2,400 00
	$510,630 00

Revenue—Taxes, Assessments and Arrears, Miscellaneous.

52 Salaries, Regular Employees—	
Receiver of Taxes	$6,000 00
Deputy Receiver of Taxes, 2 at $4,000	8,000 00
Deputy Receiver of Taxes, 2 at $3,750	7,500 00
Deputy Receiver of Taxes, 3 at $2,500	7,500 00
Deputy Receiver of Taxes, 3 at $2,100	6,300 00
Collector of Assessments and Arrears	4,500 00
Deputy Collector of Assessments and Arrears	4,000 00
Deputy Collector of Assessments and Arrears	3,500 00
Deputy Collector of Assessments and Arrears, 2 at $2,250	4,500 00
Deputy Collector of Assessments and Arrears	2,000 00
Collector of City Revenue and Superintendent of Markets	3,000 00
Deputy Collector of City Revenue	2,100 00
Cashier	2,500 00
Cashier, 3 at $2,100	6,300 00
Cashier, 2 at $1,800	3,600 00
Cashier, 5 at $1,650	8,250 00
Cashier, 9 at $1,500	13,500 00
Cashier	1,350 00
Accountant	1,800 00
Accountant, 2 at $1,500	3,000 00
Bookkeeper	2,250 00
Bookkeeper, 2 at $1,800	3,600 00
Bookkeeper, 2 at $1,500	3,000 00
Bookkeeper	1,350 00
Bookkeeper, 5 at $1,200	6,000 00
Clerk	2,400 00
Clerk	2,250 00
Clerk	2,250 00
Clerk, 4 at $1,950	7,800 00
Clerk, 7 at $1,800	12,600 00
Clerk, 8 at $1,650	13,200 00
Clerk, 22 at $1,500	33,000 00
Clerk, 23 at $1,350	31,050 00
Clerk, 17 at $1,200	20,400 00
Clerk, 13 at $1,050	13,650 00
Clerk, 7 at $900	6,300 00
Clerk, 24 at $750	18,000 00
Clerk, 17 at $600	10,200 00
Clerk, 2 at $480	960 00
Clerk, 2 at $300	600 00
Financial Clerk	1,950 00
Financial Clerk	1,800 00
Financial Clerk, 2 at $1,650	3,300 00
Financial Clerk	1,500 00
Financial Clerk	1,050 00
Collection Clerk	1,650 00
Collection Clerk, 2 at $1,500	3,000 00
Collection Clerk, 2 at $1,350	2,700 00
Clerk with Special Knowledge of Handwriting	1,050 00
Searcher, 5 at $1,200	6,000 00
Searcher, 10 at $1,050	10,500 00
Stenographer and Typewriter	1,200 00
Stenographer and Typewriter	1,050 00
Stenographer and Typewriter, 2 at $900	1,800 00
Stenographer and Typewriter	750 00
Bank Messenger, 5 at $1,200	6,000 00
Messenger	1,350 00
Messenger	1,200 00
Messenger, 2 at $1,050	2,100 00
Adding and Billing Machine Operator, 8 at $900	7,200 00
Balance unassigned	
	$344,960 00

54 Bureau of Municipal Investigation and Statistics, Salaries, Regular Employees—

Supervising Statistician and Examiner	$6,000 00
Expert Accountant, 2 at $4,000	8,000 00
Expert Accountant, 2 at $3,500	7,000 00
Expert Accountant	2,500 00
Clerk, 2 at $2,100	4,200 00
Clerk	1,650 00
Clerk, 2 at $1,500	3,000 00
Clerk	1,350 00
Clerk	750 00
Clerk	600 00
Clerk, 2 at $300	600 00
Examiner	3,500 00
Examiner	3,000 00
Examiner	2,850 00
Examiner	2,550 00
Examiner	2,250 00
Examiner, 2 at $2,100	4,200 00
Auditor of Accounts	3,500 00
Deputy Auditor of Accounts	2,500 00
Principal Assistant Engineer	6,000 00
Assistant Engineer, 2 at $3,600	7,200 00
Assistant Engineer	3,000 00
Assistant Engineer	2,400 00
Assistant Engineer	1,800 00
Stenographer and Typewriter	1,200 00
Stenographer and Typewriter, 3 at $900	2,700 00
	$84,300 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves of the transfer of funds appropriated to the Department of Finance, for the year 1912, as follows:

FROM

Auditing Bureau.

51 Salaries, Regular Employees	$275 00

TO

Revenue—Taxes, Assessments and Arrears, Miscellaneous.

52 Salaries, Regular Employees	$275 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

—

The Secretary presented the following communication from the President of the Borough of The Bronx requesting, and report of the Comptroller recommending, the modification of Salary Schedules Nos. 1867 and 1891, supporting the appropriation made in the Budget for the year 1912, for the office of said Borough President, by changing the schedules to provide for the emergency work in removing street encumbrances:

City of New York, President of the Borough of The Bronx, 3d avenue and 177th street, office of the President, January 8, 1912.

To the Honorable the Board of Estimate and Apportionment:

Gentlemen—Request is hereby respectfully made for a modification of the schedule lines supporting the appropriations made to the office of the President of the Borough of The Bronx, for the year 1912, entitled and as follows, the same to take effect as of January 1, 1912, viz.:

Personal Service, Highways, Incumbrances.

1867 Wages, Temporary Employees—	
Foreman, Laborers, Carpenters and vehicular transportation	1,350 00

In the present appropriation, the same was scheduled for a Laborer and a Carpenter, and the purpose of this change is to make the total amount appropriated as an emergency fund, so that any portion of the maintenance force may be assigned at any time to collect any street incumbrances that may be neccessary. The requirements are too irregular to permit the establishment of schedule to show the period of service of each class named that would be required during the year.

Vehicular Transportation, Horses and Vehicles With Drivers.

1891 Highways—	
Driver, with team and vehicle, at $5 per day (14,470 days)	$72,350 00
Driver, with horse and vehicle, at $3 per day (1,050 days)	3,150 00
	$75,500 00

This change is necessary in order to provide for the services when required of a Driver with one horse and cart (which is quite frequent). The total appropriation is unchanged. Respectfully,

CYRUS C. MILLER, President, Borough of The Bronx.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 29, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 8, 1912, the President of the Borough of The Bronx requested modification of two schedules for the Bureau of Highways in his office for the year 1912. In connection therewith, I report as follows:

The request is in Incumbrances, No. 1867, Wages, Temporary Employees, and Vehicular Transportation, Horses and Vehicles, with Drivers, No. 1891, Highways. In No. 1867 it was proposed to make the $1,350 in the schedule available for "Foreman, Laborers, Carpenters and Vehicular Transportation." As this would not conform to the resolutions governing the Budget, the schedule, with the approval of the President, has been divided as follows:

Carpenters, 50 days at $4.50 per day	$225 00
Laborers, 400 days at $2.25 per day	900 00
Drivers, 75 days at $3 per day	225 00
	$1,350 00

The change is to provide for the emergency nature of the work of removing street incumbrances.

The schedule for No. 1891 is for Drivers, with teams and vehicles, at $5, for 15,100 days. The only change proposed is a decrease in this line item to provide for Drivers, with horses and vehicles, at $3, for 1,050 days.

The following table shows the line item changes in detail:

Code No.	Schedule Line.	Schedule Transfer. Increase.	Schedule Transfer. Decrease.	Cash Transfer. Increase.	Cash Transfer. Decrease.
1867	Carpenters, at $4.50 per day (100 days)	.....	$225 00	.....	$225 00
	Drivers	$225 00	.....	$225 00	.....
		$225 00	$225 00	$225 00	$225 00
1891	Driver, with team and vehicle, at $5 per day (15,100 days)	.....	$3,150 00	.....	$3,150 00
	Driver, with horse and vehicle, at $3 per day	$3,150 00	.....	$3,150 00	.....
		$3,150 00	$3,150 00	$3,150 00	$3,150 00

I recommend the approval of the request, with the amendment noted, by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the office of the President of the Borough of The Bronx, for the year 1912, as follows:

PRESIDENT, BOROUGH OF THE BRONX.

Personal Service, Highways, Incumbrances.

1867	Wages, Temporary Employees—	
	Carpenters, 50 days, at $4.50 per day	$225 00
	Laborers, 400 days, at $2.25 per day	900 00
	Drivers, 75 days, at $3 per day	225 00
		$1,350 00

Vehicular Transportation, Horses and Vehicles with Drivers.

1891	Highways—	
	Driver, with Team and Vehicle, at $5 per day (14,470 days)	$72,350 00
	Driver, with Horse and Vehicle, at $3 per day (1,050 days)	3,150 00
		$75,500 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented a report of the Comptroller recommending that the request of the Park Board for the modification of two salary schedules, Nos. 906 and 910, for the year 1912, to provide for an increase of $800 in the salary of the Secretary of the Park Board, be disapproved, for the reason that the request is contrary to the resolution adopted by the Board on October 5, 1911, relative to salary increases.

Which was laid over one week, February 8, 1912.

The Secretary presented the following communication from the Department of Bridges requesting, and report of the Comptroller recommending, the approval of the schedule, as revised, for said Department, Personal Service, Construction, Engineering, Corporate Stock Force, for the year 1912, to be effective as of January 1, 1912, providing for a decrease in the salary of 4 Assistant Engineers, from $2,400 to $2,100:

Department of Bridges, City of New York, 13-21 Park Row, Manhattan, N. Y., January 26, 1912.

Hon. WILLIAM A. PRENDERGAST, *Comptroller,* 280 Broadway, Manhattan:

Sir—I have to request a modification of the schedule supporting the corporate stock allowance made this Department, and that said schedule be revised to read as follows, to be effective as of January 1, 1912:

Construction—Engineering.

Salaries, Regular Employees, Corporate Stock Force—

Consulting Engineer, 3 at $7,500	$22,500 00
Assistant Engineer	6,000 00
Assistant Engineer	5,000 00
Assistant Engineer, 3 at $4,000	12,000 00
Assistant Engineer, 2 at $3,500	7,000 00
Assistant Engineer, 2 at $3,000	6,000 00
Assistant Engineer	2,700 00
Assistant Engineer, 1 at $2,400	2,400 00
Assistant Engineer, 9 at $2,100	18,900 00
Assistant Engineer, 7 at $1,800	12,600 00
Electrical Engineer	1,200 00
Transitman, 11 at $1,800	19,800 00
Transitman	1,500 00
Draftsman, 11 at $1,800	19,800 00
Leveler, 2 at $1,350	2,700 00
Toolman, 2 at $1,200	2,400 00
Rodman, 4 at $1,200	4,800 00
Steel Inspector	1,650 00
Axeman, 5 at $900	4,500 00
Automobile Engineman	1,200 00
Unassigned (pending)	1,200 00
	$155,850 00

This request is made so that the January, 1912, payrolls may be passed for payment and pending adjustment of necessary civil service requirements.

Respectfully, ARTHUR J. O'KEEFFE, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 29, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 26, 1912, the Commissioner of Bridges requested modification of a schedule for salaries of regular employees in his department for 1912. In connection therewith I report as follows:

The request is in Personal Service, Construction, Engineering, Salaries, Regular Employees, Corporate Stock Force. It is proposed to decrease four Assistant Engineers from $2,400 to $2,100, and schedule the $1,200 balance as unassigned.

It is stated that this change is necessary for the reason that the Municipal Civil Service Commission has not yet approved the $2,400 rate for the incumbents. The modification required in order that the January payroll of this force may be passed for payment.

The line item changes, in detail, are as follows:

Line Item.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
Assistant Engineer, 5 at $2,400	$9,600 00	.....	$9,600 00	.....
Assistant Engineer, 5 at $2,100	.....	$8,400 00	.....	$8,400 00
Balance Unassigned	.....	1,200 00	.....	1,200 00
	$9,600 00	$9,600 00	$9,600 00	$9,600 00

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Bridges, for the year 1912, to be effective as of January 1, 1912, as follows:

DEPARTMENT OF BRIDGES.

Personal Service, Construction, Engineering, Salaries, Regular Employees, Corporate Stock Force.

Consulting Engineer, 3 at $7,500	$22,500 00
Assistant Engineer	6,000 00
Assistant Engineer	5,000 00
Assistant Engineer, 3 at $4,000	12,000 00
Assistant Engineer, 2 at $3,500	7,000 00
Assistant Engineer, 2 at $3,000	6,000 00
Assistant Engineer	2,700 00
Assistant Engineer	2,400 00
Assistant Engineer, 9 at $2,100	18,900 00
Assistant Engineer, 7 at $1,800	12,600 00
Electrical Engineer	1,200 00
Transitman, 11 at $1,800	19,800 00
Transitman	1,500 00
Draftsman, 11 at $1,800	19,800 00
Leveler, 2 at $1,350	2,700 00
Toolman, 2 at $1,200	2,400 00
Rodman, 4 at $1,200	4,800 00
Steel Inspector	1,650 00
Axeman, 5 at $900	4,500 00
Automobile Engineman	1,200 00
Balance unassigned	1,200 00
Schedule total	$155,850 00
Corporate stock allowance	155,850 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Health requesting, and report of the Comptroller recommending, modification of the schedule, as revised, for said Department for the year 1912, Corporate Stock Force, Tuberculosis Sanatorium, Otisville, New York, by providing for employees engaged on new construction work:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 29, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—Two regular employees paid from corporate stock, in connection with construction work by departmental labor at the Tuberculosis Sanatorium, Otisville, N. Y., were not included in the schedules of salaries in the estimate of the Department of Health for 1912. It is, therefore, necessary to modify the regular corporate stock schedule for the Sanatorium to include the two incumbents. It is also necessary to approve a schedule for 89 temporary employees, including 66 laborers, engaged on the new construction work. I recommend the adoption of the attached resolutions approving the modification and new schedule.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedule, as revised, for the Department of Health for the year 1912, as follows:

DEPARTMENT OF HEALTH.

Personal Service, Hospitals, Tuberculosis Sanatorium, Otisville.

Salaries, Regular Employees, Corporate Stock Force—	
Sanitary Inspector	$2,550 00
Architectural Draftsman	1,200 00
Plumber	900 00
Schedule total	$4,650 00
Corporate stock allowance	4,650 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedule for the Department of Health for the year 1912, as follows:

DEPARTMENT OF HEALTH.

Personal Service, Hospitals, Tuberculosis Sanatorium, Otisville.

Salaries, Temporary Employees, Corporate Stock Force—	
Carpenter, at $936 (216 months)	$16,848 00
Carpenter, at $720 (60 months)	3,600 00
Plumber, at $900 (12 months)	900 00
Laborer, at $900 (12 months)	900 00
Laborer, at $780 (24 months)	1,560 00
Laborer, at $720 (132 months)	7,920 00
Laborer, at $600 (60 months)	3,000 00
Laborer, at $480 (552 months)	22,080 00
Laborer, at $360 (12 months)	360 00
Schedule total	$4,650 00
Corporate stock allowance	57,168 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communications from the Department of Health requesting, and report of the Comptroller recommending approval pursuant to resolution adopted July 17, as amended August 31, 1911, of the form of contract, specifications and plans (as amended) and estimate of cost ($75,000), for the erection of an Isolation Pavilion on the grounds of the Kingston Avenue Hospital, Brooklyn, under the jurisdiction of said Department:

Department of Health, City of New York, S. W. Corner 55th Street and 6th Avenue, Borough of Manhattan, Office of the Secretary, New York, December 12, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller, City of New York:*

Sir—In accordance with the resolution adopted by the Board of Estimate and Apportionment on January 6, 1911, I am forwarding herewith plans and specifications for an isolation pavilion on the grounds of the Kingston Avenue Hospital, Borough of Brooklyn, at an approximate cost of $75,000, with the request that you will be good enough to cause said plans and specifications and estimate of cost to be submitted to the Board of Estimate and Apportionment for approval.

Respectfully, EUGENE W. SCHEFFER, Secretary.

Department of Health, City of New York, S. W. Corner 55th Street and 6th Avenue, Borough of Manhattan, Office of the Secretary, New York, December 15, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller, City of New York:*

Sir—At a meeting of the Board of Health, the Department of Health, held December 12, 1911, the following resolutions were adopted:

Resolved, That the final plans and specifications as prepared and submitted by Percy Griffin, of No. 30 Church street, Borough of Manhattan, architect for the

isolation pavilion to be erected on the grounds of the Kingston Avenue Hospital, Borough of Brooklyn, be and the same are hereby approved and accepted.

Resolved, That the Board of Estimate and Apportionment be and it is hereby respectfully requested to approve of the final plans and specifications for the erection of an isolation pavilion on the grounds of the Kingston Avenue Hospital, Borough of Brooklyn, at a cost of $75,000, to be charged to corporate stock described as C. D. H.—6.

A true copy. EUGENE W. SCHEFFER, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 12, 1911, the Board of Health requested approval of the form of contract, specifications, plans and estimate of cost in the sum of $75,000 for the erection and completion of an isolation pavilion on the grounds of the Kingston Avenue Hospital, Borough of Brooklyn.

The cost of the work is to be charged to the corporate stock fund entitled, "C. D. H.—6, Department of Health Building Fund." The appropriation, in the sum of $796,822.91, was approved by the Board of Estimate and Apportionment on June 3, 1910, and by the Board of Aldermen on June 21, 1910. There is an unencumbered balance in the fund of $160,609.48.

The form of contract and specifications have been amended in about eighty items. The plans have also been amended. In their amended form the form of contract, plans and specifications are satisfactory.

The plans and specifications for the electrical work have been approved by the Department of Water Supply, Gas and Electricity. The estimate of cost is reasonable.

I recommend the adoption of the attached resolution approving the form of contract, specifications and plans, as amended, and the estimate of cost.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution adopted on July 17, 1911, as amended on August 31, 1911, hereby approves the form of contract, specifications and plans (as amended), and the estimate of cost, seventy-five thousand dollars ($75,000), for the erection of an isolation pavilion on the grounds of the Kingston Avenue Hospital, Borough of Brooklyn, under the jurisdiction of the Department of Health, the cost of the work to be charged to the Corporate Stock Fund, entitled "C. D. H.—6, Department of Health Building Fund."

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Bellevue and Allied Hospitals requesting, and report of the Comptroller recommending, the transfer of $3,150 from account 208, within the appropriation made to said Department, for the year 1912, to the appropriation for the year 1912, entitled "1631, Miscellaneous, City-Special Contract Obligations and Rents, for The City of New York," to provide for the rental of premises used as a dormitory for trained nurses at Gouverneur Hospital; also, recommending modification of Salary Schedule 208, by reducing the salaries of 25 Nurses from $800 to $600 per annum, adding a Hospital Helper at $360 and a Laundress at $240 per annum for the new dormitory, and also increasing the appropriation for Nurses at $600 per annum, at Gouverneur Hospital, by $1,250:

Bellevue and Allied Hospitals, Office of the Board of Trustees, 1st Avenue and 26th Street, New York, January 12, 1912.

Hon. JOSEPH HAAG, *Secretary, Board of Estimate and Apportionment,* 277 Broadway, New York City:

Sir—The Trustees of Bellevue and Allied Hospitals have the honor to request the Board of Estimate and Apportionment to transfer the sum of $3,150 from the appropriation "208, Gouverneur Hospital, Operation, Salaries, Temporary Employees" to the apropriation for rents or such other apropriation as the Board of Estimate and Aportionment considers best suited for the purpose. This request is made in acordance with the resolution adopted by the Commissioners of the Sinking Fund on November 22, authorizing the lease of the premises 199 and 201 Monroe street for use as a dormitory for the Trained Nurses of Gouverneur Hospital. It will be recalled that in the Budget for 1912 the sum of $20,000 was allowed for the payment of 25 Nurses at $800 each, to replace the Pupil Nurses formerly supplied to Gouverneur Hospital by the Department of Public Charities. The usual salary of a Trained Nurse is $600, but $800 was allowed, inasmuch as it was thought necessary to have the women live outside of the hospital. owing to lack of accommodations for them. Now, however, premises have been secured for them, and their salaries will be reduced to $600. An additional Laundress and two Helpers, whose services are required in connection with the new residence, will be provided for, the funds also being taken from the saving in the nursing fund as a result of the change. Respectfully, J. K. PAULDING, Secretary, Board of Trustees.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 29, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 12, 1912, the Board of Trustees of Bellevue and Allied Hospitals requested the transfer of $3,150 from No. 208, Gouverneur Hospital, Operation, Salaries, Temporary Employees, to Miscellaneous, Special Contract Obligations, Rents, No. 1631, for The City of New York. In connection therewith I report as follows:

On November 22, 1911, the Commissioners of the Sinking Fund adopted a resolution requesting the Corporation Counsel to prepare a lease to the City of Nos. 199 and 201 Monroe street, Borough of Manhattan, for use as a dormitory for Trained Nurses of Gouverneur Hospital. The annual rental was fixed at $3,150. This authorization was conditioned upon the recommendation of your board, fixing the salaries of the Nurses to occupy these quarters at $600 with maintenance, instead of $800 per annum, without maintenance. Upon the compliance by the Board of Trustees with these conditions, the Comptroller was authorized to execute the lease as prepared and approved by the Corporation Counsel.

It is proposed to modify No. 208 by reducing the salaries of 25 Nurses from $800 to $600 per annum, a saving of $5,000. In fixing the rate at $800 per annum in the Budget for 1912, $200 was included for self maintenance. Quarters for the Nurses were not then available at Gouverneur Hospital. It was understood that when a dormitory was provided the $200 per annum would be deducted from the allowance of $800 to each Nurse.

A Hospital Helper, at $360 per annum, and a Laundress, at $240, for the new dormitory are to be provided for out of the $5,000 released. The appropriation for Nurses, at $600 per annum, at Gouverneur Hospital is to be increased by $1,250, for the reason that the number of Nurses is insufficient. The balance of $3,150 is to be transferred to No. 1631, as proposed by the Commissioners of the Sinking Fund.

In view of the foregoing, I recommend that the request be approved by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Bellevue and Allied Hospitals for the year 1912, to be effective as of January 1, 1912, as follows:

DEPARTMENT OF BELLEVUE AND ALLIED HOSPITALS.

Gouverneur Hospital, Operation.

208	Salaries, Temporary Employees—	
	Trained Nurse (Social Service), at $900 (36 months)	$2,700 00
	Trained Nurse, at $720 (60 months)	3,600 00
	Trained Nurse, at $600 (433 months)	21,650 00
	Hospital Helper, at $480 (36 months)	1,440 00
	Hospital Helper, at $360 (72 months)	2,160 00
	Hospital Helper, at $300 (96 months)	2,400 00
	Hospital Helper, at $240 (480 months)	9,600 00
	Hospital Helper, at $180 (144 months)	2,160 00
	Cook (12 months)	720 00
	Cook (12 months)	360 00
	Cook (12 months)	300 00
	Cook (12 months)	240 00
	Cook (12 months)	192 00
	Waitress, at $216 (36 months)	648 00
	Seamstress (12 months)	240 00
	Seamstress (12 months)	180 00
	Laundryman (12 months)	600 00
	Laundryman (12 months)	240 00
	Laundress (12 months)	360 00
	Laundress (24 months)	480 00
	Laundress, at $180 (48 months)	720 00
		$50,990 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves, transfer of funds appropriated to the Department of Bellevue and Allied Hospitals for the year 1912, as follows:

	FROM	
208	Department of Bellevue and Allied Hospitals, Gouverneur Hospital, Operation, Salaries, Temporary Employees	$3,150 00
	TO	
1631	Miscellaneous, City, special contract obligations, Rents, for The City of New York	$3,150 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following resolution of the Board of Aldermen requesting the issue of $1,200 special revenue bonds (subdivision 8, section 188 of the Charter), for the purpose of paying the salary of a Messenger in the office of the City Clerk for the year 1912, together with a report of the Comptroller recommending an issue of $1,100 for this purpose, and also recommending approval of a schedule for said fund.

(On January 18, 1912, the resolution of the Board of Aldermen, requesting an issue of $1,200 special revenue bonds for the above purpose, was referred to the Comptroller.)

In the Board of Alderemn.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of twelve hundred dollars ($1,200), the proceeds whereof to be used by the City Clerk for the purpose of paying the salary of a Messenger in his office for the year 1912.

Adopted by the Board of Aldermen December 29, 1911, three-fourths of all the members elected voting in favor thereof.

Received from his Honor the Mayor January 11, 1912, with his approval.

P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 23, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 29, 1911, the Board of Aldermen requested $1,200 in special revenue bonds, the "proceeds to be used by the City Clerk for the purpose of paying the salary of a Messenger in his office for the year 1912." In connection therewith I report as follows:

The request is to provide for the employment of Thomas J. Leahy as Messenger in the office of City Clerk, at $1,200 per annum. Mr. Leahy was an Assistant Sergeant-at-Arms of the Board of Aldermen for two years, and during that period was faithful and efficient in the discharge of his duties. The City Clerk states that a Messenger is necessary for the proper transaction of the business of his office, for the reason that Clerks are frequently called upon to act as Messengers, and that such assignments interfere with their regular duties. He further states that Mr. Leahy's experience and services as an employee of the Board of Aldermen qualify him especially for the work. It is proposed to appoint the incumbent on February 1, 1912, thereby making $1,100 necessary to the end of the year.

I recommend the adoption of the attached resolutions granting the request to the extent of $1,100, and approving a schedule for the fund. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on December 29, 1911, requesting an issue of special revenue bonds in the sum of one thousand two hundred dollars ($1,200), the proceeds whereof to be used by the City Clerk for the purpose of paying the salary of a Messenger in his office for the year 1912, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment to the extent of one thousand one hundred dollars ($1,100), and for the purpose of providing means therefor the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York to an amount not exceeding one thousand one hundred dollars ($1,100), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule as revised for the Board of Aldermen and City Clerk for the year 1912, to take effect February 1, 1912, as follows:

BOARD OF ALDERMEN AND CITY CLERK.

Personal Service.

City Clerk, Manhattan, Salaries, Regular Employees.

	Paid from Tax Levy Appropriation.	Paid from S. R. B. Appropriation.	Total.
First Deputy	$5,000 00	.....	$5,000 00
Cashier	2,500 00	.....	2,500 00
Bond Clerk	2,500 00	.....	2,500 00
Custodian	2,000 00	.....	2,000 00
Electric Sign Clerk	1,800 00	.....	1,800 00
Clerk, 2 at $2,250 each	4,500 00	.....	4,500 00
Telephone Operator	1,300 00	.....	1,300 00
Stenographer and Typewriter	1,050 00	.....	1,050 00
Clerk in Charge of Marriage License Bureau	2,500 00	.....	2,250 00
Clerk	2,250 00	.....	2,250 00
Clerk, 6 at $1,200 each	7,200 00	.....	7,200 00
Italian Interpreter	1,200 00	.....	1,200 00
Hebrew Interpreter	1,200 00	.....	1,200 00
Messenger	.....	$1,200 00	1,200 00
Schedule total			$36,200 00
Tax Levy Part Allowance			35,000 00
Rate of Special Revenue Bonds Part Allowance			1,200 00
Total allowance			$36,200 00

Which was adopted by the following vote:
Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller recommending approval, pursuant to resolution adopted July 17, as amended August 31, 1911, of the form of contract, plans, specifications and estimate of cost ($112,000), for furnishing, delivering and laying water mains in various streets in the Borough of Manhattan, under the jurisdiction of said Department:

Department of Water Supply, Gas and Electricity, Bureau of Supplies, Room 1904, 13-21 Park Row, City of New York, January 4, 1912.

Hon. WM. A. PRENDERGAST, *Comptroller:*

Dear Sir—I transmit herewith, for report by you to the Board of Estimate and Apportionment, in accordance with resolutions adopted by said Board on July 17 and August 31, 1911, forms of contract, etc., for the following, viz.:

(1) Furnishing, delivering and laying water mains in 1st, 5th and Park avenues, in East 23d, East 24th, East 25th, East 29th, East 84th, East 93d, and exterior streets, Borough of Manhattan. Estimated cost, $112,000.

(2) Furnishing, delivering and laying high-pressure fire service mains and appurtenances in Ann, Barclay, Beaver, Beekman, Bridge, Broad, Cedar, Centre, Chambers, Cortlandt, Dey, Edgar, Frankfort, Front, Fulton, Greenwich, Hanover, John, Liberty, Mail, Moore, Morris, Murray, Nassau, New, Pearl, Pine, Rector, South, South William, State, Stone, Thames, Vesey, Wall, Warren, Washington, Water, West, Whitehall and William streets, and in Battery place, Broadway, Coenties alley, Coenties slip, Exchange place, Maiden lane, Mill lane, Old slip, Park place, Park row, Trinity place, Tryon row and West Broadway. Estimated cost, $750,000.

As the present rising market of cast iron pipe will materially affect the cost of these contracts, I would respectfully request that they be returned at the earliest possible date, in order that bids may be advertised for. Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 4, 1912, the Commissioner of Water Supply, Gas and Electricity requested approval of the form of contract, plans, specifications and estimate of cost, in the sum of $112,000, for furnishing, delivering and laying water mains in 1st, 5th and Park avenues and in East 23d and other streets in the Borough of Manhattan.

The cost is to be paid from a corporate stock fund of $180,000, from which no expenditures have been made, approved by the Board of Estimate and Apportionment on July 17, 1911, and by the Board of Aldermen on July 25, 1911, and entitled, "C. D. W.—13F, Water Fund, Boroughs of Manhattan and The Bronx, Additional Small Distribution Mains."

The form of contract and specifications are satisfactory and the estimate of cost is reasonable.

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 17, 1911, as amended on August 31, 1911, hereby approves the form of contract, plans, specifications and estimate of cost in the sum of one hundred and twelve thousand dollars ($112,000), for furnishing, delivering and laying water mains in 1st, 5th and Park avenues; in East 23d, East 24th, East 25th, East 29th, East 84th, East 93d and Exterior streets, Borough of Manhattan, under the jurisdiction of the Department of Water Supply, Gas and Electricity; the cost to be paid from the corporate stock fund entitled, "C. D. W.—13F, Water Fund, Boroughs of Manhattan and The Bronx, Additional Small Distribution Mains."

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following resolution from the Board of Education requesting, and report of the Committee on Salaries and Grades recommending, that the compensation of certain Janitors in the Department of Education, be fixed temporarily and until further modified:

(On January 18, 1912, a resolution of the Board of Education relative to the above matter was referred to said Committee.)

Resolved, That the Board of Estimate and Apportionment be and it is hereby respectfully requested to recommend to the Board of Aldermen that the compensation of Janitors of public school buildings, etc., be fixed in accordance with the following list, taking effect on the date indicated in each instance:

Transfers.

Name.	From P. S.	To. P. S.	Annual Compensation.	Taking Effect.
Thomas Slowey, Jan.....	144, Man.	112, Man.....	$1,116 00	Jan. 2, 1912
Hugh Douglass, Jan. S. H..	W. I. H. S.	26, Bronx....	2,088 00	Jan. 13, 1912
James J. Lenahan, Jan.....	14, Rich.	20, Bklyn.....	1,128 00	Jan. 13, 1912
Edward S. Jones, Jan.-Eng.	8, Rich.	32, Rich.....	1,236 00	Jan. 13, 1912

Temporary Assignments.

Name.	Assigned to	Compensation.	Taking Effect.
John O'Sullivan.....	P. S. 79, Manhattan.....	$150 per mo.	Dec. 23, 1911
William Kirkman.....	P. S. 32, An., Queens....	50 per mo.	Dec. 28, 1911
John J. Moran.....	W.I.H.S., An., 146 Grand st.	85 per mo.	Jan. 1, 1912
Frank P. Mulvenna.....	P. S. 106, Manhattan.....	90 per mo.	Jan. 1, 1912
Emil Hasenstab.....	P. S. 18, Brooklyn.....	100 per mo.	Jan. 1, 1912
George Morgan.....	P. S. 144, Manhattan.....	60 per mo.	Jan. 2, 1912
Patrick Guina.....	P. S. 134, Manhattan.....	50 per mo.	Jan. 4, 1912
Henry Claar.....	P. S. 33, Richmond.....	50 per mo.	Jan. 2, 1912

Changes in Compensation.

Janitor of Public School 9, The Bronx, $100 per annum, in addition to his present compensation, for the care of the office of the Deputy Superintendent of School Buildings located in his building, taking effect January 1, 1912.

A true copy of resolution adopted by the Board of Education on January 10, 1912.

A. E. PALMER, Secretary, Board of Education.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 23, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On Janaury 10, 1912, the Board of Education requested the fixation, pursuant to the provisions of section 56 of the Charter, of rates of compensation for Janitors of Public Schools 112, 79, Washington Irving High School Annex, located at No. 146 Grand street; 106, 144, 134, Manhattan, 26, 9, The Bronx, 20, 18, Brooklyn, 32 Annex, Queens, and 32 and 33, Richmond. The only increase in rate is in the case of the Janitor of Public School 9, The Bronx, who is to receive $100 extra per annum for the care of the office, in the school building, of the Deputy Superintendent of School Buildings of that Borough.

We recommend that the request be granted by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; Select Committee.

The following resolution was offered:

Whereas, By opinions of the Corporation Counsel, as of June 28, 1910, and July 30, 1910, the Comptroller was advised that the payment of salaries of Janitors in the Department of Education is illegal unless such salary shall have been established under the provisions of section 56 of the Greater New York Charter; and

Whereas, The matter of adjusting the compensation of Janitors and the fixation of their salaries under the provisions of section 56 of the Charter is now in the hands of a Special Committee of the Board of Estimate and Apportionment; therefore, be it

Resolved, That, pursuant to the provisions of section 56 of the Charter, the Board of Estimate and Apportionment hereby recommends to the Board of Aldermen, pending the report of said Committee, the compensation of Janitors in the Department of Education be fixed temporarily, and until further modified, in accordance with the following list:

Title.	School.	Compensation.
Janitor	112, Manhattan	$1,116 per annum.
Janitor, with knowledge of steam heating.....	26, The Bronx.....	2,088 per annum.
Janitor	20, Brooklyn	1,128 per annum.
Janitor-Engineer	32, Richmond	1,236 per annum.
Janitor	79, Manhattan	150 per month.
Janitor	32, (annex) Queens.....	50 per month.
Janitor	Washington Irving High School Annex, No. 146 Grand street, Manhattan.	85 per month.
Janitor	106, Manhattan	90 per month.
Janitor	18, Brooklyn	100 per month.
Janitor	144, Manhattan	60 per month.
Janitor	134, Manhattan	50 per month.
Janitor	33, Richmond	50 per month.

Janitor of Public School 9, The Bronx, $100 per annum, in addition to his present compensation, for the care of the office of the Deputy Superintendent of School Buildings, located in Public School 9.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Street Cleaning requesting, and report of Select Committee recommending, establishment of the posiiton of Guard, at $1,200 per annum, in said Department, for one incumbent:

(On December 21, 1911, the request of the Commissioner of Street Cleaning for the establishment of this grade was referred to the above Committee.)

Department of Street Cleaning of The City of New York, 13-21 Park Row, New York, December 20, 1911.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment, City of New York:*

Sir—I respectfully request that your Board establish in the Department of Street Cleaning the position of Guard, at a salary of twelve hundred dollars ($1,200) per annum, to perform the duties which were performed by the police officer formerly assigned to this Department by the Police Department. Respectfully,

WM. H. EDWARDS, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 20, 1911, the Commissioner of Street Cleaning requested the establishment in his Department, pursuant to the provisions of section 56 of the Greater New York Charter, of the position of Guard, at $1,200 per annum, for one incumbent. In connection therewith we report as follows:

The Commissioner states that the Guard is to replace a Patrolman recently withdrawn from his office by the Police Commissioner. He states that there is need for a Guard to handle men of the Street Cleaning force calling in the office, and especially at the trial of street cleaning employees under charges. Since the withdrawal of the Patrolman a Messenger has been assigned to the work, and the Commissioner states that the incumbent is required for his regular duties.

In view of the foregoing we recommend the adoption of the attached resolution approving the request. Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen, Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the Department of Street Cleaning of the position, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Guard	$1,200 00	1

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Correction requesting, and report of Comptroller recommending, a modification of Salary Schedule No. 256, said Department:

City of New York, Department of Correction, January 17, 1912.

JOSEPH HAAG, Esq., *Secretary, Board of Estimate and Apportionment,* 277 Broadway, New York City:

Dear Sir—I would respectfully ask the honorable the Board of Estimate and Apportionment to authorize the revision of Schedule No. 256: Salaries, Regular Employees, Workhouse, B. I., for the year 1912, as per attached copy.

Inasmuch as no additional appropriation will be required, I trust your honorable Board will take favorable action thereon. Very respectfully,

PATRICK A. WHITNEY, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 17, 1912, the Commissioner of Correction requested modification of a salary schedule for his Department for the year 1912. In connection therewith I report as follows:

The request is in No. 256, Salaries, Regular Employees, Workhouse. The present schedule provides for the employment of six Hospital Helpers at $600, and twelve at $480. A vacancy in the $600 grade has been filled by an appointment at $480, leaving an unassigned balance of $120.

The following table shows the line item changes in detail:

Account No.	Schedule Line.	Schedule Transfer. Increase.	Schedule Transfer. Decrease.	Cash Transfer. Increase.	Cash Transfer. Decrease.
256	Hospital Helper, 6 at $600.....	.....	$600 00	.....	$600 00
	Hospital Helper, 12 at $480....	$480 00	.....	$480 00	.....
	Unassigned balance	120 00	.....	120 00	.....
		$600 00	$600 00	$600 00	$600 00

I recommend the adoption of the attached resolution approving the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Correction for the year 1912, to take effect as of January 1, 1912, as follows:

DEPARTMENT OF CORRECTION.

Personal Service, Operation, Workhouse.

256	Salaries, Regular Employees—	
	Butcher	$1,050 00
	Shoemaker	900 00
	Driver	600 00
	Hospital Helper, 5 at $600	3,000 00
	Hospital Helper, 13 at $480	6,240 00
	Cook	720 00
	Orderly (female)	400 00
	Orderly (female), 15 at $360	5,400 00
	Orderly (male), 3 at $240	720 00
	Orderly (male), 8 at $360	2,880 00
	Nurse, 4 at $360	1,440 00
	Keeper (35)	39,100 00
	Balance unassigned	120 00
		$62,570 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Public Service Commission for the First District, requesting the authorization of $252,500, corporate stock, to pay for real estate and easements necessary for the construction and operation of the Manhattan-Brooklyn Loop Lines Subway, running under Centre street and connecting with the Williamsburg Bridge and the Manhattan Bridge by way of Delancey street and Canal street, together with a report of the Corporate Stock Budget Committee recommending the approval of said request:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau street, New York, January 19, 1912.

To the Board of Estimate and Apportionment of The City of New York:

On December 23, 1910, the Public Service Commission for the First District made requisition upon your honorable Board for the authorization of corporate stock of The City of New York in the sum of $1,850,000 to pay the estimated expense of the acquisition of real estate or of interests therein necessary for the construction and operation of the rapid transit railroad known as the Brooklyn Loop Lines, Manhattan. Pursuant to this requisition, your Board, on January 12, 1911, authorized the issue of corporate stock to an amount not exceeding $1,200,000. This sum of $1,200,000 has now been almost totally exhausted. As the Commission advised you in its communication of December 23, 1910, certain permanent and temporary rights and easements had been condemned for the construction and operation of the Brooklyn Loop Lines in the property No. 512 Pearl street and 52 and 54 Centre street, title to which vested in the City by condemnation on December 15, 1910. The owner of this property is the Cedarwold Realty Company, which also owns the adjoining property, No. 510 Pearl street and No. 56 Centre street. The Commission on behalf of the City has recently entered into a contract with the Cedarwold Realty Company for the purchase of the property Nos. 510 and 512 Pearl street and 52, 54 and 56 Centre street for the sum of $235,000, with interest from December 15, 1910, the date when title to the easements condemned vested in the City. By the terms of this agreement the Cedarwold Realty Company, in addition to selling the property, also agrees to assign to the City any award which may be made in the condemnation proceedings instituted to acquire the easements. It seemed to the Commission under all the circumstances of this case, and particularly in view of the amount of an award already made for an easement in other property embraced in the same condemnation proceeding, much more economical and advantageous to the City to acquire all this property in fee than to take simply an easement.

Since the decision of the Commission to acquire all this property in fee, the report of the Corporate Stock Budget Committee of your Board recommending a site for the proposed new Court House has been made and approved. The property of the Cedarwold Realty Company is included in this site. If the contract for the purchase of this property should not be carried out, therefore, it would be necessary for the City to proceed with the present easement condemnation proceedings and subsequently either to condemn or to purchase the entire plot in fee. This might not only mean double condemnation expenses, but would probably mean that the Cedarwold Company would ultimately receive a larger sum for its property on account of the City having taken it in two pieces instead of all at once. Furthermore, it seems more advisable to acquire the property now than to wait until it has enhanced in value.

In order to carry out the contract for the purchase of this property and to insure the title, the sum of approximately two hundred and fifty-two thousand five hundred dollars ($252,500) will be necessary. The Public Service Commission for the First District, therefore, hereby requests your honorable Board, pursuant to the requisition of December 23, 1910, which has not yet been wholly satisfied, to authorize the issuance and sale by the Comptroller of a further amount of corporate stock of The City of New York, on account of the said requisition, in addition to the amounts of corporate stock already authorized to be issued, sufficient to pay the estimated expense of the acquisition of real estate or of interests therein necessary for the construction and operation of the rapid transit railroad known as the Brooklyn Loop Lines, that is to say, the sum of two hundred and fifty-two thousand five hundred dollars ($252,500).

Dated, New York, January 19, 1912.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT,
By W. R. WILLCOX, Chairman.

Attest: JAMES B. WALKER, Acting Secretary.

Resolved, That this Commission make requisition upon the Board of Estimate and Apportionment of The City of New York for the authorization of a further amount of corporate stock of The City of New York, to be issued and sold by the Comptroller, pursuant to and on account of the requisition made by this Commission upon the said Board of Estimate and Apportionment on December 23, 1910, which has not yet been wholly satisfied, in addition to the amounts of corporate stock already authorized to be issued, sufficient to pay the estimated expense of the acquisition of real estate or of interests therein necessary for the construction and operation of the Rapid Transit Railroad known as the Brooklyn Loop Lines, Manhattan, that is to say, the sum of two hundred and fifty-two thousand five hundred dollars ($252,500), and that the Chairman and the Secretary be and they hereby are authorized and directed to send a communication, including such requisition, to the said Board of Estimate and Apportionment in the following form:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 20, 1912, the Public Service Commission for the First District made requisition on the Board of Estimate and Apportionment for the authorization of corporate stock to the amount of two hundred and fifty-two thousand five hundred dollars ($252,500) to pay for real estate and easements necessary for the construction and operation of the Manhattan-Brooklyn Loop Lines Subway, running under Centre street and connecting with the Williamsburg Bridge and the Manhattan Bridge by way of Delancey street and Canal street. This requisition was referred to the Corporate Stock Budget Committee. In connection therewith we report as follows:

This requisition makes a total of $2,452,500 for real estate and easements along the Manhattan portion of the loop, not including the cost of certain property in City Hall place, Centre street and Pearl street.

Corporate stock to the amount of $1,000,000 was authorized by the Board at the request of the Public Service Commission on October 16, 1907.

On December 23, 1910, the Public Service Commission made further requisition on the Board for $1,800,000. On January 12, 1911, the Board authorized $1,200,000, making the total authorizations for this account $2,200,000, exclusive of the present application.

The present demand is to meet the expense of purchasing in fee the property known as 510 and 512 Pearl street and 52-54 and 56 Chambers street. Easements for rapid transit purposes in a part of this property have been condemned, title vesting in the City on December 15, 1910. The awards have not been confirmed, but will draw interest at the rate of 6 per cent. per annum from December 15, 1910.

It is now proposed to purchase the entire property, part of the consideration being that the Cedarwold Realty Company, the owner, shall assign to the City any award which may be made in condemnation proceedings to acquire easements.

This property is within the area of the site of the proposed Court House and if not acquired now will have to be taken in the Court House proceeding, and the City will be obliged to pay for the value of easements condemned in addition to the fee value.

We recommend the authorization of corporate stock to the amount of $252,500 to pay for the acquisition of real estate or of interest therein necessary for the construction and operation of the Brooklyn Loop Lines. A resolution is attached hereto which, if adopted, will carry the above recommendation into effect.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan, Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 37 of chapter 4, Laws of 1891, and chapter 429, Laws of 1907, and a requisition of the Public Service Commission, for the First District, duly made by the Chairman and Secretary thereof, on January 19, 1912, for an appropriation of two hundred and fifty-two thousand five hundred dollars ($252,500), for the acquisition of real estate, or interest therein, necessary for the construction and operation of the Rapid Transit Railroad, known as the Brooklyn Loop Lines, Borough of Manhattan, the Comptroller be and is hereby authorized to issue corporate stock of The City of New York on account of said requisition, to an amount not exceeding two hundred and fifty-two thousand five hundred dollars ($252,500), for the purposes aforesaid.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of Comptroller recommending, transfers aggregating $5,500 within the appropriation to said Department from the Brooklyn Water Revenues, for the maintenance of the water supply in the Borough of Brooklyn during 1911:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, January 24, 1912.

JOSEPH HAAG, Esq., *Secretary, Board of Estimate and Apportionment,* 277 Broadway, New York:

Dear Sir—The expense of operation, by the contractors, of the new pumping machinery at the Ridgewood Station, which is necessitated by the shutting down of our own pumps during repairs, entails an expense in excess of the appropriation made for that purpose for last year, and, in order that the bills may be paid, I respectfully request that the Board of Estimate and Apportionment transfer to the appropriate account, from other accounts in which there is sufficient money, the amounts needed, as indicated below:

FROM

S-229	Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Operation, General Supplies	$700 00
S-233	Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Operation, Special Contract Obligation, Water Purchased	1,250 00
S-246	Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Maintenance, Water Sheds, Aqueducts, Ponds and Wells, General Supplies	1,500 00
S-248	Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Maintenance, Water Sheds, Aqueducts, Ponds and Wells, Materials for Repairs and Replacements by Departmental Labor	1,400 00
S-250	Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Maintenance, Water Sheds, Aqueducts, Ponds and Wells, Apparatus, Machinery, Vehicles, Harness, etc., Including Care and Storage	500 00
S-261	Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Maintenance, Distribution System, Repairs and Replacements by Contract or Open Order	150 00
		$5,500 00

TO

S-239	Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Maintenance, Pumping Stations and Buildings, Repairs and Replacements by Contract or Open Order	$5,500 00

Yours truly, HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 24, 1912, the Commissioner of Water Supply, Gas and Electricity requested transfers aggregating $5,500 within the appropriations to his Department from the Brooklyn water revenues for the maintenance of the water supply in the Borough of Brooklyn during 1911. In connection therewith I report as follows:

The credit transfer is to Account S—239, Maintenance, Pumping Stations and Buildings, Repairs and Replacements by Contract or Open Order. It is stated that the additional amount is required to pay the contractors engaged in installing new pumps in the Ridgewood pumping station for the cost of operating these pumps prior to the completion of their contracts. Operation by the contractors was necessary on account of a shortage of water.

The status of Account S—239 on January 29, 1912, was given by the Department as follows:

Audited vouchers	$20,040 07
Contract liabilities	32,605 00
Outstanding Open Market Orders	4,065 93
Bills for pumping during September, October, November and December, 1911	6,315 67
Total liabilities of record	$63,026 67
Appropriation	58,000 00
Deficit	$5,026 67

It is estimated that additional items will give a total deficit of $5,500.

The debit transfers are from six water revenue accounts, in which there are ample unencumbered balances for the proposed transfers.

I recommend the adoption of the attached resolution granting the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves the transfer of funds appropriated to the Department of Water Supply, Gas and Electricity, from the Brooklyn water revenues, for the maintenance and distribution of the water supply in the Borough of Brooklyn, during the year 1911, as follows:

FROM

Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911.

S-229	Operation—General supplies	$700 00
S-233	Operation—Special contract obligations, water purchased	1,250 00
S-246	Maintenance—Watersheds, aqueducts, ponds and wells, general supplies	1,500 00
S-248	Maintenance—Watersheds, aqueducts, ponds and wells, materials for repairs and replacements by departmental labor	1,400 00
S-250	Maintenance—Watersheds, aqueducts, ponds and wells, apparatus, machinery, vehicles, harness, etc., including care and storage	500 00
S-261	Maintenance—Distribution system; repairs and replacements by contract or open order	150 00

To

Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911.

S-239	Maintenance—Pumping station and buildings; repairs and replacements by contract or open order	$5,500 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Secretary presented the following communication from the Department of Street Cleaning requesting, and report of the Comptroller recommending, the transfer of $290,000, from appropriations for the disposal of ashes, street sweepings, rubbish and for forage, to accounts for the removal of snow and ice in Manhattan, Brooklyn and The Bronx:

Department of Street Cleaning of The City of New York, 13-21 Park Row, New York, January 23, 1912.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment:*

Sir—I have to request that the sum of two hundred and ninety thousand dollars ($290,000) be transferred as follows:

FROM

	Administration, Manhattan—	
821—1912	Disposal of Ashes, Street Sweepings and Rubbish, Including Towing and Unloading and Hired Scows	$175,000 00
	Administration, Brooklyn—	
827—1912	Disposal of Ashes, Street Sweepings and Rubbish, Including Towing and Unloading and Hired Scows	100,000 00
	Administration, The Bronx—	
819—1912	Forage	15,000 00
		$290,000 00

To

	Administration, Manhattan—	
824—1912	Removal of Snow and Ice	$175,000 00
	Administration, Brooklyn—	
828—1912	Removal of Snow and Ice	100,000 00
	Administration, The Bronx—	
831—1912	Removal of Snow and Ice	15,000 00
		$290,000 00

I also have to request that in accordance with the provisions of section 541 of the Charter, the Comptroller be authorized and directed to issue revenue bonds of The City of New York to the amount of two hundred and ninety thousand dollars ($290,000), the proceeds thereof to be used for the restoration to the accounts from which the temporary transfers are requested.

The reason for the above transfers is that the balances remaining in the accounts 824, 828, 831, for the removal of snow and ice in the Boroughs of Manhattan, Brooklyn and The Bronx, are insufficient to meet the liabilities incurred during the snowfalls of January 12, 14 and 15, 1912. Respectfully,

JAMES F. LYNCH, Deputy and Acting Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 30, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 23, 1912, the Deputy and Acting Commissioner of Street Cleaning requested transfer of $290,000 within appropriations to the Department of Street Cleaning for the year 1912 and for the issue of revenue bonds in the same amount to refund the debit accounts. In connection therewith I report as follows:

The transfer and revenue bonds are to provide for the cost of the removal of snow and ice in the Boroughs of Manhattan, Brooklyn and The Bronx, in excess of $4,500, previously provided for in the Boroughs for 1912.

The expenses chargeable against this amount are shown by Boroughs as follows:

	Total Allowance.	Expenditures to January 23.
Manhattan	$2,000 00	$166,009 50
Brooklyn	2,000 00	91,213 32
The Bronx	500 00	14,866 10
	$4,500 00	$272,088 92

The expenditures of $272,088.92 are divided as follows:

	Manhattan.	Brooklyn.	The Bronx.
Contract	$135,000 00	$75,000 00	$11,000 00
Payrolls	31,009 50	16,213 32	3,866 10
	$166,009 50	$91,213 32	$14,866 10

The Commissioner states that the $290,000 requested will liquidate the liabilities for removing snow and ice incident to the storms prior to January 27, the balance to be applied to the costs incurred by the storm of January 27, on which the contractors are now working. The $290,000 would give a total appropriation of $294,500.

I recommend the adoption of resolutions providing for the transfers and revenue bonds requested. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 546 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves transfer of funds appropriated to the Department of Street Cleaning for the year 1912, as follows:

FROM

Special Contract Obligations.

	Manhattan—	
821	Disposal of ashes, street sweepings and rubbish, including towing and unloading and hired scows	$175,000 00
	Brooklyn—	
827	Disposal of ashes, street sweepings and rubbish, including towing and unloading and hired scows	100,000 00
	General Administration, Forage—	
819	The Bronx	15,000 00

To

Special Contract Obligations.

	Manhattan—	
824	Removal of snow and ice	$175,000 00
	Brooklyn—	
828	Removal of snow and ice	100,000 00
	The Bronx—	
831	Removal of snow and ice	15,000 00

—and be it further

Resolved, That, pursuant to the provisions of section 546 of the Greater New York Charter, the Comptroller be and hereby is authorized to issue Revenue Bonds of The City of New York to the amount of two hundred and ninety thousand dollars ($290,000), redeemable from the tax levy of the year succeeding the year of their issue, the proceeds whereof to be applied to the refunding of appropriations for the Department of Street Cleaning for the year 1912, in the amounts transferred therefrom, as follows:

Special Contract Obligations.

	Manhattan—	
821	Disposal of ashes, street sweepings and rubbish, including towing and unloading and hired scows	$175,000 00
	Brooklyn—	
827	Disposal of ashes, street sweepings and rubbish, including towing and unloading and hired scows	100,000 00
	General Administration, Forage—	
819	The Bronx	15,000 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following matters not upon the Calendar were considered by unanimous consent:

The Comptroller presented the following communication from the Board of Education requesting, and report recommending, approval of form of contract, as amended, specifications and plans for general excavation, etc. (Contract No. 1), New Public School 115, Manhattan, at an estimated cost of $87,378:

Board of Education of The City of New York, office of the Secretary, Park avenue and 59th street, December 27, 1911.

Hon. W. A. PRENDERGAST, *Comptroller:*

Dear Sir—I beg to advise you of the receipt of a communication from Mr. C. B. J. Snyder, Superintendent of School Buildings, under date of December 26, 1911, reading as follows:

"I am forwarding herewith plans, specifications and form of contract for the general excavation, etc. (Contract No. 1), of new Public School 115, Borough of Manhattan, for transmission to the Comptroller, to be presented to the Board of Estimate and Apportionment in compliance with the resolution adopted by that Board on January 5, 1911.

"Approximate cost, $87,378."

The plans, specifications and form of contract referred to in the above-quoted communication are transmitted herewith. Respectfully yours,

A. EMERSON PALMER, Secretary, Board of Education.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 31, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 27, 1911, the Board of Education requested approval of the form of contract, specifications, plans and estimate of cost in the sum of $87,378, for general excavation, etc. (Contract No. 1), for new Public School 115, Borough of Manhattan.

The cost of the work is to be charged to the corporate stock fund entitled "C. D. E.—100C, School Buildings, Construction and Equipment, Manhattan, Subtitle 3." The appropriation in the sum of $385,630 was approved by the Board of Estimate and Apportionment on July 17, 1911, and by the Board of Aldermen on July 28, 1911. No expenditures have been made from the fund.

The form of contract has been amended in several items by the Department of Education. In its amended form it is satisfactory. The plans and specifications are satisfactory, and the estimate of cost is reasonable.

I recommend the adoption of the attached resolution approving the form of contract, as amended, the specifications, plans and estimate of cost.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution adopted on July 17, 1911, as amended on August 31, 1911, hereby approves the form of contract as amended, the specifications and plans for general excavation, etc. (Contract No. 1), for New Public School 115, Borough of Manhattan, under the jurisdiction of the Department of Education, at an estimated cost of eighty-seven thousand three hundred and seventy-eight dollars ($87,378); the cost of the work to be charged to the Corporate Stock Fund entitled, "C. D. E. 100 C, School Buildings, Construction and Equipment, Manhattan, Sub-title 3."

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Comptroller presented the following communication from the Board of Education requesting, and report recommending, approval of form of contract, specifications and plans, as amended, for general excavation, etc., Contract No. 1, for new Public School 50, The Bronx, at an estimated cost of $48,143:

Board of Education of The City of New York, office of the Secretary, Park avenue and 59th street, December 29, 1911.

Hon. W. A. PRENDERGAST, *Comptroller:*

Dear Sir—I beg to advise you of the receipt of a communication from Mr. C. B. J. Snyder, Superintendent of School Buildings, under date of December 28, 1911, reading as follows:

"I am forwarding herewith plan, specifications and form of contract for the general excavation, etc., Contract No. 1, of new Public School 50, Borough of The Bronx, for transmission to the Comptroller to be presented to the Board of Estimate and Apportionment, in compliance with the resolution adopted by that Board on January 5, 1911.

"Approximate cost, $48,143."

The plan, specifications and form of contract referred to in the foregoing communication are transmitted herewith. Respectfully yours,

A. E. PALMER, Secretary, Board of Education.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, January 31, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On December 29, 1911, the Board of Education requested approval of the form of contract, specifications, plans and estimate of cost in the sum of $48,143, for general excavation, etc. (Contract No. 1), for new Public School 50, Borough of The Bronx.

The cost of the work is to be charged to the corporate stock fund entitled "C. D. E.—110G, School Buildings, Construction and Equipment, The Bronx, Subtitle 7." The appropriation in the sum of $385,630 was approved by the Board of Estimate and Apportionment on July 17, 1911, and by the Board of Aldermen on July 25, 1911. No expenditures have been made from the fund.

The form of contract, specifications and plans have been amended in several items by the Department of Education. In their amended form they are satisfactory, and the estimate of cost is reasonable.

I recommend the adoption of the attached resolution approving the form of contract, specifications and plans, as amended, and the estimate of cost.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution adopted on July 17, 1911, as amended on August 31, 1911, hereby approves the form of contract, specifications, and plans as amended for general excavation, etc., Contract No. 1, for New Public School 50, Borough of The Bronx, under the jurisdiction of the Department of Education, at an estimated cost of forty-eight thousand one hundred and forty-three dollars ($48,143); the cost of the work to be charged to the Corporate Stock Fund entitled, "C. D. E. 110 G. School Buildings, Construction and Equipment, The Bronx, sub-title 7."

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The Comptroller presented the following communication from the Court House Board relative to, and report recommending, an issue of corporate stock (chapter 336 of the Laws of 1903, as amended by chapter 112 of the Laws of 1905 and chapter 556 of the Laws of 1910) to an amount not exceeding $50,000 for the payment of expenses incurred by said Board in connection with its duties in procuring a site, preparing plans and supervising the erection of a County Court House for New York County:

New York, January 24, 1912.

To the Board of Estimate and Apportionment of The City of New York:

Gentlemen—It is necessary, in order to begin the work of the Court House Board, to make certain preliminary expenditures, and, pursuant to resolution adopted at a meeting today, I was directed to communicate with you in respect to an appropriation for that purpose.

We will have to establish an office, with a staff of clerks and assistants; to employ surveyors to prepare a map which must be filed before condemnation proceedings can be instituted; to make examinations as to the value of the property for the purpose of ascertaining whether we can exercise the power given by law to buy at private sale, subject to your approval and the approval of the Comptroller, any part of the property to be condemned; to employ a consulting architect and engineer; to arrange for the plans and specifications of the building, and to make borings and other examinations of the ground upon which the building will stand. To begin this work, and to prosecute it without delay, will require an expenditure which, as far as we can now estimate, will be at least $50,000.

We beg herewith to send you a memorandum of the items making up this rough estimate, and, as we are desirous of proceeding as speedily as possible, we would ask your earliest consideration of this application. Respectfully yours,

COURT HOUSE BOARD,
By MORGAN J. O'BRIEN, Chairman.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, February 1, 1912.

To the Board of Estimate and Apportionment:

Gentlemen—On January 24, 1912, the Court House Board, appointed under the provisions of chapter 336 of the Laws of 1903, as amended, requested an appropriation of $50,000 to defray the preliminary expenses of the Board in supervising the planning and erection of a court house for New York County.

Chapter 556 of the Laws of 1910 provides that the Board of Estimate and Apportionment may from time to time, upon the requisition of the Court House Board, appropriate such sums as may be necessary to defray all expenses and meet all obligations incurred under the provisions of the act creating the Board.

The law leaves it to the discretion of the Board of Estimate and Apportionment to direct the issue of either corporate stock or special revenue bonds to meet the expenses of the Board.

The work of the Court House Board constitutes part of a permanent improvement, and in our opinion the expenses incurred in this work are properly chargeable to corporate stock.

It is the duty of the Court House Board to employ Architects to prepare plans for the court house, and after such plans have been approved to award a contract and to supervise the erection of the building. The proposed court house will cost many millions of dollars, and while it is under construction the members of the Court House Board will have to bear a heavy burden of responsibility and work. It will be necessary to employ a Secretary to look after the important details of this work; also provision must be made for Clerks, Stenographers and other employees. An additional expense will be incurred for rent and for furniture and fittings for the offices of the Board.

The appropriation requested by the Board appears to be reasonable, and we recommend that the request be granted by the adoption of the attached resolution.

Respectfully,

WM. A. PRENDERGAST, Comptroller; A. L. KLINE, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan, Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That pursuant to the provisions of chapter 336 of the Laws of 1903, as amended by chapter 112 of the Laws of 1905, chapter 9, Laws of 1910, chapter 556 of the Laws of 1910, and chapter 880, Laws of 1911, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding fifty thousand dollars ($50,000) to provide means for the payment of the expenses incurred by the Court House Board in connection with its duties in procuring a site, preparing plans and supervising the erection of a county court house for New York County, and the Comptroller is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the Acting President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

After considering certain Public Improvements Matters, on motion of the Comptroller, the Board adjourned to meet Thursday, February 8, 1912, at 10.30 o'clock in the forenoon.

JOSEPH HAAG, Secretary.

THE BOARD OF ALDERMEN OF THE CITY OF NEW YORK.

(Continued from Page 1164.)

The Vice Chairman put the question whether the Board would agree with said resolution.

Which was decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cummuskey, Cunningham, Curran, Davis, Delaney, Diemer, Dowling, Downing, Drescher, Eichhorn, Esterbrook, Gaynor, Gelbke, Gilmore, Grimm, Hagenmiller, Hamilton, Hannon, Herbst, Kenneally, Kenney, Loos, McCann, McCourt, McGrath, Molen, Morrison, Muhlbauer, Mulligan, Nicoll, O'Rourke, Pendry, Post, Reardon, Shipley, Walsh, Weil, Wendel, Weston, Willard, Wilmot and the Vice Chairman—48.

No. 336.

By Alderman Willard—

Resolved, That for the purpose of defraying minor incidental expenses contingent to the office of the Municipal Court of The City of New York, Borough of Manhattan, Seventh District, the Chief Clerk of such court may, by requisition, draw upon the Comptroller for a sum not exceeding twenty-five dollars ($25), and may in like manner renew the draft as often as may deem necessary, to the extent of the appropriation set apart for supplies and "contingencies" in his office; but no such renewal shall be made until the money paid upon the preceding draft shall be accounted for to the Comptroller by the transmittal of a voucher or vouchers certified by the Chief Clerk covering the expenditure of the money paid thereon.

Which was referred to the Committee on Finance.

No. 337.

By the same—

Resolved, That permission be and the same is hereby given to the Crown Restaurant Company to parade a man with an advertising sign through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 338.

By Alderman White—

AN ORDINANCE in relation to the erection and maintenance of posts, surmounted by lamps, in the streets, avenues and public places of The City of New York.

Be it Ordained, By the Board of Aldermen of The City of New York, as follows:

Section 1. Ornamental posts, surmounted by lamps, may be erected within stoop lines and on sidewalks near the curb in front of hotels, churches, theatres, railroad stations and other places of public assemblage, in any of the streets, avenues or public places in The City of New York, but no such posts shall exceed in dimensions at the base more than eighteen (18) inches in diameter, if circular in form, and if upon a square base, no side thereof shall exceed eighteen (18) inches; provided that the lamps thereon shall be kept lighted during the same hours as the public lamps, and the work to be done and illumination supplied at the expense of the person or persons maintaining said posts and lamps.

Sec. 2. A copy of plan showing the pattern and design of the posts and lamps to be used shall be filed in the office of the Commissioner of Water Supply, Gas and Electricity, and said Commissioner may, upon the approval of said plan by the Chief Engineer of Light and Power, issue a permit for the installation, lighting and maintenance of said posts and lamps, which shall at all times be subject to the reasonable rules, regulations and directions of the Department of Water Supply, Gas and Electricity. Such permit shall not issue, however, until the person or persons applying therefor, as herein provided, shall file a bond in form and amount to be approved by the Corporation Counsel, indemnifying The City of New York against any loss or damage that may be sustained during the erection of said posts or lamps or the continuance thereof.

Sec. 3. No permit, as in this ordinance provided, shall be construed as conferring any franchise or any right in the nature of a franchise to use a street in The City of New York for the purpose of laying conductors for electricity or any other illuminating power, and shall be revocable at any time by the City. A permit shall be inoperative and invalid until and unless authority shall have been obtained from any other Department or Board having jurisdiction over the erection of lamp posts or of any matter or thing necessary or proper to be done in erecting said posts and lamps, and in particular until and unless the President of the Borough having jurisdiction shall consent thereto in writing.

Sec. 4. All ordinances or parts of ordinances inconsistent or conflicting with the provisions of this ordinance are hereby repealed.

Sec. 5. This ordinance shall take effect immediately.

Which was referred to the Committee on Laws and Legislation.

No. 339.

By Alderman Weston—

Resolved, That the Board of Aldermen hereby changes the street numbers on Macon st., in the Borough of Brooklyn, between Stuyvesant and Reid aves., in accordance with the plan dated January 20, 1912, prepared by the office of the President of the Borough of Brooklyn, and signed by L. H. Pounds, Acting President of said Borough, a copy of which is hereto annexed and the original being on file in the office of the Bureau of Highways of the President of the Borough of Brooklyn.

Which was referred to the Committee on Streets, Highways and Sewers.

No. 340.

By Alderman Wendel—

Whereas, since the discontinuance of the light near the curb in front of the premises No. 368 W. 52d st., the said street has become very dark and robberies have taken place therein and that it is the consensus of opinion of the residents of said street that said light should be restored.

Resolved, That the Commissioner of Department of Water, Gas and Electricity be and he is hereby requested to restore said light in front of said premises.

Which was adopted.

No. 341.

By the same—

Whereas, Lights have been maintained near the curb in front of the Grace Reformed Church, No. 827 7th ave., in the Borough of Manhattan, City of New York, for a great many years, and there seems to be no good reason why the same should be discontinued at this time.

Resolved, That the Commissioner of the Department of Water, Gas and Electricity be and he is hereby requested to restore said lights in front of said church.

Which was adopted.

No. 342.

By Alderman Smith—

Resolved, That permission be and the same is hereby given to the United Sample Shoe Co. to parade a man with an advertising sign through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 343.

By Alderman O'Connor—

Resolved, That permission be and the same is hereby given to Frank Passaella to erect, place and keep a barber pole within the stoop line in front of premises 1 5th ave., Long Island City, in the Borough of Queens, provided the said barber pole shall be erected so as to conform in all respects with the provisions of the ordinance in such case made and provided; the work to be done at his own expense, under the direction of the President of the Borough, such permission to continue only during the pleasure of the Board of Aldermen.

Which was adopted.

No. 344.

By Alderman Mulligan—

Resolved, That in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of one thousand dollars ($1,000), the proceeds whereof to be used by the City Clerk for the purpose of providing means for the purchase of copies of the Greater New York Charter, with amendments to date, for the use of members and committees of the Board of Aldermen.

The Vice-Chairman put the question whether the Board would agree with said resolution.

Which was unanimously decided in the affirmative by the following vote:

Affirmative—Aldermen Becker, Bedell, Bolles, Boschen, Bosse, Brush, Carberry, Cole, Cummuskey, Cunningham, Curran, Davis, Delaney, Devine, Diemer, Dotzler, Dowling, Downing, Drescher, Dujat, Eagan, Eichhorn, Esterbrook, Gaynor, Gelbke, Grimm, Hagenmiller, Hamilton, Hannon, Herbst, Kenneally, Kenney, Kline, Lieberman, McCann, McCourt, McGarry, McGrath, Marks, Martyn, Meagher, Moore, Morrison, Muhlbauer, Mulligan, Nicoll, O'Connor, O'Rourke, Pendry, Post, Reardon, Shipley, Walsh, Weil, Wendel, Weston, White, Willard, Wilmot; President McAneny, by E. V. Frothingham, Commissioner of Public Works, and the Vice-Chairman—60.

No. 345.

By Alderman McCourt—

Resolved, That permission be and the same is hereby given to Sol Blau to parade a man with an advertising sign through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 346.

By Alderman McGrath—

Resolved, That the President of the Borough of Manhattan be and he is hereby requested to begin the necessary proceedings for the construction of a public comfort station at the point hereinafter described and for the reasons in said memorandum set forth:

Beginning at a point formed by the intersection of the northerly side of 129th st. and the easterly side of 3d ave., thence northerly twenty-five feet along the easterly side of 3d ave., westerly thirty-five feet and parallel with the northerly side of 129th st., southerly and parallel with the easterly side of 3d ave. twenty-five feet, to the north side of 129th street, thence twenty-five feet along the northerly side of 129th street to the point or place of beginning.

The following reasons are submitted in support of the said bill:

First—The plot of land herein described and lying at the northeast corner of 129th st. and 3d ave., between the side walk and the westerly side of the southern approach to the Third Avenue Bridge, is now occupied and part of the land left vacant after the completion of the bridge and its approaches. The title to said plot is now vested in The City of New York, and the land necessary for the construction of a station can be acquired without cost.

Second—There is no comfort station for men, women and children at this point, although within a radius of one block there is located the terminus of the Union Railway, between 128th and 129th sts. on the easterly side of 3d ave.; the terminus of the Third Avenue Railroad at 130th st. and 3d ave.; the terminus of the New York, New Haven and Hartford, Harlem Division over head; the southerly approach to the Third Avenue Bridge to the east of the proposed comfort station at 129th st. and 3d ave., the stair approach to the said bridge and side of 3d ave., between 129th and 130th sts.

Third—The great number of people, men employed thereabout having occasion to use the bridge approaches on foot or on vehicles, and the numbers of people using the various railroads thereabout, are estimated at about 100,000 daily. These people would appreciate a comfort station which they could use, and women with children would find it of great convenience.

For these reasons it is respectfully submitted that this Board should act immediately and favorably upon this proposition.

Which was adopted.

No. 347.

By the same—

Resolved, That permission be and the same is hereby given to Simon Sepir to erect, place and keep booth within the stoop line in front of premises, southeast corner of 123d st. and 3d ave., in the Borough of Manhattan, provided the said booth shall be erected so as to conform in all respects with the provisions of the ordinance in such case made and provided; the work to be done at his own exense, under the direction of the President of the Borough, such permission to continue only during the pleasure of the Board of Aldermen.

Which was adopted.

No. 348.

By Alderman McGarry—

Resolved, That the President of the Borough of Brooklyn, be and he is hereby requested to forthwith take steps to have sidewalks placed on Nassau ave., between Housman st. and Varick st., and also pave said Nassau ave., from Appollo st. to Varick st., and also have a sewer constructed in said Nassau ave., from Vandam st. to Varick st., and also see that the vacant lots on said Nassau ave. are enclosed by proper fences.

Which was adopted.

No. 349.

By Alderman Marks—

Resolved, That permission be and the same is hereby given to the Harlem Board of Commerce to place and keep 28 decorative and ornamental columns on the sidewalk near the curbs on 125th st., between 7th and 8th aves., in the Borough of Manhattan (fourteen columns on the south and fourteen columns on the north side of said thoroughfare), the same to be erected under the supervision and to the satisfaction of the President of the Borough; such permission to continue only up to and including February 21, 1912, when the said columns are to be removed at the expense of said Harlem Board of Commerce.

Which was adopted.

No. 350.

By Alderman Loos—

Resolved, That permission be and the same is hereby given to Emil Kraft to parade a man with an advertising sign through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 351.

By Alderman Herbst—

Whereas, The Board of Estimate has recently passed resolutions regarding the widening, regulating and grading of E. 174th st., in the vicinity of the Bronx River; and

Whereas, Plans have been filed and operations are under way for the extensive building improvements by property owners in this section, and the City is about to erect a large public school, it is therefore necessary to expedite the construction of the proposed bridge across the Bronx River at 174th st.; therefore be it

Resolved, That the Commissioner of Bridges be requested to take the necessary steps to apply for an issuance of corporate stock, in order to enable him to have said bridge over the Bronx River constructed without unnecessary delay.

Which was adopted.

No. 352.

By the same—

Whereas, The vicinity in the section of the Vyse Estate is in a deplorable and dangerous condition through the lack of proper lighting facilities, and hold-ups are very frequent; therefore, be it

Resolved, That the Commissioner of Water Supply, Gas and Electricity be requested to place lights on West Farms road, between Hoe ave. and Jennings st.; Freeman st., between Longfellow ave. and Westchester ave.; Home st., between Longfellow ave. and Westchester ave., and such other streets adjacent to the ones aforementioned, which are in need of light; and be it further

Resolved, That the Commissioner of Water Supply, Gas and Electricity advise this Board of any condition which prevents his Department from complying with this request, in view of the fact that some of these streets are not lighted at all.

Which was adopted.

No. 353.

By Alderman Gelbke—

Resolved, That the Board of Estimate and Apportionment be and it is hereby respectfully requested to equalize the salaries of the Clerks in the several District Municipal Courts of The City of New York, so that the compensation of said Clerks will be uniform throughout all boroughs.

Which was adopted.

No. 354.

By the same—

Resolved, That permission be and the same is hereby given to Tony Lintio to erect, place and keep a barber pole within the stoop line in front of his premises, Washington ave., Rockaway Beach, in the Borough of Queens, provided the said barber pole shall be erected so as to conform in all respects with the provisions of the ordinance in such case made and provided; the work to be done at his own expense, under the direction of the President of the Borough, such permission to continue only during the pleasure of the Board of Aldermen

Which was adopted.

No. 355.

By Alderman Eagan—

Resolved, That permission be and the same is hereby given to Toribia Engracia Alcala, of 237 E. 53d st., to parade with an advertising sign through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 356.

By Alderman Drescher—

Resolved, That permission be and the same is hereby given to George W. Seaman & Son to erect, place and keep a booth within the stoop line in front of premises 130 Duane st., in the Borough of Manhattan, provided the said booth shall be erected so as to conform in all respects with the provisions of the ordinance in such case made and provided; the work to be done at their own expense, under the direction of the President of the Borough, such permission to continue only during the pleasure of the Board of Aldermen.

Which was adopted.

No. 357.

By the same—

Resolved, That permission be and the same is hereby given to the Victoria Lunch Company to parade a man with an advertising sign through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 358.

By the same—

Resolved, That permission be and the same is hereby given to B. Goldman to erect, place and keep a booth within the stoop line in front of premises 181 and 183 West Broadway, in the Borough of Manhattan, provided the said booth shall be erected so as to conform in all respects with the provisions of the ordinance in such case made and provided; the work to be done at his own expense, under the direction of the President of the Borough, such permission to continue only during the pleasure of the Board of Aldermen.

Which was adopted.

No. 359.

By the same—

Resolved, That permission be and the same is hereby given to M. E. Jack to parade a man with an advertising sign through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 360.

By Alderman Boschen—

Whereas, The use of motor-driven vehicles has increased to a large extent in the streets of the City, the greater number of which are propelled by mechanism operated by the explosive force of gas or other vapor and which emit unseemly noises while being operated, unless equipped with mufflers or other devices, and

Whereas, Much annoyance is occasioned by owners and drivers of motor-driven vehicles who habitually cut out the use of mufflers or similar devices and thereby needlessly disturb the peace and quiet of the community, therefore,

Be it Ordained, by the Board of Aldermen of The City of New York, as follows:

Sec. 1 Every motor-driven vehicle propelled by mechanism which is operated by the explosive force of gas or other vapor shall be equipped with mufflers or such other devices as will stifle or deaden the unseemly noises which they emit, and such muffler or device shall be attached and in use while said motor vehicle is operated in the streets of the City.

Sec. 2. Any owner or driver of such motor vehicle who fails to carry out the provisions of section 1 shall be deemed guilty of misdemeanor and shall be liable to arrest and be subject to a fine of ten dollars for each offense.

Sec. 3. This ordinance shall take effect ninety days after its approval by the Mayor of The City of New York.

Which was referred to the Committee on Laws and Legislation.

No. 361.

By Alderman Bolles—

Resolved, That permission be and the same is hereby given to F. L. Steers, of Broadway and 143d st., to parade an advertising man through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 362.

By Alderman Bedell—

Resolved, That permission be and the same is hereby given to M. Buchsbaum & Sons, of 792 Columbus ave., to parade two men with advertising signs through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 363.

By the same—

Resolved, That permission be and the same is hereby given to the Yorkshire Market Company to parade two men with advertising signs through the streets and thoroughfares of the Borough of Manhattan, under the supervision of the Police Department; such permission to continue only for the period of thirty days from the receipt hereof from his Honor the Mayor.

Which was adopted.

No. 364.

By Alderman Becker—

Resolved, That permission be and the same is hereby given to Chris Luis Callas to erect, place and keep a booth within the stoop line in front of premises northwest corner of 67th st. and Broadway, in the Borough of Manhattan, provided the said booth shall be erected so as to conform in all respects with the provisions of the ordinance in such case made and provided; the work to be done at his own expense, under the direction of the President of the Borough, such permission to continue only during the pleasure of the Board of Aldermen.

Which was adopted.

Alderman Shipley moved that the Board do now adjourn.

The Vice-Chairman put the question whether the Board would agree with said motion.

Which was decided in the affirmative.

And the Vice-Chairman declared that the Board stood adjourned until Tuesday, February 13, 1912, at 1.30 o'clock p. m.

P. J. SCULLY, City Clerk, and Clerk of the Board of Aldermen.

Borough of Richmond.

Bureau of Buildings.

Report of the operations of the Bureau of Buildings, Borough of Richmond, for the week ending January 27, 1912:

Plans filed for new buildings (estimated cost, $697,050), 10; plans filed for alterations (estimated cost, $52,005), 11; plans filed for plumbing (estimated cost, $37,500), 9; construction inspections made, 141; plumbing and drainage inspections made, 65; modifications of the law allowed as regards concrete footings under foundations, 4.

JOHN SEATON, Superintendent of Buildings.

Borough of Manhattan.

A meeting of the Local Board of the Washington Heights District was held in the Council Chamber of the City Hall on Tuesday, January 30, 1912, at 11 o'clock a. m.

Present—Alderman Bolles, Boschen and Marks and Acting President Frothingham.

The Acting President presented for the consideration of the Board the matter of paving with granite blocks 12th ave., between 134th and 135th sts.

The following resolution was offered by Alderman Boschen: Whereas, A petition for a local improvement described below has been received by the President of the Borough of Manhattan, etc.;

Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

To pave with granite block pavement on concrete foundation 12th ave., from 134th st. to the north line of 135th st; and it is hereby further

Resolved, That a copy of this resolution be transmitted forthwith to the Board of Estimate and Apportionment for its approval.

Which was adopted.

The Acting President presented for the consideration of the Board the matter of closing and discontinuing the park on the west side of Riverside drive, between 161st and 165th sts.

On motion of Alderman Boschen this matter was laid over for two weeks.

The Acting President presented for the consideration of the Board the matter of laying out 138th and 139th sts., from Edgecombe ave. to St. Nicholas ave.

The following appeared in opposition to the proposed improvement: Mr. C. Roe, of the firm of Dulon & Roe, representing the Germania Life Insurance Company; Mr. Louis I. Harris, Mr. Conrad Geisler, Mr. Lorenzo W. Sherwood.

The following appeared and urged favorable action: Mrs. Sofia M. Loebinger, Mr. John C. Shaw, Mr. John C. Schoenberger.

On motion of Alderman Boschen this matter was laid over two weeks. Adjourned.

JULIAN B. BEATY, Secretary.

DEPARTMENT OF HEALTH.

Report for the Week Ending Saturday, 12 m., January 13, 1912.

Boroughs.	Population U.S.Census April 15, 1910.	Estimated Population July 1, 1912.	Deaths. 1911.	Deaths. 1912.	Births.	Marriages.	Still-births.	Death-rate 1911.	Death-rate 1912.
Manhattan	2,331,542	2,438,001	835	751	1,359	798	70	18.23	16.07
*The Bronx	430,980	531,219	128	115	265	56	15	13.82	11.29
Brooklyn	1,634,351	1,776,878	560	476	851	287	37	17.08	13.98
Queens	284,041	334,297	81	77	165	17	3	13.61	12.02
Richmond	85,969	92,669	45	36	36	1	3	26.21	20.27
City of New York	4,766,883	5,173,064	1,649	1,455	2,676	1,159	128	17.26	14.67

* The presence of several large institutions, the great majority of whose inmates are residents of the other Boroughs, increases considerably the death-rate of this Borough.

Cases of Infectious and Contagious Diseases Reported.

	Week Ending— Oct. 14	Oct. 21	Oct. 28.	Nov. 4.	Nov 11.	Nov. 18.	Nov. 25.	Dec. 2.	Dec. 9	Dec. 16.	Dec. 23	Dec. 30.	Jan 6	Jan. 13.
Tuberculosis Pulmonalis.	394	384	407	389	347	538	495	354	384	465	436	405	396	409
Diphtheria and Croup..	182	196	196	228	248	254	260	224	304	244	282	309	264	274
Measles	82	96	101	113	116	167	154	253	317	406	483	421	505	560
Scarlet Fever..	91	122	105	106	122	96	178	163	192	226	180	217	239	210
Small-pox	1	..	..	..	..	2	2	1	5	2	..	1	..	1
Varicella	39	30	83	54	129	133	217	188	233	225	257	134	173	234
Typhoid Fever	97	133	110	94	92	125	87	82	103	105	70	64	65	71
Whooping Cough.	25	38	35	46	36	23	42	36	36	46	20	14	22	27
Cerebro-Spinal Meningitis	3	2	2	8	3	4	5	1	3	3	4	2	3	4
Total	914	1,001	1,039	1,038	1,093	1,342	1,350	1,302	1,577	1,722	1,732	1,567	1,667	1,790

Deaths by Principal Causes, According to Locality and Age.

Boroughs.	Contagious Diseases detailed elsewhere.	Malarial Diseases.	Whooping Cough.	Tuberculosis Pulmonalis.	Cerebro-Spinal Meningitis.	Bronchitis.	Diarrhœal Diseases.	Diarrhœal Diseases under 5 Years.	Pneumonia.	Broncho Pneumonia.	Suicides.	Homicides.	Accidents.	Under 1 Year.	Under 5 Years.	5-65 Years.	65 Years and Over
Manhattan	24	..	4	79	1	11	17	14	61	45	7	7	41	145	197	420	134
The Bronx	4	..	..	29	..	3	3	3	10	7	1	..	2	17	26	68	21
Brooklyn	26	..	1	44	1	9	15	12	43	37	3	..	20	72	111	257	108
Queens	2	..	1	8	..	1	1	1	5	6	..	..	3	18	21	39	17
Richmond	..	..	..	5	..	1	..	..	..	2	..	1	2	6	6	19	11
Total	56	..	6	165	2	22	36	30	119	97	11	8	68	258	361	803	291

Deaths According to Cause, Age and Sex.

	Total Deaths.	Deaths in Corresponding Week of 1911.	Males.	Females.	Under 1 Year.	1 Year and Under 2.	2 and Under 5.	Under 5 Years.	5-15.	15-25.	25-45.	45-65.	65 and Over.
Total, all causes	1,455	1,649	780	675	258	59	44	361	30	77	314	382	291
1. Typhoid Fever	6	6	3	3	..	..	1	1	1	1	2	1	..
3. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Measles	11	7	6	5	4	4	3	11	..	..	..	..	..
6. Scarlet Fever	12	17	3	9	1	5	3	9	3	..	..	..	..
7. Whooping Cough.	6	6	1	5	3	1	..	4	2	..	..	..	..
8. Diphtheria and Croup	27	22	9	18	1	6	15	22	5	..	..	..	..
9. Influenza	8	39	2	6	1	1	..	2	..	..	3	2	1
12. Other Epidemic Diseases	8	8	4	4	1	..	..	1	..	..	1	6	..
13. Tuberculosis Pulmonalis	165	197	116	49	2	1	..	3	3	27	94	34	4
14. Tuberculous Meningitis	6	11	4	2	3	1	2	6	..	..	..	..	..
15. Other forms of Tuberculosis	5	9	2	3	1	1	..	2	..	..	2	1	..
16. Cancer, Malignant Tumor	75	71	39	36	..	..	..	..	..	2	17	40	16
17. Simple Meningitis. Of which	4	16	4	..	..	..	1	1	..	1	1	..	1
17a. Cerebro Spinal Meningitis	2	8	2	..	..	..	1	1	..	..	1	..	..
18. Apoplexy, Softening of the Brain	41	46	19	22	..	..	...	.	..	..	1	22	18
19. Organic Heart Diseases	250	207	130	120	..	..	1	1	4	11	42	98	94
20. Acute Bronchitis	22	27	12	10	18	3	..	21	..	..	..	1	..
21. Chronic Bronchitis.	2	11	..	2	..	..	..	..	..	..	..	..	2
22. Pneumonia (excluding Broncho Pneumonia)	119	195	68	51	10	11	2	23	4	8	23	38	23
22a. Broncho Pneumonia	97	92	62	35	52	16	7	75	1	..	4	6	11
23. Other Respiratory Diseases	9	10	4	5	..	1	1	2	..	..	1	5	1
24. Diseases of the Stomach (Cancer excepted)	12	10	5	7	..	..	..	..	..	1	2	7	2
25. Diarrhœal diseases (under 5 years)	30	42	16	14	27	2	1	30	..	..	..	..	..
26. Appendicitis and Typhilitis	8	12	4	4	..	..	1	1	1	1	3	2	..
27. Hernia, Intestinal Obstruction	15	13	5	10	2	..	..	2	1	1	3	3	5
28. Cirrhosis of Liver	17	28	14	3	..	..	..	..	..	..	..	4	9	4
29. Bright's Disease and Nephritis	89	133	47	42	..	..	1	1	1	2	28	29	26
30. Diseases of Women (not Cancer)	3	5	..	3	..	..	..	..	..	..	1	1	1
31. Puerperal Septicæmia	5	5	..	5	..	..	..	..	..	3	2	..	..
32. Other Puerperal Diseases	18	8	..	18	..	..	..	..	..	3	15	..	..
33. Congenital Debility and Malformations	88	89	42	46	87	1	..	88	..	..	..	..	..
34. Old Age	6	24	..	6	..	..	..	..	..	..	..	..	6
35. Violent Deaths	76	65	55	21	4	1	5	10	2	8	21	23	12
a. Sunstroke	..	..	..	..	..	..	..	..	..	..	..	..	..
b. Other Accidents.	68	63	48	20	3	1	5	9	2	6	20	21	10
c. Homicide	8	2	7	1	1	..	..	1	..	2	1	2	2
36. Suicide	11	14	8	3	..	..	..	..	..	..	7	4	..
37. All other causes	203	198	96	107	41	3	..	44	2	8	37	50	62
38. Ill-defined causes	1	6	..	1	..	1	..	1	..	..	..	..	..

If the deaths under one month, numbering 100 from all causes, be deducted from the total deaths under one year, the resultant rate will be 63 deaths of infants per 1,000 living at that age.

Deaths According to Cause, Annual Rate per 1,000 and Age, with Meteorology and Number of Deaths in Public Institutions for 13 Weeks.

	Week Ending— Oct. 14.	Oct. 21.	Oct. 28.	Nov. 4.	Nov. 11.	Nov. 18.	Nov. 25.	Dec. 2.	Dec. 9.	Dec. 16.	Dec. 23	Dec. 30	Jan. 6	Jan. 13.
Total deaths	1,299	1,264	1,157	1,284	1,276	1,284	1,378	1,291	1,418	1,402	1,310	1,441	1,405	1,455
Annual death-rate	13.60	13.24	12.12	13.44	13.36	13.44	14.43	13.52	14.84	14.68	13.71	15.09	14.17	14.67
Typhoid Fever	22	11	13	15	14	13	14	13	8	13	14	9	11	6
Malarial Fevers.	1	2	2	1	..	1	..	..	..	1	1	1	..	..
Small-pox	..	1	..	..	..	..	..	1	..	..	..	..	..	..
Measles	3	2	4	2	4	5	2	1	6	11	5	7	7	11
Scarlet Fever	2	1	3	3	4	2	2	4	8	9	8	8	8	12
Whooping Cough	6	7	4	6	2	2	1	3	7	6	..	..	3	6
Diphtheria and Croup	17	13	17	19	12	28	15	24	15	14	23	36	20	27
Influenza	2	1	4	6	6	2	4	5	4	4	8	3	4	8
Cerebro-Spinal Meningitis.	3	3	3	6	..	6	2	1	1	2	3	4	3	2
Tuberculosis Pulmonalis	148	153	147	154	139	160	170	158	171	152	171	149	167	165
Other Tuberculous.	31	13	18	27	25	22	16	17	23	20	28	20	20	11
Acute Bronchitis	11	18	14	13	22	17	22	24	28	29	20	29	23	22
Pneumonia	56	77	67	74	73	80	100	96	135	120	138	104	126	119
Broncho Pneumonia	55	73	77	57	70	72	100	100	90	119	83	93	96	97
Diarrhœals under 5	116	79	53	57	46	46	37	26	40	40	33	40	30	30
Under one year Diarrhœal diseases	95	61	47	46	39	40	34	23	31	34	31	33	27	27
Other Causes under 1	189	195	184	204	205	163	212	241	196	226	183	255	225	231
Diarrhœas under 1.														
Institutions	30	20	13	13	13	18	13	8	16	13	14	9	10	7
Tenements	65	41	34	33	26	22	19	15	15	21	17	24	17	20
Violent Deaths	78	62	73	63	61	87	67	59	70	73	86	76	65	76
Under one year.	284	256	231	250	241	203	246	244	227	260	214	288	252	258
Under five years	395	335	318	348	328	307	330	338	354	364	303	407	353	361
Five to sixty-five	681	704	643	704	722	744	779	712	794	778	753	756	770	803
Sixty-five years and over	1,223	225	196	232	226	233	269	241	270	269	254	278	282	291
In Public and Private Institutions	462	489	452	513	490	475	512	429	587	493	522	560	492	519
Inquest cases	177	160	173	178	176	201	204	183	200	198	188	209	213	211
Mean barometer.	30.046	29.968	30.109	30.135	30.019	29.849	29.836	29.875	30.173	30.078	30.097	29.969	29.927	30.024
Mean humidity.	65.	85.	63.	56.	69.	57.	59.	64.	65.	77.	65.	70.	62.	63.
Inches of rain or snow	.15in	4.22in	.73in	Trace	1.49in	2.32in	.90in	.41in	.72in	1.16in	.65in	0 27in	.32in	7.26in
Mean temperature (Fahrenheit)	57.°	59.9°	54.°	47.5°	50.1°	39.4°	37.9°	41.6°	39.2°	47.4°	37.9°	36.°	25.9°	15.2°
Maximum temperature (Fahrenheit)	69.°	71.°	66.°	63.°	64.°	70.°	50.°	59.°	58.°	63.°	52.°	51.°	38.°	44.°
Minimum temperature (Fahrenheit)	41.°	51.°	40.°	32.°	41.°	25.°	28.°	30.°	18.°	35.°	22.°	24.°	6.°	-3.°

Infectious and Contagious Diseases in Hospital.

	Willard Parker Hospital. Scarlet Fever.	Diphtheria.	Total.	Riverside Hospital. Diphtheria.	Measles.	Scarlet Fever.	Tuberculosis Pulmonalis.	Total.	Kingston Ave. Hospital. Diphtheria.	Measles.	Scarlet Fever.	Small-pox.	Total.	Otisville Sanatorium. Tuberculosis Pulmonalis.
Remaining Jan. 6, 1912.	220	60	280	3	68	1	219	291	64	16	88	2	170	450
Admitted	38	30	68	4	13	..	8	25	14	6	18	1	39	18
Discharged	23	29	52	2	22	..	2	26	14	2	10	2	28	10
Died	1	3	4	1	..	..	3	4	2	..	..	..	2	..
Remaining Jan. 13, 1912.	234	58	292	4	59	1	222	286	62	20	96	1	179	458
Total treated	258	90	348	7	81	1	227	316	78	22	106	3	209	468

Bacteriological Examination of Croton Water, January 8, 1912.

Colonies developed from 1 c.c., 24 hours, 37° C.=14
Colonies developed from 1 c.c., 48 hours, 24° C.=14
Bacilli of colon group not present in 20 c.c.
Microscopical examinations are not made at this laboratory.

Board of Water Supply.

Abstract of Expenditures made by the Board of Water Supply of The City of New York during the Month of January, 1912, as Required by section 36, chapter 724, Laws of 1905.

Contracts registered		$1,275,263 66
Open Market Orders		14,335 99
Miscellaneous acquisition of property	$16,973 78	
All other miscellaneous	28,581 44	
		45,555 22
Payrolls, Departmental	$163,188 63	
Special services	459 90	
Team hire	2,655 10	
Acquisition of property	11,838 48	
		178,142 11
		$1,513,296 98

Abstract of Estimated Liabilities Incurred by the Board of Water Supply of The City of New York during the Month of January, 1912:

Contracts—Agreements	$10,000 00
Open Market Orders	4,995 58
Acquisition of Property	154,675 39
Miscellaneous	17,128 95
	$186,799 92

Department of Parks.

Abstract of Proceedings of the Park Board for Week Ending February 3, 1912.

Stated meeting, February 1, 3 p. m.

Present—Commissioners Stover, President; Higgins Kennedy, Eliot.

Sealed bids were received for the following supplies for parks in The Bronx: 1, timber; 2, harnessmakers' and wheelwrights' supplies; 3, painters' supplies.

The preparation and advertising of a contract for furnishing and erecting library stacks in the stack room, on the fifth floor of the central pavilion of the American Museum of Natural History, Manhattan, were authorized.

A resolution was adopted surrendering to the Commissioners of the Sinking Fund a plot of ground on the easterly side of Hudson Park, Manhattan, approximately 31 feet in width by 75 feet in length, as indicated on an accompanying plan, said plot being no longer required for park purposes.

A communication from the Curtiss Exhibition Company, respecting the proposed establishment of isles of safety for aviators in the parks, expressing views in opposition to the proposed measure, was received, and a copy ordered furnished to each Commissioner.

Extension of time for the completion of the following contracts was granted: Contract with Daniel J. Ryan, for erecting a field house in the E. 101st st. playground, Manhattan, was extended for thirty working days.

Contract with Richard Carvel Company, for erecting comfort station near the Swedish School House in Central Park, Manhattan, was extended thirty additional working days.

Contracts Awarded: Furnishing blacksmiths' supplies at Prospect Park, Brooklyn; furnishing hardware, at Prospect Park, Brooklyn; furnishing paints and painters' supplies, Prospect Park, Brooklyn; furnishing wheelwrights' supplies at Prospect Park, Brooklyn; furnishing plumbing supplies at Prospect Park, Brooklyn; furnishing, oils, etc., at Prospect Park, Brooklyn; furnishing rubber goods at Prospect Park, Brooklyn; furnishing tools and implements, Prospect Park, Brooklyn; furnishing lumber for parks and parkways in Brooklyn; furnishing masons' supplies at Prospect Park, Brooklyn; repairs to lawn mowers on parks in Brooklyn.

Contracts Executed: January 29th, Cockerill-Little Company, 1968 Broad-

way, erecting first part of Laboratory building and greenhouse for the Brooklyn Botanic Garden on Washington ave., Brooklyn, amount, $55,800; surety, Massachusetts Bonding and Insurance Company; William H. Wright & Son, Inc., 148th st. and 3d ave., erecting comfort station at Orchard Beach, in Pelham Bay Park, The Bronx, amount, $8,715; surety, International Fidelity and Insurance Company of Jersey City, N. J.; William H. Wright & Son, Inc., 148th st. and 3d ave., erecting comfort station in Van Cortlandt Park, The Bronx, amount, $9,983; surety, International Fidelity and Insurance Company of Jersey City, N. J.

CLINTON H. SMITH, Secretary.

Board of Health.

Abstract of the Minutes of January 30, 1912.

The Board met pursuant to adjournment. Present, Commissioner of Health, Health Officer of the Port and Police Commissioner.

The Finance Committee presented various bills which had been audited by the Chief Clerk, which were approved and ordered forwarded to the Comptroller for payment.

The following actions were ordered discontinued: No. 358, Michael Katz; No. 365, Isidor Ritter; No. 368, Charles Schwartz; No. 372, John W. Moyer; No. 364, Jacob L. Bromer; No. 367, Charles F. Meinhardt; No. 369, Charles Schwartz; No. 270, Timothy J. Flynn.

The Superintendent of Hospitals submitted weekly reports of the work performed in the various hospitals under his jurisdiction.

Changes in the hospital service recommended by the Superintendent of Hospitals for the month ending January 31, 1912, were approved.

The Sanitary Superintendent submitted weekly reports of the work performed in the various divisions of the Sanitary Bureau.

The Director of Laboratories submitted weekly reports of the work performed in the various laboratories under his jurisdiction.

The following premises were ordered vacated: 127 E. 125th st., Manhattan; 158 Canal st., Manhattan; 2180 3d ave., and 188 E. 119th st., Manhattan; 221 W. 41st st., Manhattan; 373 E. 161st st., The Bronx; 1725 St. Marks ave., Front, Brooklyn; 249-251 N. 9th st., Brooklyn; 1991 Metropolitan ave., Middle Village, Queens.

Orders for vacation against certain premises were rescinded, the cause for same having been removed.

The following premises were declared public nuisances: 196-198 Seigel st., Brooklyn; 1725 St. Marks ave., Brooklyn; 7622 3d ave., Brooklyn; 249-251 N. 9th st., Brooklyn.

Miscellaneous applications for permits were granted.

Miscellaneous applications for permits were denied.

Various permits granted by the Board were revoked.

Extensions of time in which to comply with provisions of orders issued against certain premises were granted, and certain applications for relief from and extensions of orders were denied.

The weekly report of the Bureau of Records was received.

The Registrar of Records was directed to record corrected certificates of vital statistics relating to various persons.

Certain certificates of birth which failed of record owing to the failure of the physicians and midwives to comply with the provisions of the Sanitary Code, were ordered filed in the volume of delayed and imperfect certificates.

Leaves of absence on account of sickness and for various reasons were granted to several employees in each Borough.

Section 189 of the Sanitary Code was amended.

The contract for furnishing and delivering as required, raw and pasteurized milk, condensed milk, cream and buttermilk, to the Hospitals and Tuberculosis Day Camps located in the various Boroughs of The City of New York and to the Tuberculosis Sanatorium at Otisville, Orange County, New York, from January 1 to July 1, 1912, was awarded as follows:

Class 6, to R. F. Stevens Company, of 90 3d ave., Brooklyn, for the sum of $940. Surety, American Surety Company, of 100 Broadway, Manhattan.

Classes 1, 3 and 8, Borden's Condensed Milk Company, of 108 Hudson street, Manhattan, for the sum of $13,755.80. Surety, Fidelity and Casualty Company, of New York, 92 Liberty st., Manhattan.

Classes 4 and 5, to Sheffield Farms-Slawson-Decker Company, of 524 W. 57th st., Manhattan, for the sum of $6,863.30. Sureties, Loton Horton, 117 W. 77th st., and I. A. Van Bomel, 889 St. Nicholas ave., Manhattan.

—they being the lowest bidders.

The contract for furnishing, delivering, storing and trimming white ash anthracite coal, as required, to the various office buildings, clinics, hospitals, day camps and disinfecting stations of the Department of Health, in the different Boroughs of The City of New York, and the Tuberculosis Sanatorium at Otisville, Orange County, New York, was awarded as follows:

Classes 3, 7, 8, 9, 10 and 11, to Sperry & Popham Coal Company, Ltd., of 241 W. 125th st., Manhattan, for the sum of $975.75. Surety, Fidelity and Deposit Company of Maryland, 2 Rector st., Manhattan.

Classes 2 and 12, to Charles D. Norton Company, of 17 Battery place, Borough of Manhattan, for the sum of $19,355. Surety, Fidelity and Surety Company of Maryland, 2 Rector st., Borough of Manhattan.

Classes 13 and 16, Bacon Coal Company of Reid and DeKalb aves., Borough of Brooklyn, for the sum of $12,121. Sureties, J. M. Bacon, of 867 Park place, Borough of Brooklyn and George Keowen, 310 Halsey st., Borough of Brooklyn.

Classes 22 and 23, to L. R. Wallace, Middletown, N. Y., for the sum of $9,512.50. Surety, National Surety Company, 115 Broadway.

Classes 1, 4, 5, 6, 18 and 21, to Curtis Blaisdell Company, of 504 E. 56th st., Manhattan, for the sum of $9,263. Sureties, P. C. Blaisdell, of 216 W. 100th st., Manhattan, and J. P. Geagan, of 504 E. 56th st., Manhattan.

Promotions: Margaret Myers, Laboratory Assistant, salary $900, to take effect January 1, 1912; Helene D. Hussey, Laboratory Assistant, salary $900, to take effect January 24, 1912; Margaret Caughter, Laboratory Assistant, salary $750, to take effect January 24, 1912; Rose M. Dougherty, Laboratory Assistant, salary $750, to take effect January 1, 1912; Abraham J. Klein, Laboratory Assistant, salary $750, to take effect January 24, 1912; Francis Reehil, Clerk, salary $600, to take effect February 1, 1912; James A. Gerns, Clerk, salary $540, to take effect December 14, 1911; Harry Brandwein, Clerk, salary $480, to take effect December 14, 1911; Frank R. Kratzenberg, Laborer, salary $780, to take effect February 1, 1912.

Salary Reduced: Edward Boyce, Laborer, salary reduced from $780 to $732, to take effect February 1, 1912.

Appointments (paragraph 4, rule 12): Sarah Olds, 230 W. 108th st., January 24, 1912; Harriet A. Haven, Princess Bay, S. I., January 24, 1912; Anna Theresa Von Heygendroff, 54 W. 126th st., January 24, 1912; Carrie Austing, 590 W. 174th st., January 24, 1912; Pearl Gravitt, 530 W. 112th st., January 24, 1912; Eleanor C. Burke, 149 E. 60th st., January 25, 1912; Loretta MacDonald, 146 W. 104th st., January 25, 1912; A. L. MacIntyre, 62 W. 53d st., January 26, 1912; Katherine B. McLeod, 146 W. 104th st., January 29, 1912; Edith Howe, 12 Radford st., Yonkers, January 26, 1912; Grace Cosgrove, 120 E. 86th st., February 1, 1912; Nina B. Tucker, 1110 Simpson st., The Bronx, February 5, 1912; Genevieve Morgan, 1520 Benson ave., The Bronx, February 5, 1912; Elizabeth A. Matthews, 208 E. Tremont ave., February 5, 1912; Isabelle Martin, 1752 E. 18th st., Brooklyn, January 24, 1912; Sarah A. Clarke, 318 Clermont ave., Brooklyn, January 25, 1912; Mary E. Gorman, 213 Lafayette ave., Brooklyn, January 25, 1912; Emmie L. Jenkins, 108 Garfield place, Brooklyn, January 25, 1912; Ellen B. Carroll, 1435 Lincoln place, Brooklyn, January 17, 1912; Harriet Chism, 906 President st., Brooklyn, January 25, 1912; Susie Mesing, 906 President st., Brooklyn, January 25, 1912; Lillian Caufman, 251 Weirfield st., February 1, 1912; Anna Elizabeth Higgins, 240 West End ave., January 25, 1912; George E. Mills, 906 President st., Brooklyn, January 26, 1912; Charlotte Carroll, 405 Clermont ave., Brooklyn, January 26, 1912; Helen E. Bauer, 420 W. 116th st., February 1, 1912; Grace B. Aldrich, 488 Classon ave., Brooklyn, February 1, 1912; Elizabeth Burdick, 2065 Valentine ave., The Bronx, February 15, 1912; Ruth Munson, 14th st., Whitestone, L. I., January 24, 1912; Loretta F. G. Ames, 829 Flatbush ave., Brooklyn, January 15, 1912; Maud Dale, 747 5th ave., care of Mrs. J. Millett, January 15, 1912; Fernie O. Morgan, 181 Shelton ave., Jamaica, February 1, 1912; Violet Armstrong, 227 Bement ave., West Brighton, S. I., February 1, 1912, Nurses, salary $900 per annum.

Appointments: George W. Diedricks, 773 Union ave., The Bronx, Inspector of Foods (Fruits and Vegetables), salary $1,200 per annum, to take effect January 30, 1912; David T. Marshall, M.D., Hollis, L. I., Borough of Queens, Medical Inspector, salary $1,200 per annum, to take effect January 29, 1912; Wally Stein, 302 W. 111th st., Manhattan, Nurse, salary $900 per annum, to take effect January 26, 1912; Annie M. Clark, 2209 Belmont ave., The Bronx, Typewriting Copyist, salary $600 per annum, to take effect February 1, 1912; Louisa Augusta Schlag, 74 Tillary st., Brooklyn, Typewriting Copyist, salary $600 per annum, to take effect January 29, 1912; William J. Meany, 1250 Fulton ave., The Bronx, Telephone Switchboard Operator, salary $750 per annum, to take effect February 2, 1912; John J. Fox, 341 Water st., Manhattan, Laborer, salary $600 per annum, to take effect January 31, 1912; David G. Matzkin, 468 Howard ave., Brooklyn, Laboratory Assistant, salary $600 per annum, to take effect February 1, 1912; Frank A. Loeffler, 283 Freeman ave., L. I. City, Laborer, salary $600 per annum, to take effect February 1, 1912.

Transferred to Street Cleaning Department: John J. McElhinney, Clerk, salary $600 per annum, to take effect January 27, 1912.

Titles Changed: Charles Schlegel, Driver to Laborer, to take effect February 1, 1912; Robert Olmstead, Laborer to Driver, to take effect February 1, 1912.

Fined: William F. Braisted, D.V.S., Veterinarian, fined thirty days' pay; Harry K. Bell, M.D., Medical Clerk, fined three days' pay; Ernest H. Rondel, Clerk of Accounts, fined ten days' pay; James J. Connolly, Clerk, fined five days' pay.

Resignations: Minnie A. Wilson, Laboratory Assistant, to take effect January 23, 1912; Josephine S. Pratt, Laboratory Assistant, to take effect January 23, 1912; Miriam P. Olmstead, Laboratory Assistant, to take effect January 23, 1912; Christopher D. Kevin, M.D., Medical Inspector, to take effect January 24, 1912; Evelyn A. Miller, Nurse, to take effect January 31, 1912; Isabel A. Stevens, Nurse, to take effect January 22, 1912; Sarah Duryea, Nurse, to take effect January 29, 1912; Mrs. Alice Smith, Cleaner, to take effect January 24, 1912; Reginald Miller, Laboratory Assistant, to take effect January 29, 1912.

EUGENE W. SCHEFFER, Secretary.

Changes in Departments, Etc.

DEPARTMENT OF FINANCE.

February 6—Change in this Department: Mrs. Anna W. von Hohoff, 478 W. 159th st., Manhattan, has been appointed to the position of Examining Inspector in the Inspection Division of the Auditing Bureau, with salary at $1,500 per annum, taking effect January 31, 1912.

BOROUGH OF MANHATTAN.
Bureau of Buildings.

February 2—Leslie V. Huber, 1158 41st st., Brooklyn, transferred from the position of Inspector of Tenements, at $1,500 per annum, to the position of Engineer Inspector in this Bureau, at $1,500 per annum, to take effect February 1.

February 5—John Davidson, 638 E. 227th st., appointed Inspector of Masonry and Carpentry, at a salary of $1,200 per annum, the appointment to take effect February 8.

COLLEGE OF THE CITY OF NEW YORK.

February 5—Appointed, for a period of fifteen days, Thomas G. Schwartz, Library Assistant, at a salary at the rate of $720 per annum.

Appointed (non-competitive class): Abraham Goldstein, as Laboratory Mechanician, at $480 per annum, appointment effective February 1.

DEPARTMENT OF DOCKS AND FERRIES.

February 1—On December 27, 1911, the Commissioner promoted Howard B. Smith, Edward J. McMenamin and George M. Avent from the position of Stenographer and Typewriter, at $1,500 per annum, to the position of Clerk, at $1,500 per annum, subject to action of the Board of Estimate and Apportionment.

At a meeting of the Board of Estimate and Apportionment held January 25, 1912, resolutions were adopted modifying the salary schedules in the 1912 Budget for this Department, providing for Messrs. Smith, McMenamin and Avent as Clerks, at $1,500 per annum.

February 6—Edward Gough, formerly employed as a Dock Laborer, died February 3.

COURT OF GENERAL SESSIONS.

February 7—Peter P. Kain, a Court Attendant of the Court of General Sessions, died February 6, 1912.

OFFICIAL DIRECTORY

STATEMENT OF THE HOURS DURING which the Public Offices in the City are open for business and at which the Courts regularly open and adjourn, as well as the places where such offices are kept and such Courts are held, together with the heads of Departments and Courts.

CITY OFFICES.

MAYOR'S OFFICE.

No. 5 City Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 8020 Cortlandt.
WILLIAM J. GAYNOR, Mayor.
Robert Adamson, Secretary.
James Matthews, Executive Secretary.
John J. Glennon, Chief Clerk and Bond and Warrant Clerk.

BUREAU OF WEIGHTS AND MEASURES.

Room 7, City Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
John L. Walsh, Commissioner.
Telephone, 4334 Cortlandt.

BUREAU OF LICENSES.

9 a. m. to 4 p. m.; Saturdays, 9. a. m. to 12 m.
Telephone, 4109 Cortlandt.
James G. Wallace, Jr., Chief of Bureau.
Principal Office, Room 1, City Hall.

ARMORY BOARD.

Mayor, William J. Gaynor; the Comptroller, William A. Prendergast; the President of the Board of Aldermen, John Purroy Mitchel; Brigadier-General George Moore Smith, Brigadier-General John G. Eddy, Commodore R. P. Forshew, the President of the Department of Taxes and Assessments, Lawson Purdy.

Clark D. Rhinehart, Secretary, Room 6, Basement, Hall of Records, Chambers and Centre streets.

Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3900 Worth.

ART COMMISSION.

City Hall, Room 21.
Telephone call, 1197 Cortlandt.

Robert W. de Forest, Vice-President Metropolitan Museum of Art, President; Francis C. Jones, Painter, Vice-President; Charles Howland Russell, Trustee of New York Public Library, Secretary; A. Augustus Healy, President of the Brooklyn Institute of Arts and Sciences; William J. Gaynor, Mayor of The City of New York; R. T. H. Halsey; I. N. Phelps Stokes, Architect; John Bogart; Frank L. Babbott; Karl Bitter, Sculptor.

John Quincy Adams, Assistant Secretary.

BELLEVUE AND ALLIED HOSPITALS.

Office, Bellevue Hospital, Twenty-sixth street and First avenue.
Telephone, 4400 Madison Square.

Board of Trustees—Dr. John W. Brannan, President; James K. Paulding, Secretary; John G. O'Keeffe, Arden M. Robbins, James A. Farley, Samuel Sachs, Leopold Stern; Michael J. Drummond, ex-officio.

General Medical Superintendent, Dr. George O'Hanlon.

BOARD OF ALDERMEN.

No. 11 City Hall, 10 a. m. to 4 p. m.; Saturdays 10 a. m. to 12 m.
Telephone, 7560 Cortlandt.
John Purroy Mitchel, President.

ALDERMEN.

Borough of Manhattan—1st Dist., William Drescher; 2d Dist., Michael Stapleton; 3d Dist., John J. White; 4th Dist., James J. Smith; 5th Dist., Joseph M. Hannon; 6th Dist., Frank J. Dotzler; 7th Dist., Frank L. Dowling; 8th Dist., Max S. Levine; 9th Dist., John F. McCourt; 10th Dist., Hugh J. Cummuskey; 11th Dist., Louis Wendel, Jr.; 12th Dist., William P. Kenneally; 13th Dist., John McCann; 14th Dist., John Loos; 15th Dist., Niles R. Becker; 16th Dist., John T. Eagan; 17th Dist., Daniel M. Bedell; 18th Dist., James J. Nugent; 19th Dist., William D. Brush; 20th Dist., John J. Reardon; 21st Dist., Bryant Willard; 22d Dist., Edward V. Gilmore; 23d Dist., John H. Boschen; 24th Dist., John A. Bolles; 25th Dist., Charles Delaney; 26th Dist., Henry H. Curran; 27th Dist., Nathan Lieberman; 28th Dist., Courtlandt Nicoll; 29th Dist., John F. Walsh; 30th Dist., Ralph Folks; 31st Dist., Percy L. Davis; 32d Dist., Michael J. McGrath; 33d Dist., Samuel Marks.

Borough of The Bronx—34th Dist., James L. Devine; 35th Dist., Thomas J. Mulligan; 36th Dist., Thomas H. O'Neil; 37th Dist., John W. Hagenmiller; 38th Dist., Abram W. Herbst; 39th Dist., James Hamilton; 40th Dist., Jacob Weil; 41st Dist., Frederick H. Wilmot.

Borough of Brooklyn—42d Dist., Robert F. Downing; 43d Dist., Michael Carberry; 44th Dist., Frank Cunningham; 45th Dist., John S. Gaynor; 46th Dist., James R. Weston; 47th Dist., John Diemer; 48th Dist., James J. Molen; 49th Dist., Francis P. Kenney; 50th Dist., John J. Meagher; 51st Dist., Ardolph L. Kline; 52d Dist., Daniel R. Coleman; 53d Dist., Frederick H. Stevenson; 54th Dist., Jesse D. Moore; 55th Dist., Frank T. Dixson; 56th Dist., William P. McGarry; 57th Dist., Robert H. Bosse; 58th Dist., O. Grant Esterbrook; 59th Dist., George A. Morrison; 60th Dist., Otto Muhlbauer; 61st Dist., William H. Pendry; 62d Dist., Jacob J. Velten; 63d Dist., Edward Eichhorn; 64th Dist., Henry F. Grimm; 65th Dist., James F. Martyn.

Borough of Queens—66th Dist., George M. O'Connor; 67th Dist., Otto C. Gelbke; 68th Dist., Alexander Dujat; 69th Dist., Charles Augustus Post; 70th Dist., W. Augustus Shipley.

Borough of Richmond—71st Dist., William Fink; 72d Dist., John J. O'Rourke; 73d Dist., Charles P. Cole.

P. J. Scully, City Clerk.

BOARD OF ASSESSORS.

Office, No. 320 Broadway, 9 a. m. to 5 p. m. Saturdays, 12 m.
Joseph P. Hennessy, President.
William C. Ormond.
Antonio C. Astarita.
Thomas J. Drennan, Secretary.
Telephone, 29, 30 and 31 Worth.

BOARD OF AMBULANCE SERVICE.

Headquarters, 240 Centre street.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 12 m.
President, Commissioner of Police, R. Waldo; Secretary, Commissioner of Public Charities, M. J. Drummond; Dr. John W. Brannan, President of the Board of Trustees of Bellevue and Allied Hospitals; Dr. Royal S. Copeland, Wm. I. Spregelberg; D. C. Potter, Director.
Telephone, 3100 Spring.

BOARD OF ELECTIONS.

General Office, No. 107 West Forty-first street.
Commissioners: J. Gabriel Britt, President; Moses M. McKee, Secretary; James Kane and Jacob A. Livingston. Michael T. Daly, Chief Clerk.
Telephone, 2946 Bryant.

BOROUGH OFFICES.

Manhattan.

No. 112 West Forty-second street.
William C. Baxter, Chief Clerk.
Telephone, 2946 Bryant.

The Bronx.

One Hundred and Thirty-eighth street and Mott avenue (Solingen Building).

John L. Burgoyne, Chief Clerk.
Telephone, 336 Melrose.

Brooklyn.

No. 42 Court street (Temple Bar Building).
George Russell, Chief Clerk.
Telephone, 693 Main.

Queens.

No. 64 Jackson avenue, Long Island City.
Carl Voegel, Chief Clerk.
Telephone, 3375 Hunters Point.

Richmond.

Borough Hall, New Brighton, S. I.
Alexander M. Ross, Chief Clerk.
Telephone, 1000 Tompkinsville.
All offices open from 9 a. m. to 4 p. m.; Saturdays, from 9 a. m. to 12 m.

BOARD OF ESTIMATE AND APPORTIONMENT.

The Mayor, Chairman; the Comptroller, President of the Board of Aldermen, President of the Borough of Manhattan, President of the Borough of Brooklyn, President of the Borough of The Bronx, President of the Borough of Queens, President of the Borough of Richmond.

OFFICE OF THE SECRETARY.

No. 277 Broadway, Room 1406. Telephone 2280 Worth.
Joseph Haag, Secretary; William M. Lawrence Assistant Secretary; Charles V. Adee, Clerk to Board.

OFFICE OF THE CHIEF ENGINEER.

Nelson P. Lewis, Chief Engineer, No. 277 Broadway, Room 1408. Telephone, 2281 Worth.
Arthur S. Tuttle, Engineer in charge Division of Public Improvements, No. 277 Broadway. Room 1408. Telephone, 2281 Worth.

BUREAU OF FRANCHISES.

Harry P. Nichols, Engineer, Chief of Bureau, 277 Broadway, Room 801. Telephone, 2282 Worth.
Office hours, 9 a. m. to 5 p. m. (except during July and August, when hours are 9 a. m. to 4 p. m.); Saturdays, 9 a. m. to 12 m.

BOARD OF EXAMINERS.

Rooms 6027 and 6028, Metropolitan Building, No. 1 Madison avenue, Borough of Manhattan. 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 5840 Gramercy.
George A. Just, Chairman. Members: William Crawford, Lewis Harding, Charles G. Smith, John P. Leo, Robert Maynicke, and John Kenlon.
Edward V. Barton, Clerk.
Board meeting every Tuesday at 2 p. m.

BOARD OF INEBRIETY.

Office, 300 Mulberry street, Manhattan.
Thomas J. Colton, President.
Rev. William Morrison, Secretary.
John Dorning, M.D.
Rev. John J. Hughes.
William Browning, M.D.
Telephone, 7116 Spring.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

BOARD OF PAROLE OF THE NEW YORK CITY REFORMATORY OF MISDEMEANANTS.

Office, No. 148 East Twentieth street.
Patrick A. Whitney, Commissioner of Correction, President.
John B. Mayo, Judge, Special Sessions, Manhattan.
Robert J. Wilkin, Judge, Special Sessions, Brooklyn.
Frederick B. House, City Magistrate, First Division.
Edward J. Dooley, City Magistrate, Second Division.
Samuel B. Hamburger, John . Heintz, Rosario Maggio, Richard E. Troy.
Thomas R. Minnick, Secretary.
Telephone, 1047 Gramercy.

BOARD OF REVISION OF ASSESSMENTS.

William A. Prendergast, Comptroller.
Archibald R. Watson, Corporation Counsel.
Lawson Purdy, President of the Department of Taxes and Assessments.
John Korb, Jr., Chief Clerk, Finance Department, No. 280 Broadway.
Telephone, 1200 Worth.

BOARD OF WATER SUPPLY.

Office, No. 165 Broadway.
Charles Strauss, President; Charles N. Chadwick and John F. Galvin, Commissioners.
Joseph P. Morrissey, Secretary.
J. Waldo Smith, Chief Engineer.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4310 Cortlandt.

COMMISSIONER OF ACCOUNTS.

Raymond B. Fosdick, Commissioner of Accounts.
Rooms 114 and 115, Stewart Building, No. 280 Broadway, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4315 Worth.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.

City Hall, Rooms 11, 12; 10 a. m. to 4 p. m.; Saturdays, 10 a. m. to 12 m.
Telephone, 7560 Cortlandt.
P. J. Scully, City Clerk and Clerk of the Board of Aldermen.
Joseph F. Prendergast, First Deputy.
John T. Oakley, Chief Clerk of the Board of Aldermen.
Joseph V. Sculley, Clerk, Borough of Brooklyn.
Matthew McCabe, Deputy City Clerk, Borough of The Bronx.
George D. Frenz, Deputy City Clerk, Borough of Queens.
Joseph F. O'Grady, Deputy City Clerk, Borough of Richmond.

CHANGE OF GRADE DAMAGE COMMISSION.

Office of the Commission, Room 223, No. 280 Broadway (Stewart Building), Borough of Manhattan, New York City.
William D. Dickey, Cambridge Livingston, David Robinson, Commissioner. Lamont McLoughlin, Clerk.
Regular advertised meetings on Monday, Tuesday and Thursday of each week at 2 o'clock p. m.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3254 Worth.

CITY RECORD OFFICE.

BUREAU OF PRINTING, STATIONERY AND BLANK BOOKS.

Supervisor's Office, 8th floor, Park Row Building, No. 21 Park Row.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1505 and 1506 Cortlandt.
Distributing Division, Nos. 96 and 98 Reade street, near West Broadway.
David Ferguson, Supervisor.
Henry McMillen, Deputy Supervisor.
C. McKemie, Secretary.

COMMISSIONER OF LICENSES.

Office, No. 277 Broadway.
Herman Robinson, Commissioner.
Samuel Prince, Deputy Commissioner.
John J. Caldwell, Secretary.
Office hours, 9 a. m. to 5 p. m.; Saturdays 9 a. m. to 12 m.
Telephone, 2828 Worth.

COMMISSIONERS OF SINKING FUND.

William J. Gaynor, Mayor, Chairman; William A. Prendergast, Comptroller; Robert R. Moore Chamberlain; John Purroy Mitchel, President of the Board of Aldermen, and Henry H. Curran' Chairman Finance Committee, Board of Aldermen' members; John Korb, Jr., Secretary.
Office of Secretary, Room 9, Stewart Building' No. 280 Broadway, Borough of Manhattan.
Telephone, 1200 Worth.

DEPARTMENT OF BRIDGES.

Nos. 13-21 Park Row.
Arthur J. O'Keeffe, Commissioner.
William H. Sinnott, Deputy Commissioner.
Edgar E. Schiff, Secretary.
Office hours, 9 a. m. to 5 p. m.
Saturdays, 9 a. m. to 12 m.
Telephone, 6080 Cortlandt.

DEPARTMENT OF CORRECTION.

CENTRAL OFFICE.

No. 148 East Twentieth street. Office hours from 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1047 Gramercy.
Patrick A. Whitney, Commissioner.
William J. Wright, Deputy Commissioner.
John B. Fitzgerald, Secretary.

DEPARTMENT OF DOCKS AND FERRIES.

Pier "A" N. R., Battery place.
Telephone, 300 Rector.
Calvin Tomkins, Commissioner.
B. F. Cresson, Jr., First Deputy Commissioner.
William J. Barney, Second Deputy Commissioner.
Matthew J. Harrington, Secretary.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

DEPARTMENT OF EDUCATION.

BOARD OF EDUCATION.

Park avenue and Fifty-ninth street, Borough of Manhattan, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 5580 Plaza.
Stated meetings of the Board are held at 4 p. m. on the first Monday in February, the second Wednesday in July, and the second and fourth Wednesdays in every month, except July and August.
Richard B. Aldcrofft, Jr., Reba C. Bamberger (Mrs.), Joseph Barondess, Nicholas J. Barrett, Thomas W. Churchill, Joseph E. Cosgrove, Francis P. Cunnion, Thomas M. De Laney, Martha Lincoln Draper (Miss), Alexander Ferris, George J. Gillespie, John Greene, Robert L. Harrison, Louis Haupt, M. D.; Ella W. Kramer (Mrs.), Olivia Leventritt (Miss), Isadore M. Levy, Morris Loeb, Jeremiah T. Mahoney, Alrick H. Man, John Martin, Robert E. McCafferty, Dennis J. McDonald, M. D.; Patrick F. McGowan, Herman A. Metz, Frank W. Meyer, Augustus G. Miller, George C. Miller, Henry P. Morrison, Louis Newman, Antonio Pisani, M. D.; Alice Lee Post (Mrs.), Arthur S. Somers, Abraham Stern, M. Samuel Stern, Cornelius J. Sullivan, James E. Sullivan, Michael J. Sullivan, Bernard Suydam, Rupert B. Thomas, John R. Thompson, Alphonse Weiner, John Whalen, Frank D. Wilsey, George W. Wingate, Egerton L. Winthrop, Jr., members of the Board.
Egerton L. Winthrop, Jr., President.
John Greene, Vice-President.
A. Emerson Palmer, Secretary.
Fred H. Johnson, Assistant Secretary.
C. B. J. Snyder, Superintendent of School Buildings.
Patrick Jones, Superintendent of School Supplies.
Henry R. M. Cook, Auditor.
Thomas A. Dillon, Chief Clerk.
Henry M. Leipziger, Supervisor of Lectures.
Claude G. Leland, Superintendent of Libraries.
A. J. Maguire, Supervisor of Janitors.

BOARD OF SUPERINTENDENTS.

William H. Maxwell, City Superintendent of Schools, and Andrew W. Edson, John H. Haaren, Clarence E. Meleney, Thomas S. O'Brien, Edward B. Shallow, Edward L. Stevens, Gustave Straubenmuller, John H. Walsh, Associate City Superintendents.

DISTRICT SUPERINTENDENTS.

Darwin L. Bardwell, William A. Campbell, John W. Davis, John Dwyer, James M. Edsall, Matthew J. Elgas, William L. Ettinger, Cornelius E. Franklin, John Griffin, M. D., Ruth E. Granger, Henry W. Jameson, Henry E. Jenkins, James Lee, Charles W. Lyon, James J. McCabe, William J. O'Shea, Julia Richman, Alfred T. Schauffler, Albert Shiels, Edgar Dubs Shimer, Seth T. Stewart, Edward W. Stitt, Grace C. Strachan, Joseph S. Taylor, Joseph H. Wade. (One vacancy.)

BOARD OF EXAMINERS.

William H. Maxwell, City Superintendent of Schools, and James C. Byrnes, Walter L. Hervey, Jerome A. O'Connell, George J. Smith, Examiners.

BOARD OF RETIREMENT.

Egerton L. Winthrop, Jr., Abraham Stern, Cornelius J. Sullivan, William H. Maxwell, Josephine E. Rogers, Mary A. Curtis, Lyman A. Best, Principal P. S. 108, Brooklyn, Secretary. Telephone, 1470 East New York.)

DEPARTMENT OF FINANCE.

Stewart Building, Chambers street and Broadway, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1200 Worth.
WILLIAM A. PRENDERGAST, Comptroller.
Douglas Mathewson and Edmund D. Fisher, Deputy Comptrollers.
Hubert L. Smith, Assistant Deputy Comptroller.
George L. Tirrell, Secretary to the Department.
Thomas W. Hynes, Supervisor of Charitable Institutions.
Walter S. Wolfe, Chief Clerk.

BUREAU OF AUDIT.

Charles S. Hervey, Chief Auditor of Accounts, Room 29.
Harry York, Deputy Chief Auditor of Accounts.
Duncan MacInnes, Chief Accountant and Bookkeeper.
John J. Kelly, Auditor of Disbursements.
H. H. Rathyen, Auditor of Receipts.
James J. Munro, Chief Inspector.
R. B. McIntyre, Examiner in Charge, Expert Accountants' Division.

LAW AND ADJUSTMENT DIVISION.

Albert E. Hadlock, Auditor of Accounts. Room 185.

BUREAU OF MUNICIPAL INVESTIGATION AND STATISTICS.

James Tilden Adamson, Supervising Statistician and Examiner. Room 180.

STOCK AND BOND DIVISION.

James J. Sullivan, Chief Stock and Bond Clerk, Room 85.

OFFICE OF THE CITY PAYMASTER.

No. 83 Chambers street and No. 65 Reade street.
John H. Timmerman, City Paymaster.

DIVISION OF REAL ESTATE.

Charles A. O'Malley, Appraiser of Real Estate. Room 103, No. 280 Broadway.

DIVISION OF AWARDS.

Joseph R. Kenny, Bookkeeper in Charge Rooms 155 and 157, No. 280 Broadway.

BUREAU FOR THE COLLECTION OF TAXES.

Borough of Manhattan—Stewart Building, Room O.
Frederick H. E. Ebstein, Receiver of Taxes.
John J. McDonough and Sylvester L. Malone, Deputy Receivers of Taxes.
Borough of The Bronx—Municipal Building, Third and Tremont avenues.
Edward H. Healy and John J. Knewitz, Deputy Receivers of Taxes.
Borough of Brooklyn—Municipal Building, Rooms 2-8.
Alfred J. Boulton and David E. Kemlo, Deputy Receivers of Taxes.
Borough of Queens—Municipal Building, Court House Square, Long Island City.
William A. Beadle and Thomas H. Green, Deputy Receivers of Taxes.
Borough of Richmond—Borough Hall, St. George, New Brighton.
John De Morgan and Edward J. Lovett, Deputy Receivers of Taxes.

BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS.

Borough of Manhattan, Stewart Building, Room E.
Daniel Moynahan, Collector of Assessments and Arrears.
George W. Wanmaker, Deputy Collector of Assessments and Arrears.
Borough of The Bronx—Municipal Building, Rooms 1-3.
Charles F. Bradbury, Deputy Collector of Assessments and Arrears.
Borough of Brooklyn—Mechanics' Bank Building, corner Court and Montague streets.
Theodore G. Christmas, Deputy Collector of Assessments and Arrears.
Borough of Queens—Municipal Building, Court House Square, Long Island City.
Bernard H. Fee, Clerk, Acting Deputy Collector of Assessments and Arrears.
Borough of Richmond—St. George, New Brighton.
Edward W. Berry, Deputy Collector of Assessments and Arrears.

BUREAU FOR THE COLLECTION OF CITY REVENUE AND OF MARKETS.

Stewart Building, Chambers street and Broadway, Room K.
Sydney H. Goodacre, Collector of City Revenue and Superintendent of Markets.

BUREAU OF THE CHAMBERLAIN.

Stewart Building, Chambers street and Broadway, Rooms 63 to 67.
Robert R. Moore, Chamberlain.
Henry J. Walsh, Deputy Chamberlain.
Office hours, 9 a. m. to 5 p. m.
Telephone, 4270 Worth.

DEPARTMENT OF HEALTH.

Southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Burial Permit and Contagious Disease Offices always open.
Telephone, 4900 Columbus.
Ernst J. Lederle, Ph. D., Commissioner of Health and President.
Alvah H. Doty, M. D.; Rhinelander Waldo, Commissioners.
Eugene W. Scheffer, Secretary.
Herman M. Biggs, M. D., General Medical Officer.
Walter Bensel, M. D., Sanitary Superintendent.
William H. Guilfoy, M. D., Registrar of Records.
James McC. Miller, Chief Clerk.

Borough of Manhattan.

Alonzo Blauvelt, M. D., Assistant Sanitary Superintendent; George A. Roberts, Assistant Chief Clerk.
Borough of The Bronx, No. 3731 Third avenue.
Marion B. McMillan, M. D., Assistant Sanitary Superintendent: Ambrose Lee, Jr., Assistant Chief Clerk; Arthur J. O'Leary, M. D., Assistant Registrar of Records.

Borough of Brooklyn, Flatbush avenue, Willoughby and Fleet streets.

Travers R. Maxfield, M. D., Assistant Sanitary Superintendent; Alfred T. Metcalfe, Assistant Chief Clerk; S. J. Byrne, M. D., Assistant Registrar of Records.

Borough of Queens, Nos. 372 and 374 Fulton streets, Jamaica.

John H. Barry, M. D., Assistant Sanitary Superintendent; George R. Crowly, Assistant Chief Clerk; Robert Campbell, M. D., Assistant Registrar of Records.

Borough of Richmond, No. 514 Bay street, Stapleton, Staten Island.

John T. Sprague, M. D., Assistant Sanitary Superintendent; Charles E. Hoyer, Assistant Chief Clerk; Shirley W. Wynne, M. D., Assistant Registrar of Records.

DEPARTMENT OF PARKS.

Charles B. Stover, Commissioner of Parks for the Boroughs of Manhattan and Richmond, and President Park Board.
Clinton H. Smith, Secretary.
Offices, Arsenal, Central Park.
Telephone, 201 Plaza.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Michael J. Kennedy, Commissioner of Parks for the Borough of Brooklyn.
Offices, Litchfield Mansion, Prospect Park Brooklyn.
Office hours, 9 a. m. to 5 p. m.; July and August, 9 a. m. to 4 p. m.
Telephone, 2300 South.
Thomas J. Higgins, Commissioner of Parks for the Borough of The Bronx.
Office, Zbrowski Mansion, Claremont Park.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 2640 Tremont.
Walter G. Eliot, Commissioner of Parks for the Borough of Queens.
Temporary office, Arsenal, Central Park, Manhattan.

PERMANENT CENSUS BOARD.

Hall of Board of Education, No. 500 Park avenue, third floor. Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
The Mayor, City Superintendent of Schools and Police Commissioner. George H. Chatfield, Secretary.
Telephone, 5752 Plaza.

DEPARTMENT OF PUBLIC CHARITIES.

PRINCIPAL OFFICE.

Foot of East Twenty-sixth street, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 7400 Madison Square.
Michael J. Drummond, Commissioner.
Frank J. Goodwin, First Deputy Commissioner.
William J. McKenna, Third Deputy Commissioner.
Thomas L. Fogarty, Second Deputy Commissioner for Brooklyn and Queens, Nos. 327 to 331 Schermerhorn street, Brooklyn. Telephone, 2977 Main.
J. McKee Borden, Secretary.
Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Bureau of Dependent Adults, foot of East Twenty-sixth street. Office hours, 9 a. m. to 5 p. m.
The Children's Bureau, No. 124 East 59th street. Office hours, 9 a. m. to 5 p. m.
Jeremiah Connelly, Superintendent for Richmond Borough, Borough Hall, St. George, Staten Island.
Telephone, 1000 Tompkinsville.

DEPARTMENT OF STREET CLEANING.

Nos. 13 to 21 Park Row, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3863 Cortlandt.
William H. Edwards, Commissioner.
James F. Lynch, Deputy Commissioner, Borough of Manhattan.
Julian Scott, Deputy Commissioner, Borough of Brooklyn.
James F. O'Brien, Deputy Commissioner, Borough of The Bronx.
John J. O'Brien, Chief Clerk.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Hall of Records, corner of Chambers and Centre streets. Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Commissioners—Lawson Purdy, President; Chas. J. McCormack, John J. Halleran, Charles T. White, Daniel S. McElroy, Edward Kaufmann, Judson G. Wall.
Telephone, 3900 Worth.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Nos. 13 to 21 Park Row, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephones: Manhattan, 5962 Cortlandt; Brooklyn, 3980 Main; Queens, 1990 Greenpoint; Richmond, 840 Tompkinsville; Bronx, 3400 Tremont.
Henry S. Thompson, Commissioner.
J. W. F. Bennett, Deputy Commissioner.
Frederic T. Parsons, Deputy Commissioner, Borough of Brooklyn. Municipal Building, Brooklyn.
John L. Jordan, Deputy Commissioner, Borough of The Bronx, Municipal Building, The Bronx.
M. P. Walsh, Deputy Commissioner, Borough of Queens, Municipal Building, Long Island City.
John E. Bowe, Deputy Commissioner, Borough of Richmond. Municipal Building, St. George.

EXAMINING BOARD OF PLUMBERS.

Edwin Hayward, President.
James J. Donahue, Secretary.
August C. Schwager, Treasurer.
Rooms Nos. 14, 15 and 16, Aldrich Building, Nos. 149 and 151 Church street.
Telephone, 6472 Barclay.
Office open during business hours every day in the year (except legal holidays). Examinations are held on Monday, Wednesday and Friday at 1 p. m.

FIRE DEPARTMENT

Headquarters: Office hours for all, from 9 a. m. to 5 p. m.; Saturdays, 12 m. Central offices and fire stations open at all hours.

OFFICES.

Headquarters of Department, Nos. 157 and 159 East 67th street, Manhattan. Telephone, 640 Plaza.
Brooklyn office, Nos. 365 and 367 Jay street, Brooklyn. Telephone, 2653 Main.
Joseph Johnson, Commissioner.
George W. Olvany, Deputy Commissioner.
Philip P. Farley, Deputy Commissioner, Boroughs of Brooklyn and Queens.
Daniel E. Finn, Secretary of Department.
Lloyd Dorsey Willis, Secretary to Commissioner.
Walter J. Nolan, Secretary to Deputy Commissioner. Boroughs of Brooklyn and Queens.
John Kenlon, Chief of Department, in charge Bureau of Fire Extinguishment, 157 and 159 East 67th street, Manhattan.
Thomas Lally, Deputy Chief in charge, Boroughs of Brooklyn and Queens, 365-367 Jay street, Brooklyn.
William Guerin, Deputy Chief in charge Bureau of Fire Prevention, 157 and 159 East 67th street, Manhattan.
John C. Rennard, Electrical Engineer, in charge Fire Alarm Telegraph Bureau, 157 and 159 East 67th street, Manhattan.
John R. Keefe, Clerk, in charge Bureau of Repairs and Supplies, 157 and 159 East 67th street, Manhattan.

LAW DEPARTMENT.

OFFICE OF CORPORATION COUNSEL.

Office hours, 9 a. m. to 5 p. m.; Saturdays 9 a. m. to 12 m.
Main office, Hall of Records, Chambers and Centre streets, 6th and 7th floors.
Telephone, 4600 Worth.
Archibald R. Watson, Corporation Counsel.
Assistants—Theodore Connoly, George L. Sterling, Charles D. Olendorf, William P. Burr, R. Percy Chittenden, William Beers Crowell, John L. O'Brien, Terence Farley, Edward J. McGoldrick, David S. Garland, Curtis A. Peters, Cornelius F. Collins, John F. O'Brien, Edward S. Malone, Edwin J. Freedman, Louis H. Hahlo, Frank B. Pierce, Richard H. Mitchell, John Widdecombe, Arthur Sweeny, William H. King, George P. Nicholson, Dudley F. Malone, Charles J. Nehrbas, William J. O'Sullivan, Harford P. Walker, Josiah A. Stover, Arnold C. Weil, Francis J. Byrne, John Lehman, Francis Martin, Charles McIntyre, Clarence L. Barber, Alfred W. Booraem, George H. Cowle, Solon Berrick, James P. O'Connor, Elliott S. Benedict, Isaac Phillips, Edward A. McShane, Eugene Fay, Ricardo M. DeAcosta, John M. Barrett, Frank P. Reilly, Leon G. Godley, Alexander C. MacNulty, Samuel Hoffmann, John W. Goff, Jr., William R. Wilson.
Secretary to the Corporation Counsel—Edmund Kirby, Jr.
Chief Clerk—Andrew T. Campbell.
Brooklyn office, Borough Hall, 2d floor. Telephone, 2948 Main. James D. Bell, Assistant in charge.

BUREAU OF STREET OPENINGS.

Main office, No. 90 West Broadway. Telephone, 5070 Barclay. Joel J. Squier, Assistant in charge.
Brooklyn branch office, No. 166 Montague street. Telephone, 3670 Main. Edward Riegelmann, Assistant in charge.
Queens branch office, Municipal Building, Court House Square, Long Island City. Telephone, 3886 phone, 3010-11 Greenpoint. Walter C. Sheppard, Assistant in charge.

BUREAU FOR THE RECOVERY OF PENALTIES.

No. 119 Nassau street. Telephone, 4526 Cortandt. Herman Stiefel, Assistant in charge.

BUREAU FOR THE COLLECTION OF ARREARS OF PERSONAL TAXES.

No. 280 Broadway, 5th floor. Telephone, 4585 Worth. Geo. O'Reilly, Assistant in charge.

TENEMENT HOUSE BUREAU AND BUREAU OF BUILDINGS.

No. 44 East Twenty-third street. Telephone, 961 Gramercy. John P. O'Brien, Assistant in charge.

METROPOLITAN SEWERAGE COMMISSION.

Office, No. 17 Battery place. George A. Soper, Ph.D., President; James H. Fuertes, Secretary; H. de B. Parsons, Charles Sooysmith, Linsly R. Williams, M. D.

Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 1694 Rector.

MUNICIPAL CIVIL SERVICE COMMISSION.

No. 299 Broadway, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

James Creelman, President; Richard Welling and Alexander Keogh, Commissioners.

Frank A. Spencer, Secretary.

LABOR BUREAU.

Nos. 54-60 Lafayette street.

Telephone, 2140 Worth.

MUNICIPAL EXPLOSIVES COMMISSION.

Nos. 157 and 159 East 67th street, Headquarters Fire Department.

Joseph Johnson, Fire Commissioner and ex-officio Chairman; Geo. O. Eaton, Sidney Harris, Bartholomew Donovan.

R. S. Lundy, Secretary.

Meetings at call of Fire Commissioner.

POLICE DEPARTMENT.

CENTRAL OFFICE.

No. 240 Centre street, 9 a. m. to 5 p. m. (months of June, July and August, 9 a. m. to 4 p. m.); Saturdays, 9 a. m. to 12 m.

Telephone, 3100 Spring.

Rhinelander Waldo, Commissioner.

Douglas I. McKay, First Deputy Commissioner.

George S. Dougherty, Second Deputy Commissioner.

John J. Walsh, Third Deputy Commissioner.

James E. Dillon, Fourth Deputy Commissioner.

William H. Kipp, Chief Clerk.

PUBLIC SERVICE COMMISSION.

The Public Service Commission for the First District, Tribune Building, No. 154 Nassau street, Manhattan.

Office hours, 8 a. m. to 11 p. m., every day in the year, including holidays and Sundays.

Stated public meetings of the Commission, Tuesdays and Fridays at 12 m., in the Public Hearing Room of the Commission, third floor of the Tribune Building, unless otherwise ordered.

Commissioners—William R. Willcox, Chairman; William McCarroll, Milo R. Maltbie, John E. Eustis, J. Sergeant Cram. Counsel, George S. Coleman. Secretary, Travis H. Whitney.

Telephone, 4150 Beekman.

TENEMENT HOUSE DEPARTMENT.

John J. Murphy, Commissioner, Manhattan. Office, 44 East 23d street. Telephone, 5331 Gramercy. William H. Abbott, Jr., First Deputy Commissioner.

Brooklyn office (Boroughs of Brooklyn, Queens and Richmond), 503 Fulton street. Telephone, 3825 Main. Frank Mann, Second Deputy Commissioner.

Bronx office, 391 East 149th street. Telephone, 967 Melrose. William B. Calvert, Superintendent.

Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

BOROUGH OFFICES.

BOROUGH OF MANHATTAN.

Office of the President, Nos. 14, 15 and 16 City Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

George McAneny, President.

Leo Arnstein, Secretary of the Borough.

Julian B. Beaty, Secretary to the President.

Edgar Vietor Frothingham, Commissioner of Public Works.

W. R. Patterson, Assistant Commissioner of Public Works.

Rudolph P. Miller, Superintendent of Buildings.

Robert B. Insley, Superintendent of Public Buildings and Offices.

BOROUGH OF THE BRONX.

Office of the President, corner Third avenue and One Hundred and Seventy-seventh street; 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

Cyrus C. Miller, President.

George Donnelly, Secretary.

Thomas W. Whittle, Commissioner of Public Works.

James A. Henderson, Superintendent of Buildings.

Arthur J. Largy, Superintendent of Highways.

Roger W. Bligh, Superintendent of Public Buildings and Offices.

Telephone, 2680 Tremont.

BOROUGH OF BROOKLYN.

President's Office, Nos. 15 and 16, Borough Hall; 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

Alfred E. Steers, President.

Reuben L. Haskell, Borough Secretary.

John B. Creighton, Secretary to the President.

Lewis H. Pounds, Commissioner of Public Works.

John Thatcher, Superintendent of Buildings.

William J. Taylor, Superintendent of the Bureau of Sewers.

Howard L. Woody, Superintendent of the Bureau of Public Buildings and Offices.

Frederick Linde, Superintendent of Highways

Telephone, 3960 Main.

BOROUGH OF QUEENS.

President's Office, Borough Hall, Jackson avenue and Fifth street, Long Island City; 9 a. m to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 1900 Greenpoint.

Maurice E. Connolly, President.

————————, Secretary.

Denis O'Leary, Commissioner of Public Works.

G. Howland Leavitt, Superintendent of High ways.

John J. Simmons, Superintendent of Buildings.

————————————, Superintendent of Sewers.

Daniel Ehntholt, Superintendent of Street Cleaning.

Joseph Sullivan, Superintendent of Public Buildings and Offices, Flushing. Telephone, 1740 Flushing.

BOROUGH OF RICHMOND.

President's Office, New Brighton, Staten Island.

George Cromwell, President.

Maybury Fleming, Secretary.

Louis Lincoln Tribus, Consulting Engineer and Acting Commissioner of Public Works.

John Seaton, Superintendent of Buildings.

H. E. Buel, Superintendent of Highways.

John T. Fetherston, Assistant Engineer and Acting Superintendent of Street Cleaning.

Ernest H. Seehusen, Superintendent of Sewers.

John Timlin, Jr., Superintendent of Public Buildings and Offices.

Offices, Borough Hall, New Brighton, N. Y., 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 1000 Tompkinsville.

CORONERS.

Borough of The Bronx—Corner of Third avenue and Tremont avenue. Telephone, 1250 Tremont and 1402 Tremont.

A. F. Schwannecke, Jacob Shongut.

Borough of Brooklyn—Office, 236 Duffield street, near Fulton street. Telephone, 4004 Main and 4005 Main.

Alexander J. Rooney, Edward Glinnen, Coroners.

Open all hours of the day and night.

Borough of Manhattan—Office, 70 Lafayette street, corner of Franklin street.

Open at all times of the day and night.

Coroners: Israel L. Feinberg, Herman Hellenstein, James E. Winterbottom, Herman W. Holtzhauser.

Telephones, 5057, 5058 Franklin.

Borough of Queens—Office, Town Hall, Fulton street, Jamaica, L. I.

Alfred S. Ambler, G. J. Schaefer.

Office hours from 9 a. m. to 10 p. m., excepting Sundays and holidays; office open then from 9 a. m. to 12 m.

Borough of Richmond—No. 175 Second street, New Brighton. Open for the transaction of business all hours of the day and night.

William H. Jackson, Coroner.

Telephone, 7 Tompkinsville.

COUNTY OFFICES.

NEW YORK COUNTY.

COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Thomas Allison, Commissioner.

Frederick P. Simpson, Assistant Commissioner.

Telephone, 241 Worth.

COMMISSIONER OF RECORDS.

Office, Hall of Records.

William S. Andrews, Commissioner.

James O. Farrell, Deputy Commissioner.

William Moores, Superintendent.

James J. Fleming, Jr., Secretary.

Telephone, 3900 Worth.

Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

During the months of July and August the hours are from 9 a. m. to 2 p. m.

COUNTY CLERK.

Nos. 5, 8, 9, 10 and 11 New County Court House.

Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m to 12 m.

William F. Schneider, County Clerk.

Charles E. Gehring, Deputy.

Wm. B. Selden, Second Deputy.

Herman W. Beyer, Superintendent of Indexing and Recording.

Telephone, 5388 Cortlandt.

DISTRICT ATTORNEY.

Building for Criminal Courts, Franklin and Centre streets.

Office hours from 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

Charles S. Whitman, District Attorney.

Henry D. Sayer, Chief Clerk.

Telephone, 2304 Franklin.

PUBLIC ADMINISTRATOR.

No 119 Nassau street, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

William M. Hoes, Public Administrator.

Telephone, 6376 Cortlandt.

REGISTER.

Hall of Records, office hours, from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. During the months of July and August the hours are from 9 a. m. to 2 p. m.

Max S. Grifenhagen, Register.

William Halpin, Deputy Register.

Telephone, 3900 Worth.

SHERIFF.

No. 299 Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. Except during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.

Julius Harburger, Sheriff.

John F. Gilchrist, Under Sheriff.

Telephone, 4984 Worth.

SURROGATES.

Hall of Records. Court open from 9 a. m. to 4 p. m., except Saturday, when it closes at 12 m. During the months of July and August the hours are from 9 a. m. to 2 p. m.

John P. Cohalan and Robert L. Fowler, Surrogates; William V. Leary, Chief Clerk.

Bureau of Records: John F. Curry, Commissioner; Charles W. Culkin, Deputy Commissioner; George F. Scannell, Superintendent.

Telephone, 3900 Worth.

KINGS COUNTY.

COMMISSIONER OF JURORS.

5 County Court House.

Thomas R. Farrell, Commissioner.

Michael J. Trudden, Deputy Commissioner.

Office hours from 9 a. m. to 4 p. m.; Saturdays from 9 a. m. to 12 m.

Office hours during July and August, 9 a. m to 2 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 1454 Main.

COMMISSIONER OF RECORDS.

Hall of Records.

Office hours, 9 a. m. to 4 p. m., excepting months of July and August, then 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.

Charles H. Graff, Commissioner.

William F. Thompson, Deputy Commissioner.

Telephone, 6988 Main.

COUNTY CLERK.

Hall of Records, Brooklyn. Office hours, 9 a. m. to 4 p. m.; during months of July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.

Charles S. Devoy, County Clerk.

John Feitner, Deputy County Clerk.

Telephone call, 4930 Main.

COUNTY COURT.

County Court House, Brooklyn, Rooms 1, 10, 14, 17, 18, 22 and 23. Court opens at 10 a. m. daily and sits until business is completed. Part I., Room No. 23; Part II., Room No. 10; Part III., Room No. 14; Part IV., Room No. 1, Court House. Clerk's office, Rooms 17, 18, 19 and 22, open daily from 9 a. m. to 5 p. m.; Saturdays, 12 m.

Norman S. Dike and Lewis L. Fawcett, County Judges.

John T. Rafferty, Chief Clerk.

Telephone, 4154 and 4155 Main.

DISTRICT ATTORNEY.

Office, 66 Court street, Borough of Brooklyn. Hours, 9 a. m. to 5.30 p. m.; Saturdays, 9 a. m. to 1 p. m.

James C. Cropsey, District Attorney.

Telephone number, 2954-5-6-7 Main.

PUBLIC ADMINISTRATOR.

No. 44 Court street (Temple Bar), Brooklyn, 9 a. m. to 5 p. m.

Frank V. Kelly, Public Administrator.

Telephone, 2840 Main.

REGISTER.

Hall of Records. Office hours, 9 a. m. to 4 p. m., excepting months of July and August, then from 9 a. m. to 2 p. m., provided for by statute; Saturdays, 9 a. m. to 12 m.

Edward T. O'Loughlin, Register.

Alfred T. Hobley, Deputy Register.

Telephone, 2830 Main.

SHERIFF.

Temple Bar Building, 186 Remsen street, Room 401, Brooklyn, N. Y.

9 a. m. to 4 p. m.; Saturdays, 12 m.

Charles B. Law, Sheriff.

Lewis M. Swasey, Under Sheriff.

Telephone, 6845, 6846, 6847 Main.

SURROGATE.

Hall of Records, Brooklyn, N. Y.

Herbert T. Ketcham, Surrogate.

John H. McCooey, Chief Clerk and Clerk of he Surrogate's Court.

Court opens at 10 a. m. Office hours, 9 a. m. to 4 p. m., except during months of July and August, when office hours are from 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 3954 Main.

QUEENS COUNTY.

COMMISSIONER OF JURORS.

Office hours, 9 a. m. to 4 p. m.; July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.; Queens County Court House, Long Island City.

George H. Creed, Commissioner of Jurors.

Rodman Richardson, Assistant Commissioner.

Telephone, 455 Greenpoint.

COUNTY CLERK.

No. 364 Fulton street, Jamaica, Fourth Ward, Borough of Queens, City of New York.

Office open, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Martin Mager, County Clerk.

Telephone, 151 Jamaica.

COUNTY COURT.

County Court House, Long Island City.

County Court opens at 10 a. m. Trial Terms begin first Monday of each month, except July, August and September. Special Terms each Saturday, except during August and first Saturday of September.

Burt J. Humphrey, County Judge.

Telephone, 551 Jamaica.

DISTRICT ATTORNEY.

Office, Queens County Court House, Long Island City, 9 a. m. to 5 p. m., Saturdays, 9 a. m. to 12 m.

County Judge's office always open at No. 336 Fulton street, Jamaica, N. Y.

Matthew J. Smith, District Attorney.

Telephone, 3871 and 3872 Hunter's Point.

PUBLIC ADMINISTRATOR.

No. 17 Cook avenue, Elmhurst.

John T. Robinson, Public Administrator, County of Queens.

Office hours, 9 a. m. to 5 p. m.

Telephone, 335 Newtown.

SHERIFF.

County Court House, Long Island City, 9 a. m to 4 p. m.; during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.

Thomas M. Quinn, Sheriff.

John M. Phillips, Under Sheriff.

Telephone, 3766-7 Hunter's Point (office).

Henry O. Schleth, Warden.

Telephone, 4161 Hunter's Point.

SURROGATE.

Daniel Noble, Surrogate.

Office, No. 364 Fulton street, Jamaica.

Except on Sundays, holidays and half-holidays, the office is open from 9 a. m. to 4 p. m.; Saturdays, from 9 a. m. to 12 m. July and August, 9 a. m. to 2 p. m.

The calendar is called on each week day at 10 a. m., except during the month of August.

Telephone, 397 Jamaica.

RICHMOND COUNTY.

COMMISSIONER OF JURORS.

Village Hall, Stapleton.

Charles J. Kullman, Commissioner.

Office open from 9 a. m. until 4 p. m.; Saturdays from 9 a. m. to 12 m.

Telephone, 81 Tompkinsville.

COUNTY CLERK.

County Office Building, Richmond, S. I., 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

C. Livingston Bostwick, County Clerk.

Telephone, 28 New Dorp.

COUNTY JUDGE AND SURROGATE.

County Court—J. Harry Tiernan, County Judge.

Terms of the County Court.

First Monday of March and first Monday of October, 1912, with a Grand and Trial Jury.

First Monday of May and first Monday of December, 1912, with a Trial Jury only.

On Wednesdays of each week at Richmond (except during the month of August).

Surrogate's Court—J. Harry Tiernan, Surrogate.

Court days: Mondays and Tuesdays, at the Surrogate's Office in the Borough Hall. St. George, and Wednesdays, at the Surrogate's Office, Richmond, at 10.30 a. m., on which citations and orders are returnable, except during the month of August, and except on days when Jury terms of the County Court are held.

Telephones, 235 New Dorp, 1000 Tompkinsville—Court Room.

DISTRICT ATTORNEY.

Borough Hall, St. George, S. I.

Albert C. Fach, District Attorney.

Telephone, 50 Tompkinsville.

Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

PUBLIC ADMINISTRATOR.

Office, Port Richmond.

William T. Holt, Public Administrator.

Telephone, 704 West Brighton.

SHERIFF.

County Court House, Richmond, S. I.

John J. Collins, Sheriff; Peter J. Finn, Jr., Under-Sheriff.

Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 120 New Dorp.

THE COURTS.

APPELLATE DIVISION OF THE SUPREME COURT.

FIRST JUDICIAL DEPARTMENT.

Court House, Madison avenue, corner Twenty-fifth street. Court open from 2 p. m. until 6 p. m. Friday, Motion Day, Court opens at 10.30 a. m. Motions called at 10 a. m. Orders called at 10.30 a. m.

George L. Ingraham, Presiding Justice; Chester B. McLaughlin, Frank C. Laughlin, John Proctor Clarke, Francis M. Scott, Nathan L. Miller, Victor J. Dowling, Justices; Alfred Wagstaff, Clerk; William Lamb, Deputy Clerk.

Clerk's Office opens 9 a. m.

Telephone, 3340 Madison Square.

SUPREME COURT—FIRST DEPARTMENT.

County Court House, Chambers street. Court open from 10.15 a. m. to 4 p. m.

Special Term, Part I. (motions), Room No. 16.

Special Term, Part II. (ex-parte business), Room No. 13.

Special Term, Part III., Room No. 19.

Special Term, Part IV., Room No. 20.

Special Term, Part V., Room No. 6.

Special Term, Part VI., Room No. 31.

Trial Term, Part II., Room No. 34.

Trial Term, Part III., Room No. 32.

Trial Term, Part IV., Room No. 21.

Trial Term, Part V., Room No. 24.

Trial Term, Part VI., Room No. 18.

Trial Term, Part VII., Room No. —.

Trial Term, Part VIII., Room No. 23.

Trial Term, Part IX., Room No. 35.

Trial Term, Part X., Room No. 26.

Trial Term, Part XI., Room No. 27.

Trial Term, Part XII., Room No. —.

Trial Term, Part XIII., and Special Term, Part VII., Room No. 36.

Trial Term, Part XIV., Room No. 28.

Trial Term, Part XV., Room No. 37.

Trial Term, Part XVI., Room No. —.

Trial Term, Part XVII., Room No. 20.

Trial Term, Part XVIII., Room No. 29.

Appellate Term, Room No. 29.

Naturalization Bureau, Room No. 38, third floor.

Assignment Bureau, room on mezzanine floor, northeast.

Clerks in attendance from 10 a. m. to 4 p.m.

Clerk's Office, Special Term, Part I. (motion), Room No. 15.

Clerk's Office, Special Term, Part II. (ex-parte business), ground floor, southeast corner.

Clerk's Office, Special Term, Calendar, ground floor, south.

Clerk's Office, Trial Term, Calendar, room northeast corner, second floor, east.

Clerk's Office, Appellate Term, room southwest corner, third floor.

Trial Term, Part I. (criminal business).

Criminal Court House, Centre street.

Justices—Henry Bischoff, Leonard A. Giegerich, P. Henry Dugro, James Fitzgerald, James A. Blanchard, Samuel Greenbaum, Edward E. McCall, Edward B. Amend, Vernon M. Davis, Joseph E. Newburger, John W. Goff, Samuel Seabury, M. Warley Platzek, Peter A. Hendrick, John Ford, John J. Brady, Mitchell L. Erlanger, Charles L. Guy, James W. Gerard, Irving Lehman, Alfred R. Page, Edward J. Gavegan, Nathan Bijur, John J. Delany, Francis K. Pendleton, Daniel F. Cohalan, Henry D. Hotchkiss.

Telephone, 4580 Cortlandt.

SUPREME COURT—CRIMINAL DIVISION.

Building for Criminal Courts, Centre, Elm, White and Franklin streets.

Court opens at 10.30 a. m.

William F. Schneider, Clerk; Edward R. Carroll, Special Deputy to the Clerk.

Clerk's Office open from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

During July and August, Clerk's Office will close at 2 p. m.

Telephone, 6064 Franklin.

APPELATE DIVISION, SUPREME COURT.

SECOND JUDICIAL DEPARTMENT.

Court House, Borough Hall, Brooklyn. Court meets from 1 p. m. to 5 p. m., except that on Fridays court opens at 10 o'clock a. m. Almet F. Jenks, Presiding Justice; Michael H. Hirschberg, Joseph A. Burr, Edward B. Thomas, William J. Carr, John Woodward, Adelbert P. Rich, Justices. John B. Byrne, Clerk; Clarence A. Barrow, Deputy Clerk. Motion days, first and third Mondays of each Term.

Clerk's office opens 9 a. m.

Telephone, 1392 Main.

John B. Byrne, Clerk.

SUPREME COURT—SECOND DEPARTMENT.

KINGS COUNTY

Kings County Court-house, Joralemon and Fulton streets, Borough of Brooklyn.

Clerk's office hours, 9 o'clock a. m. to 5 o'clock p. m. Seven jury trial parts. Special Term for Trials. Special Term for Motions. Special Term (ex-parte business).

Naturalization Bureau, Room 7, Hall of Records Brooklyn, N. Y.

James F. McGee, General Clerk.

Telephone. 5460 Main.

QUEENS COUNTY.

County Court House, Long Island City.

Court opens at 10 a. m. Trial and Special Term for Motions and ex parte business each month except July, August and September, in Part 1.

Trial Term, Part 2, January, February, March, April, May and December.

Special Term for Trials, January, April, June and November.

Naturalization, first Friday in each Term.

Thomas B. Seaman, Special Deputy Clerk in charge.

John D. Peace, Part 1 and Calendar Clerk.

James Ingram, Part 2, Clerk.

Clerk's office open 9 a. m. to 5 p. m., except Saturday 9 a. m. to 12.30 p. m.

Telephone, 3896 Hunter's Point.

RICHMOND COUNTY.

Terms of Court in Year 1912.

Second Monday of January, first Monday of February, first Monday of April, first Monday of June, first Monday of November. Trial Terms to be held at County Court House at Richmond.

Second Monday of February, second Monday of June, second Monday of November. Special Terms for Trials to be held at Court Room, Borough Hall, St. George.

First and third Saturdays of January, second and fourth Saturdays of March, first and third Saturdays of April, second and fourth Saturdays of May, first and third Saturdays of October, first and third Saturdays of December. Special Terms for Motions to be held at Court Room, Borough Hall, St. George.

C. Livingston Bostwick, Clerk.

John H. Wilkinson, Special Deputy.

COURT OF GENERAL SESSIONS.

Held in the Building for Criminal Courts, Centre, Elm, White and Franklin streets.

Court opens at 10.30 a. m.

Warren W. Foster, Thomas C. O'Sullivan, Otto A. Rosalsky, Thomas C. T. Crain, Edward Swann,

Joseph F. Mulqueen, James T. Malone, Judges of the Court of General Sessions; Edward R. Carroll, Clerk. Telephone, 1201 Franklin.

Clerk's Office open from 9 a. m. to 4 p. m.

During July and August Clerk's Office will close at 2 p. m., and on Saturdays at 12 m.

CITY COURT OF THE CITY OF NEW YORK.

No. 32 Chambers street, Brownstone Building, City Hall Park, from 10 a. m. to 4 p. m.

Special Term Chambers will be held from 10 a. m. to 4 p. m.

Clerk's Office open from 9 a. m. to 4 p. m.

Edward F. O'Dwyer, Chief Justice; Francis B. Delehanty, Joseph I. Green, Alexander Finelite, Thomas F. Donnelly, John V. McAvoy, Peter Schmuck, Richard T. Lynch, Edward B. La Fetra, Richard H. Smith, Justices. Thomas F. Smith, Clerk.

Telephone, 122 Cortlandt.

COURT OF SPECIAL SESSIONS.

Building for Criminal Courts, Centre street, between Franklin and White streets, Borough of Manhattan.

Court opens at 10 a. m.

Isaac Franklin Russell, Chief Justice; Willard H. Olmsted, Joseph M. Deuel, Lorenz Zeller, John B. Mayo, Franklin Chase Hoyt, Joseph F. Moss, Howard J. Forker, John Fleming, Robert J. Wilkin, George J. O'Keefe, Morgan M. L. Ryan, James J. McInerney, Arthur C. Salmon and Henry Steinert, Justices. Frank W. Smith, Chief Clerk.

Part I., Criminal Court Building, Borough of Manhattan, John P. Hilly, Clerk. Telephone, 2092 Franklin.

Part II., 171 Atlantic avenue, Borough of Brooklyn. This part is held on Mondays, Thursdays and Fridays. Joseph L. Kerrigan, Clerk. Telephone, 4280 Main.

Part III., Town Hall, Jamaica, Borough of Queens. This part is held on Tuesdays. H. S. Moran, Clerk. Telephone, 657 Jamaica.

Part IV., Borough Hall, St. George, Borough of Richmond. This part is held on Wednesdays. Robert Brown, Clerk. Telephone, 49 Tompkinsville.

CHILDREN'S COURT.

New York County—No. 66 Third avenue, Manhattan. Dennis A. Lambert, Clerk. Telephone, 1832 Stuyvesant.

Kings County—No. 102 Court street, Brooklyn. Joseph W. Duffy, Clerk. Telephone, 627 Main.

Queens County—No. 19 Hardenbrook avenue, Jamaica. Sydney Ollendorff, Clerk. This court is held on Thursdays.

Richmond County—Corn Exchange Bank Bldg., St. George, S. I. William J. Browne, Clerk. This court is held on Tuesdays. Office open every day (except Sundays and holidays) from 9 a. m. to 4 p. m. On Saturdays from 9 a. m. to 12 m.

CITY MAGISTRATES' COURT.

FIRST DIVISION.

Court opens from 9 a. m. to 4 p. m.

William McAdoo, Chief City Magistrate; Robert C. Cornell, Leroy B. Crane, Peter T. Barlow, Matthew P. Breen, Frederick B. House, Charles N. Harris, Frederic Kernochan, Arthur C. Butts, Joseph E. Corrigan, Moses Herrman, Paul Krotel, Keyran J. O'Connor, Henry W. Herbert, Charles W. Appleton, Daniel F. Murphy, John J. Freschi, Francis X. McQuade, City Magistrates.

Philip Bloch, Chief Clerk, 300 Mulberry street. Telephone, 6213 Spring.

First District—Criminal Courts Building.

Second District—Jefferson Market.

Third District—Second avenue and First street.

Fourth District—No. 151 East Fifty-seventh street.

Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place.

Sixth District—One Hundred and Sixty-first street and Brook avenue.

Seventh District—No. 314 West Fifty-fourth street.

Eighth District—Main street, Westchester.

Ninth District (Night Court for Females)—No. 125 Sixth avenue.

Tenth District (Night Court for Males)—No. 151 East Fifty-seventh street.

Eleventh District—Domestic Relations Court—No. 151 East Fifty-seventh street.

SECOND DIVISION.

BOROUGH OF BROOKLYN.

Otto Kempner, Chief City Magistrate; Edward J. Dooley, John Naumer, A. V. B. Voorhees, Jr., Alexander H. Geismar, John F. Hylan, Howard P. Nash, Moses J. Harris, Charles J. Dodd, John C. McGuire, Louis H. Reynolds, City Magistrates.

Office of Chief Magistrates, 44 Court street, Rooms 209-214. Telephone, 7411 Main.

William F. Delaney, Chief Clerk.

Archibald J. McKinney, Chief Probation Officer Myrtle and Vanderbilt avenues, Brooklyn, N. Y.

Courts.

First District—No. 318 Adams street.

Second District—Court and Butler streets.

Fifth District—No. 249 Manhattan avenue.

Sixth District—No. 495 Gates avenue.

Seventh District—No. 31 Snider avenue (Flatbush).

Eighth District—West Eighth street (Coney Island).

Ninth District—Fifth avenue and Twenty-third street.

Tenth District—No. 133 New Jersey avenue.

Domestic Relations Court—Myrtle and Vanderbilt avenues.

BOROUGH OF QUEENS.

City Magistrates—Joseph Fitch, John A. Leach, Harry Miller, James J. Conway.

Courts.

First District—St. Mary's Lyceum, Long Island City.

Second District—Town Hall, Flushing, L. I.

Third District—Central avenue, Far Rockaway, L. I.

Fourth District—Town Hall, Jamaica, L. I.

BOROUGH OF RICHMOND.

City Magistrates—Joseph B. Handy, Nathaniel Marsh.

Courts.

First District—Lafayette avenue, New Brighton Staten Island.

Second Division—Village Hall, Stapleton, Staten Island.

All Courts open daily for business from 9 a. m. to 4 p. m., except on Saturdays, Sundays and lega holidays, when only morning sessions are held.

MUNICIPAL COURTS.

BOROUGH OF MANHATTAN.

First District—The First District embraces the territory bounded on the south and west by the southerly and westerly boundaries of the said borough, on the north by the centre line of Fourteenth street and the centre line of Fifth street from the Bowery to Second avenue, on the east by the centre lines of Fourth avenue from Fourteenth street to Fifth street, Second avenue, Chrystie street, Division street and Catharine street.

Wauhope Lynn, William F. Moore, John Hoyer, Justices.

Thomas O'Connell, Clerk.

Frank Mangin, Deputy Clerk.

Location of Court—Merchants' Association Building, Nos. 54-60 Lafayette street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. July and August from 9 a. m. to 2 p. m.

Additional Part is held at southwest corner of Sixth avenue and Tenth street.

Telephone, 6030 Franklin.

Second District—The Second District embraces the territory bounded on the south by the centre line of Fifth street from the Bowery to Second avenue and on the south and east by the southerly and easterly boundaries of the said borough, on the north by the centre line of East Fourteenth street, on the west by the centre lines of Fourth avenue from Fourteenth street to Fifth street, Second avenue, Chrystie street, Division street and Catharine street.

Benjamin Hoffman, Leon Sanders, Thomas P. Dinnean, Leonard A. Snitkin, Justices.

James J. Devlin, Clerk.

Location of Court—Nos. 264 and 266 Madison street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 4300 Orchard.

Third District—The Third District embraces the territory bounded on the south by the centre line of Fourteenth street, on the east by the centre line of Seventh avenue from Fourteenth street to Fifty-ninth street and by the centre line of Central Park West from Fifty-ninth street to Sixty-fifth street, on the north by the centre line of Sixty-fifth street and the centre line of Fifty-ninth street from Seventh to Eighth avenue, on the west by the westerly boundary of the said borough.

Thomas E. Murray, Thomas F. Noonan, Justices.

Michael Skelly, Clerk.

Location of Court—No. 314 West Fifty-fourth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone number, 5450 Columbus.

Fourth District—The Fourth District embraces the territory bounded on the south by the centre line of East Fourteenth street, on the west by the centre line of Lexington avenue and by the centre line of Irving place, including its projection through Gramercy Pa k, on the north by the centre line of Fifty-ninth street, on the east by the easterly line of said borough; excluding, however any portion of Blackwells Island.

Michael F. Blake, William J. Boyhan, Justices.

Abram Bernard, Clerk.

Location of Court—Part I. and Part II., No. 151 East Fifty-seventh street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 3860 Plaza.

Fifth District—The Fifth District embraces the territory bounded on the south by the centre line of Sixty-fifth street, on the east by the centre line of Central Park West, on the north by the centre line of One Hundred and Tenth street, on the west by the westerly boundary of said borough.

Alfred P. W. Seaman, William Young, Frederick Spiegelberg, Justices.

John H. Servis, Clerk.

Location of Court—Southwest corner of Broadway and Ninety-sixth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 4006 Riverside.

Sixth District—The Sixth District embraces the territory bounded on the south by the centre line of Fifty-ninth street and by the centre line of Ninety-sixth street from Lexington avenue to Fifth avenue, on the west by the centre line of Lexington avenue from Fifty-ninth street to Ninety-sixth street and the centre line of Fifth avenue from Ninety-sixth street to One Hundred and Tenth street, on the north by the centre line of One Hundred and Tenth street, on the east by the easterly boundary of said borough, including, however, all of Blackwells Island and excluding any portion of Wards Island.

Jacob Marks, Solomon Oppenheimer, Justices.

Edward A. McQuade, Clerk.

Location of Court—Northwest corner of Third avenue and Eighty-third street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 4343 Lenox.

Seventh District—The Seventh District embraces the territory bounded on the south by the centre line of One Hundred and Tenth street, on the east by the centre line of Fifth avenue to the northerly terminus thereof, and north of the northerly terminus of Fifth avenue, following in a northerly direction the course of the Harlem River, on a line coterminus with the easterly boundary of said borough, on the north and west by the northerly and westerly boundaries of said borough.

Philip J. Sinnott, David L. Weil, John R. Davies, Justices.

John P. Burns, Clerk.

Location of Court—No. 70 Manhattan street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; July and August, 9 a. m. to 2 p. m.

Eighth District—The Eighth District embraces the territory bounded on the south by the centre line of One Hundred and Tenth street, on the west by the centre line of Fifth avenue, on the north and east by the northerly and easterly boundaries of said borough, including Randalls Island and the whole of Wards Island.

Joseph P. Fallon and Leopold Prince, Justices.

William J. Kennedy, Clerk.

Location of Court—Sylvan place and One Hundred and Twenty-first street, near Third avenue. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 3950 Harlem.

Ninth District—The Ninth District embraces the territory bounded on the south by the centre line of Fourteenth street and by the centre line of Fifty-ninth street from the centre line of Seventh avenue to the centre line of Central Park West, on the east by the centre line of Lexington avenue and by the centre line of Irving place, including its projection through Gramercy Park, and by the centre line of Fifth avenue from the centre line of Ninety-sixth street to the centre line of One Hundred and Tenth street, on the north by the centre line of Ninety-sixth street from the centre line of Lexington avenue to the centre line of Fifth avenue and One Hundred and Tenth street from Fifth avenue to Central Park West, on the west by the centre line of Seventh avenue and Central Park West.

Edgar J. Lauer, Frederic De Witt Wells, Frank D. Sturges, William C. Wilson, Justices.

William J. Chamberlain, Clerk.

Location of Court—Southwest corner of Madison avenue and Fifty-ninth street. Parts I. and II. Court opens at 9 a. m. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays 9 a. m. to 12 m.

Telephone, 3873 Plaza.

BOROUGH OF THE BRONX

First District—All that part of the Twenty-fourth Ward which was lately annexed to the City and County of New York by chapter 934 of the Laws of 1895, comprising all of the late Town of Westchester and part of the Towns of Eastchester and Pelham, including the Villages of Wakefield and Williamsbridge. Court room, Town Hall, No. 1400 Williamsbridge road, Westchester Village. Court open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m. Trial of causes, Tuesday and Friday of each week.

Peter A. Sheil, Justice.

Stephen Collins, Clerk.

Office hours from 9 a. m. to 4 p. m.; Saturdays closing at 12 m.

Telephone, 457 Westchester.

Second District—Twenty-third and Twenty-fourth Wards, except the territory described in chapter 934 of the Laws of 1895. Court room southeast corner of Washington avenue and One Hundred and Sixty-second street. Office hours from 9 a. m. to 4 p. m. Court opens at 9 a. m., Sundays and legal holidays excepted.

John M. Tierney and William E. Morriss Justice.

Thomas A. Maher, Clerk.

Telephone, 3043 Melrose.

BOROUGH OF BROOKLYN.

First District—Comprising First, Second, Third, Fourth, Fifth, Sixth, Tenth and Twelfth Wards, and that portion of the Eleventh Ward beginning at the intersection of the centre lines of Hudson and Myrtle avenues, thence along the centre line of Myrtle avenue to North Portland avenue, thence along the centre line of North Portland avenue to Flushing avenue, thence along the centre line of Flushing avenue to Navy street, thence along the centre line of Navy street to Johnson street, thence along the centre line of Johnson street to Hudson avenue, and thence along the centre line of Hudson avenue to the point of beginning, of the Borough of Brooklyn.

Court House, northwest corner State and Court streets. Parts 1. and 11.

Eugene Conran, Justice. Edward Moran, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Telephone, 7091 Main.

Second District—Seventh Ward and that portion of the Twenty-first and Twenty-third Wards west of the centre line of Stuyvesant avenue and the centre line of Schenectady avenue, also that portion of the Twentieth Ward beginning at the intersection of the centre lines of North Portland and Myrtle avenues, thence along the centre line of Myrtle avenue to Waverly avenue, thence along the centre line of Waverly avenue to Park avenue, thence along the centre line of Park avenue to Washington avenue, thence along the centre line of Washington avenue to Flushing avenue, thence along the centre line of Flushing avenue to North Portland avenue, and thence along the centre line of North Portland avenue to the point of beginning.

Court room. No. 495 Gates avenue.

John R. Farrar, George Freifield, Justices. Franklin B. Van Wart, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m. Sundays and legal holidays excepted. Saturdays 8.45 a. m. to 12 m.

Telephone, 504 Bedford.

Third District—Embraces the Thirteenth, Fourteenth, Fifteenth, Sixteenth, Seventeenth, Eighteenth and Nineteenth Wards, and that portion of the Twenty-seventh Ward lying northwest of the centre line of Starr street between the boundary line of Queens County and the centre line of Central avenue, and northwest to the centre line of Suydam street between the centre lines of Central and Bushwick avenues, and northwest of the centre line of Willoughby avenue between the centre lines of Bushwick avenue and Broadway.

Court House, Nos. 6 and 8 Lee avenue, Brooklyn.

Philip D. Meagher and William J. Bogenshutz, Justices. John W. Carpenter, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Court opens at 9 a. m.

Telephone, 995 Williamsburg.

Fourth District—Embraces the Twenty-fourth and Twenty-fifth Wards, that portion of the Twenty-first and Twenty-third Wards lying east of the centre line of Stuyvesant avenue and east of the centre line of Schenectady avenue, and that portion of the Twenty-seventh Ward lying southeast of the centre line of Starr street between the boundary line of Queens and the centre line of Central avenue and southeast of the centre line of Suydam street between the centre lines of Central and Bushwick avenues, and southeast of the centre line of Willoughby avenue between the centre lines of Bushwick avenue and Broadway.

Court room, No. 14 Howard avenue.

Jacob S. Strahl, Justice. Joseph P. McCarthy, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Fifth District—Contains the Eighth, Thirtieth and Thirty-first Wards, and so much of the Twenty-second Ward as lies south of Prospect avenue.

Court House, northwest corner of Fifty-third street and Third avenue (No. 5220 Third avenue).

Cornelius Furgueson, Justice. Jeremiah J. O'Leary, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Telephone, 3907 Sunset.

Sixth District—The Sixth District embraces the Ninth and Twenty-ninth Wards and that portion of the Twenty-second Ward north of the centre line of Prospect avenue; also that portion of the Eleventh and the Twentieth Wards beginning at the intersection of the centre lines of Bridge and Fulton streets; thence along the centre line of Fulton street to Flatbush avenue; thence along the centre line of Flatbush avenue to Atlantic avenue; thence along the centre line of Atlantic avenue to Washington avenue; thence along the centre line of Washington avenue to Park avenue; thence along the centre line of Park avenue to Waverly avenue; thence along the centre line of Waverly avenue to Myrtle avenue; thence along the centre line of Mrytle avenue to Hudson avenue; thence along the centre line of Hudson avenue to Johnson street; thence along the centre line of Johnson street to Bridge street, and thence along the centre line of Bridge street to the point of beginning.

Lucien S. Bayliss and Stephen Callaghan, Justices. William R. Fagan, Clerk.

Court House, No. 236 Duffield street.

Telephone, 6166-J Main.

Seventh District—The Seventh District embraces the Twenty-sixth, Twenty-eighth and Thirty-second Wards.

Alexander S. Rosenthal and Edward A. Richards, Justices. James P. Sinnott, Clerk.

Court House, corner Pennsylvania avenue and Fulton street (No. 31 Pennsylvania avenue).

Clerk's Office open from 8.45 a. m. to 4 p. m. Saturdays, 9 a. m. to 12 m. Trial days, Tuesdays, Wednesdays, Thursdays and Fridays. During July and August, 8.45 a. m. to 2 p. m.

Telephone, 904 and 905 East New York.

BOROUGH OF QUEENS.

First District—Embraces the territory bounded by and within the canal, Rapelye avenue, Jackson avenue, Old Bowery Bay road, Bowery Bay, East River and Newtown Creek. Court room, St. Mary's Lyceum, Nos. 115 and 117 Fifth street, Long Island City.

Clerk's Office open from 9 a. m. to 4 p. m. each day, excepting Saturdays, closing at 12 m. Trial days, Mondays, Wednesdays and Fridays. All other business transacted on Tuesdays and Thursdays.

Thomas C. Kadien, Justice. John F. Cassidy, Clerk.

Telephone, 1420 Hunters Point.

Second District—Embraces the territory bounded by and within Maspeth avenue, Maurice avenue, Calamus road, Long Island Railroad, Trotting Course lane, Metropolitan avenue, boundary line between the Second and Fourth Wards, boundary line between the Second and Third Wards, Flushing Creek, Ireland Mill road, Lawrence avenue, Bradford avenue, Main street, Lincoln street, Union street, Broadway, Parsons avenue, Lincoln street, Percy street, Sanford avenue, Murray lane, Bayside avenue, Little Bayside road, Little Neck bay, boundary line between Queens and Nassau counties, Rockaway road, Morris avenue, Atlantic avenue, Shaw avenue, Jamaica avenue and Vandeveer avenue.

Court House, Town Hall, northeast corner of Fulton street and Flushing avenue, Jamaica.

James F. McLaughlin, Justice. George W. Damon, Clerk.

Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Court held on Mondays, Wednesdays and Fridays at 9 a. m.

Telephone, 1654 Jamaica.

BOROUGH OF RICHMOND.

First District—First and Third Wards (Towns of Castleton and Northfield). Court room, former Village Hall, Lafayette avenue and Second street, New Brighton.

Thomas C. Brown, Justice. Thomas E. Cremins, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m.

Telephone, 503 Tompkinsville.

Second District—Second, Fourth and Fifth Wards (Towns of Middletown, Southfield and Westfield). Court room, former Edgewater Village Hall, Stapleton.

Arnold J. B. Wedemeyer, Justice. William Wedemeyer, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m.

Court opens at 9 a. m. Calendar called at 9 a. m. Court continued until close of business. Trial days, Mondays, Wednesdays and Fridays.

Telephone, 313 Tompkinsville.

BOARD MEETINGS.

Board of Aldermen.

The Board of Aldermen meets in the Aldermanic Chamber, City Hall, every Tuesday, at 1.30 o'clock p. m.

P. J. SCULLY, City Clerk and Clerk to the Board of Aldermen.

Board of Estimate and Apportionment.

The Board of Estimate and Apportionment meets in the Old Council Chamber (Room 16), City Hall, every Thursday, at 10.30 o'clock a. m.

JOSEPH HAAG, Secretary.

Commissioners of Sinking Fund.

The Commissioners of the Sinking Fund meet in the Meeting Room (Room 16), City Hall, on Wednesdays, at 11 a. m., at call of the Mayor.

JOHN KORB, JR., Secretary.

Board of Revision of Assessments.

The Board of Revision of Assessments meets in the Meeting Room (Room 16), City Hall, every Friday, at 11 a. m., upon notice of the Chief Clerk.

JOHN KORB, JR., Chief Clerk.

Board of City Record.

The Board of City Record meets in the City Hall at call of the Mayor.

DAVID FERGUSON, Supervisor, Secretary.

BOROUGH OF THE BRONX.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF THE BRONX, MUNICIPAL BUILDING, CROTONA PARK, 177TH ST. AND 3D AVE.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of The Bronx, at the above office, until 10.30 a. m., on

FRIDAY, FEBRUARY 9, 1912,

FOR FURNISHING AND DELIVERING FORAGE TO THE BUREAU OF HIGHWAYS.

The time allowed for the delivery of the supplies and the performance of the contract will be as directed during the year 1912.

The amount of security required will be Two Thousand Dollars.

Blank forms can be obtained upon application therefor, and the specifications may be seen and other information obtained at said office.

CYRUS C. MILLER, President.

j30,f9

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, January 18, 1912.

AT A MEETING OF THE MUNICIPAL Civil Service Commission held on January 17, 1912, it was

Resolved, That the classification be and the same hereby is amended by striking from the Exempt Class, under the heading "Bellevue and Allied Hospitals," the line "5 Chaplains," and substituting therefor the following:

8 CHAPLAINS.

ALEXANDER KEOGH, Commissioner.

Attest: F. A. SPENCER, Secretary.

New York, January 24, 1912.

I hereby approve the foregoing amendment.

W. J. GAYNOR, Mayor.

State of New York, Office State Civil Service Commission, Albany, February 3, 1912.

The foregoing resolution of the Municipal Civil Service Commission of The City of New York, having been duly examined, is hereby approved by the State Civil Service Commission.
Attest: JOHN C. BIRDSEYE, Secretary. f8

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, January 10, 1912.
AT A MEETING OF THE MUNICIPAL Civil Service Commission held on January 10, 1912, it was
Resolved, That the classification be and the same hereby is amended by including in the Competitive Class, Part I., Ungraded Positions, Group 3 (Positions of a Special or Miscellaneous Character), the title
ESTIMATOR.
ALEXANDER KEOGH, Commissioner.
Attest: F. A. SPENCER, Secretary.

New York, January 16, 1912.
I hereby approve the foregoing amendment.
W. J. GAYNOR, Mayor.

State of New York, Office State Civil Service Commission, Albany, February 3, 1912.
The foregoing resolution of the Municipal Civil Service Commission of The City of New York, having been duly examined, is hereby approved by the State Civil Service Commission.
Attest: JOHN C. BIRDSEYE, Secretary. f8

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, January 25, 1912.
AT A MEETING OF THE MUNICIPAL Civil Service Commission of New York held January 24, 1912, it was
Resolved, That the classification be and the same hereby is amended by including in Part II of the Labor Class the following:
UPHOLSTERER.
ALEXANDER KEOGH, Commissioner.
Attest: F. A. SPENCER, Secretary.

New York, January 26, 1912.
I hereby approve the foregoing amendment.
W. J. GAYNOR, Mayor.

State of New York, Office State Civil Service Commission, Albany, February 3, 1912.
The foregoing resolution of the Municipal Civil Service Commission of The City of New York, having been duly examined, is hereby approved by the State Civil Service Commission.
Attest: JOHN C. BIRDSEYE, Secretary. f8

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, January 10, 1912.
AT A MEETING OF THE MUNICIPAL Civil Service Commission held on January 10, 1912, it was
Resolved, That the classification be and the same hereby is amended by including in the Exempt Class, under the heading "Department of Water Supply, Gas and Electricity," the following:
SECRETARY TO THE DEPUTY COMMISSIONER, BOROUGH OF BROOKLYN.
ALEXANDER KEOGH, Commissioner.
Attest: F. A. SPENCER, Secretary.

New York, January 16, 1912.
I hereby approve the foregoing amendment.
W. J. GAYNOR,, Mayor.

State of New York, Office State Civil Service Commission, Albany, February 3, 1912.
The foregoing resolution of the Municipal Civil Service Commission of The City of New York, having been duly examined, is hereby approved by the State Civil Service Commission.
Attest: JOHN C. BIRDSEYE, Secretary. f8

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, January 25, 1912.
AT A MEETING OF THE MUNICIPAL Civil Service Commission of New York held January 24, 1912, it was
Resolved, That the classification be and the same hereby is amended by including in the Exempt Class, under the heading "Department of Bridges," the following:
SECRETARY OF THE DEPARTMENT.
ALEXANDER KEOGH, Commissioner.
Attest: F. A. SPENCER, Secretary.

New York, January 26, 1912.
I hereby approve the foregoing amendment.
W. J. GAYNOR, Mayor.

State of New York, Office State Civil Service Commission, Albany, February 3, 1912.
The foregoing resolution of the Municipal Civil Service Commission of The City of New York, having been duly examined, is hereby approved by the State Civil Service Commission
Attest: JOHN C. BIRDSEYE, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, February 1, 1912.
PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from
Thursday, February 1, to 4 p m., Friday, February 16, 1912,
for the position of
ESTIMATOR.
No application delivered at the office of the Commission, by mail or otherwise, after 4 p. m., February 16, will be accepted.
The examination will be held on MONDAY, MARCH 11, 1912, at 10 a. m.
The subjects and weights of the examination are as follows: Duties, 5; experience, 5. The percentage required on each subject is 70.
Candidates should have had two years' experience in an architect's, engineer's or contractor's office as computer. A thorough familiarity with the units of measure of the various building materials and with the methods of estimating the amounts from construction drawings is an essential. Appointees will be required to make estimates of water consumption during erection or while repairs are in progress from plans, and to read water meters
Vacancies exist in the Department of Water Supply, Gas and Electricity, the office of the President of the Borough of Queens and the Bureau of Buildings, The Bronx.
Salary, $1,200 per annum. Minimum age, 21 years.
FRANK A. SPENCER, Secretary.
f1,16

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, JANUARY 2, 1912.
PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from
TUESDAY, JANUARY 2, TO 4 P. M., THURSDAY, FEBRUARY 15, 1912.
for the position of
PATROLMAN, POLICE DEPARTMENT.
The subjects and weights are as follows: Physical development and strength, 50; Mental test, 50.
The subjects and weights of the Mental test are as follows: Memory test, 3; Arithmetic, 2; Government and elementary duties, 5.
Seventy per cent. will be required on the mental examination.
Seventy per cent. will be required on physical development.
Seventy per cent. will be required on strength.
Seventy per cent. will be required on all.

APPLICATIONS WILL NOT BE RECEIVED FROM PERSONS WHO ARE LESS THAN TWENTY-ONE (21) YEARS OF AGE ON THE DAY OF FILING, OR WHO ARE MORE THAN THIRTY (30) YEARS OF AGE.

Applicants will be required to submit with their applications a transcript of the records of the Bureau of Vital Statistics, showing the date of birth, or, in lieu thereof, an authenticated transcript from the records of the church in which they were baptized, or other satisfactory proof.
All foreign-born applicants will be required to submit evidence of citizenship; naturalization papers should be attached to application.
Applicants will be duly notified of the dates of the physical and mental examinations.
The requirement that every application shall bear the certificates of four reputable citizens whose residences or places of business are within The City of New York, is waived for applicants for this examination whose previous occupation or employment has been wholly or in part outside The City of New York, and the said certificates will be accepted from persons resident or engaged in business elsewhere.
Application blanks may be obtained at 299 Broadway, Room 1119.
FRANK A. SPENCER, Secretary.
j2,f15

FIRE DEPARTMENT.

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, 157 AND 159 E. 67TH ST., BOROUGH OF MANHATTAN, NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on
TUESDAY, FEBRUARY 20, 1912,
Borough of Brooklyn,
No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE ERECTION AND COMPLETION OF BUILDING FOR AN ENGINE AND A HOOK AND LADDER COMPANY ON THE SOUTHWEST CORNER OF SMITH AND LORRAINE STS., BOROUGH OF BROOKLYN.
The time for the completion of the work and the full performance of the contract is one hundred and fifty (150) days.
The amount of security required is fifty per cent (50%) of the amount of the bid or estimate.
Bids will be compared and the contract awarded at a lump or aggregate sum.
Blank forms and further information may be obtained and the plans and drawings may be seen at the office of Hoppin & Koen, architects, 244 5th ave., Manhattan, or at the office of the Fire Department, 157 and 159 E. 67th st., Manhattan.
JOSEPH JOHNSON, Fire Commissioner.
f7,20
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, 157 AND 159 E. 67TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on
MONDAY, FEBRUARY 19, 1912,
No. 1. FOR FURNISHING AND DELIVERING SEVENTEEN HUNDRED (1,700) KEYLESS DOORS AND TWO HUNDRED AND FIFTY (250) FIRE ALARM BOX SHELLS.
The time for the delivery of the articles, materials and supplies and the performance of the contract is two hundred and ten (210) days.
The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.
The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extension must be made and footed up, as the bids will be read from the total for each item and awards made to the lowest bidder on each item.
Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.
Blank forms and further information may be obtained and the samples may be seen at the office of the Fire Department, 157 and 159 E. 67th st., Manhattan.
JOSEPH JOHNSON, Fire Commissioner.
f6,19
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, 157 AND 159 E. 67TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on
MONDAY, FEBRUARY 19, 1912,
Borough of Brooklyn,
No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REPAIRS TO QUARTERS OF ENGINE COMPANY 149, RODGERS AVE., NEAR MIDWOOD ST., BROOKLYN.
The time for the completion of the work and the full performance of the contract is forty (40) working days.
The amount of security required is One Thousand Dollars ($1,000). Bids will be compared and the contract awarded at a lump or aggregate sum.
Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Fire Department, 157 and 159 E. 67th st., Manhattan.
JOSEPH JOHNSON, Fire Commissioner.
f6,19
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, 157 AND 159 E. 67TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on
MONDAY, FEBRUARY 19, 1912,
Borough of Manhattan,
No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REPAIRS TO THE QUARTERS OF ENGINE COMPANY 57, LOCATED AT BATTERY PARK.
The time for the completion of the work and the full performance of the contract is thirty (30) working days.
The amount of security required is Seven Hundred Dollars ($700). Bids will be compared and the contract awarded at a lump or aggregate sum.
Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Fire Department, 157 and 159 E. 67th st., Manhattan.
JOSEPH JOHNSON, Fire Commissioner.
f6,19
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, 157 AND 159 E. 67TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on
FRIDAY, FEBRUARY 16, 1912,
Borough of Brooklyn,
No. 1. FOF FURNISHING AND DELIVERING EIGHT HUNDRED (800) TONS OF ANTHRACITE COAL FOR COMPANIES.
The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before May 1, 1912.
The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.
The bidder will state the price of each item or article contained in the specifications, per ton, or other unit of measure, by which the bids will be tested. The extension must be made and footed up, as the bids will be read from the total. The bids will be compared and the contract awarded at a lump or aggregate sum.
Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.
Blank forms and further information may be obtained at the office of the Fire Department, 157 and 159 E. 67th st., Manhattan.
JOSEPH JOHNSON, Fire Commissioner.
f3,16
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK, OFFICE OF THE PROPERTY CLERK, February 3, 1912.
PUBLIC NOTICE IS HEREBY GIVEN THAT the 135th Public Auction Sale, Unclaimed Property, consisting of Suit Cases, Trunks, Clothing, Boots, Shoes, Furs, Hats, Umbrellas, Canes, Pocketbooks, Furniture, Household Goods, Jewelry, Silverware, Clocks, Cameras, Baby Carriages, Books, Auto Tires, Inner Auto Tubes, Auto Lamps, Bicycles, Push Carts, Baseball Gloves, Balls and Bats, Whips, Knives, Razors, Locks, Keys, Tools, Junk Brass, Copper and Iron, Rags, Paper and Miscellaneous Articles, will be held at the Property Clerk's Office, 240 Centre st., Manhattan, on
WEDNESDAY, FEBRUARY 21, 1912,
at 10 a. m.
R. WALDO, Police Commissioner.
f8,21

POLICE DEPARTMENT—CITY OF NEW YORK.
OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York, No. 300 Mulberry street, Room No. 9, for the following property now in custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.
R. WALDO, Police Commissioner.

POLICE DEPARTMENT OF CITY OF NEW YORK, BOROUGH OF BROOKLYN.
OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York—Office, No. 269 State street, Borough of Brooklyn—for the following property, now in custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.
R. WALDO, Police Commissioner.

DEPARTMENT OF BRIDGES.

DEPARTMENT OF BRIDGES, 13-21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at the above office until 2 o'clock p. m. on
THURSDAY, FEBRUARY 15, 1912,
FOR FURNISHING AND DELIVERING WHITE LEAD FOR THE MANHATTAN BRIDGE.
The time for the delivery of the materials and for the performance of the contract will be 120 calendar days after the receipt by the contractor of a written order to deliver the materials, from the Commissioner of Bridges.
The amount of security to guarantee the faithful performance of the work will be Three Thousand Dollars ($3,000).
The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.
Blank forms and specifications may be obtained at the office of the Department of Bridges.
ARTHUR J. O'KEEFFE, Commissioner.
Dated January 30, 1912. f2,15
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES, 13-21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at the above office until 2 o'clock p. m. on
THURSDAY, FEBRUARY 15, 1912,
FOR FURNISHING AND DELIVERING WHITE LEAD AND RED LEAD TO THE QUEENSBORO BRIDGE.
The time for the delivery of the materials and for the performance of the contract will be 240 calendar days after the receipt by the contractor of a written order to deliver the materials, from the Commissioner of Bridges.
The amount of security to guarantee the faithful performance of the work will be Five Thousand Five Hundred Dollars ($5,500).
The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.
Blank forms and specifications may be obtained at the office of the Department of Bridges.
ARTHUR J. O'KEEFFE, Commissioner.
Dated January 30, 1912. f2,15
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES, 13-21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at the above office until 2 o'clock p. m. on
THURSDAY, FEBRUARY 15, 1912,
FOR FURNISHING AND DELIVERING LINSEED OIL TO THE QUEENSBORO BRIDGE.
The time for the delivery of the materials and for the performance of the contract will be 120 calendar days after the receipt by the contractor of a written order to deliver the materials, from the Commissioner of Bridges.
The amount of security to guarantee the faithful performance of the work will be Two Thousand Dollars ($2,000).
The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.
Blank forms and specifications may be obtained at the office of the Department of Bridges.
ARTHUR J. O'KEEFFE, Commissioner.
Dated January 30, 1912. f2,15
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF HEALTH.

AT A MEETING OF THE BOARD OF Health of the Department of Health, held January 30, 1912, the following resolution was adopted:
Resolved, That section 189 of the Sanitary Code be and the same is hereby amended so as to read as follows:
Section 189. The use of a common drinking cup or receptacle for drinking water in any public place, park, street or avenue, public institution; or in any hotel, theatre, factory, school, public hall or in any railroad car or ferry boat, or in any railway station or ferry house, or the furnishing of any such common drinking cup or receptacle for use in any such place, is hereby prohibited.
The term "public place" as used herein shall be construed to include:
(a) Any place where goods, wares or merchandise are sold or offered for sale;
(b) Any department, bureau, building or office of a municipal corporation.
The term "factory" as used herein shall be construed to include any workshop or manufacturing or business establishment, where persons are employed at labor.
A true copy.
EUGENE W. SCHEFFER, Secretary. f3,10

DEPARTMENT OF PARKS.

OFFICE OF DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE., AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on
THURSDAY, FEBRUARY 15, 1912,
Borough of The Bronx,
FOR FURNISHING AND DELIVERING PAINTERS' SUPPLIES, 1912, FOR PARKS, BOROUGH OF THE BRONX.
The time for the delivery and the full performance of the contract is thirty (30) days. The amount of security required is Eight Hundred Dollars ($800).
The bids will be compared and the contract awarded at a lump or aggregate sum.
Submit bid in duplicate.
Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, The Bronx.
CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.
f3,15
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on
THURSDAY, FEBRUARY 15, 1912,
Borough of Brooklyn,
FOR ALL LABOR AND MATERIALS REQUIRED FOR THE ERECTION AND COMPLETION OF THE BRONZE WORK AT THE MAIN ENTRANCE OF THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES, BOROUGH OF BROOKLYN.
The time allowed for the completion of this contract will be 120 days.
The amount of the security required is Three Thousand Five Hundred Dollars ($3,500).
Bids will be compared and the contract awarded at a lump or aggregate sum.
Blank forms and further information may be obtained at the office of McKim, Mead & White, 160 5th ave., Borough of Manhattan, The City of New York, where plans and specifications may be seen.
CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.
f2,15
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on
THURSDAY, FEBRUARY 15, 1912,
Borough of Brooklyn,
FOR ALL LABOR AND MATERIALS REQUIRED FOR INSTALLING COMPLETE WATCHMAN'S NIGHT LIGHTING SYSTEM, OUTSIDE WIRING, INCLUDING THE INSTALLATION OF ENGINE, PIPING, FOUNDATION, DYNAMO, DYNAMO LEADS, SWITCHBOARD, WIRING, PANEL BOARDS, FIXTURES, ETC., FOR THE CENTRAL MUSEUM OF THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES, BOROUGH OF BROOKLYN.
The time allowed for the completion of this contract will be 120 days.
The amount of the security required is Two Thousand Six Hundred Dollars ($2,600).
Bids will be compared and the contract awarded at a lump or aggregate sum.
Blank forms may be obtained at the office of the Department of Parks, Borough of Brooklyn, Litchfield Mansion, Prospect Park West and 5th st., Prospect Park, Brooklyn.
CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.
f2,15
☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on
THURSDAY, FEBRUARY 15, 1912,

Borough of Brooklyn,

FOR REPAIRS TO SIX (6) STEAM ROLLERS.

The time allowed for the completion of this contract will be until April 10, 1912.

The amount of the security required is Five Hundred Dollars ($500).

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Borough of Brooklyn, Litchfield Mansion, Prospect Park West and 5th st., Prospect Park, Brooklyn.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

f2,15

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m., on

THURSDAY, FEBRUARY 15, 1912,

Borough of Manhattan,

FOR FURNISHING AND DELIVERING ROAD GRAVEL FOR PARKS AND PARKWAYS IN MANHATTAN.

The time allowed for the completion of this contract will be as required before November 1, 1912.

The amount of security required is Ten Thousand Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, 64th st. and 5th ave., Borough of Manhattan, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

f2,15

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m., on

THURSDAY, FEBRUARY 15, 1912,

Borough of Manhattan,

FOR FURNISHING AND DELIVERING 100,000 GALLONS MACADAM ASPHALT BINDER FOR USE ON PARKS AND PARKWAYS.

The time allowed for the completion of this contract will be as required within ninety days.

The amount of security required is Three Thousand Dollars.

Bids must be submitted in duplicate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Borough of Manhattan, Arsenal, Central Park, 64th st. and 5th ave., New York.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

f2,15

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m., on

THURSDAY, FEBRUARY 15, 1912,

Borough of Manhattan,

FOR FURNISHING AND DELIVERING 300,000 SQUARE FEET OF GRASS SOD, WHERE REQUIRED ON PARKS AND PARKWAYS.

The time allowed for the completion of this contract will be as required during year 1912.

The amount of security required is Two Thousand Dollars.

Bids must be submitted in duplicate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Boroughs of Manhattan and Richmond, Arsenal, Central Park, 64th st. and 5th ave., Borough of Manhattan.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

f2,15

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, FEBRUARY 15, 1912,

Borough of Manhattan,

FOR FURNISHING AND DELIVERING 1,200 CUBIC YARDS OF COW BAY SAND.

The time allowed for the completion of this contract will be as required before July 1, 1912.

The amount of security required is Five Hundred Dollars ($500).

Bids will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Boroughs of Manhattan and Richmond, Arsenal, Central Park, 64th st. and 5th ave., Borough of Manhattan.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

f2,15

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, FEBRUARY 15, 1912,

Borough of The Bronx,

FOR FURNISHING AND DELIVERING HARDWARE, 1912, FOR PARKS, BOROUGH OF THE BRONX.

The time allowed for the completion of this contract will be thirty (30) days. The amount of security required is Eight Hundred Dollars ($800).

Bids will be compared and the contract awarded at a lump or aggregate sum.

Submit bids in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, The Bronx.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

f2,15

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m., on

THURSDAY, FEBRUARY 8, 1912,

Borough of Manhattan,

FOR FURNISHING AND DELIVERING LUMBER FOR THE AMERICAN MUSEUM OF NATURAL HISTORY.

The time allowed for the completion of this contract will be Sixty Days.

The amount of security required is Two Thousand Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, 64th st. and 5th ave., Borough of Manhattan, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY WALTER G. ELIOT, Commissioners of Parks.

j27,f8

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m., on

THURSDAY, FEBRUARY 8, 1912,

Borough of Manhattan,

FOR FURNISHING AND DELIVERING PAINTS.

The time allowed for the completion of this contract will be as required before December 31, 1912.

The amount of security required is One Thousand Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, 64th st. and 5th ave., Borough of Manhattan, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

j27,f8

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m., on

THURSDAY, FEBRUARY 8, 1912,

Borough of Manhattan,

FOR FURNISHING AND DELIVERING LUMBER.

The time allowed for the completion of this contract will be as required before July 1, 1912.

The amount of security required is Four Thousand Two Hundred Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, 64th st. and 5th ave., Borough of Manhattan, New York City.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

j27,f8

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, FEBRUARY 8, 1912,

Borough of The Bronx,

FOR FURNISHING AND DELIVERING ONE (1) STEAM HEATING BOILER FOR WORKSHOPS IN BRONX PARK, BOROUGH OF THE BRONX.

The time allowed for the completion of this contract will be thirty (30) days. The amount of the security required is Three Hundred Dollars ($300).

Bids will be compared and the contract awarded at a lump or aggregate sum.

Submit bid in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, Borough of The Bronx.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

j27,f8

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m., on

THURSDAY, FEBRUARY 8, 1912,

Borough of The Bronx,

FOR REPAIRS AND KEEPING IN REPAIR DURING THE SEASON OF 1912 THE MOTOR, HORSE AND HAND LAWN MOWERS OF THE DEPARTMENT OF PARKS, BOROUGH OF THE BRONX.

The amount of security required is One Thousand Dollars ($1,000).

The time allowed to complete the whole work will be before November 1, 1912.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, The Bronx.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

j27,f8

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m., on

THURSDAY, FEBRUARY 8, 1912,

Borough of The Bronx,

FOR FURNISHING AND DELIVERING ONE (1) MOTOR LAWN MOWER FOR THE DEPARTMENT OF PARKS, BOROUGH OF THE BRONX.

Bids must be submitted in duplicate.

The time allowed for the completion of this contract will be before May 1, 1912.

The amount of the security required is One Thousand Dollars ($1,000).

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, The Bronx.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

j27,f8

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, FEBRUARY 8, 1912,

Borough of The Bronx,

FOR FURNISHING AND DELIVERING PLUMBERS' SUPPLIES, 1912, FOR PARKS, BOROUGH OF THE BRONX.

The time allowed for the completion of the whole work will be thirty (30) days. The amount of security required is Twelve Hundred Dollars ($1,200).

Submit bids in duplicate.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, The Bronx.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

j27,f8

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF FINANCE.

Interest on City Bonds and Stocks.

INTEREST ON CITY BONDS AND STOCK.

THE INTEREST DUE ON MARCH 1, 1912, on Registered Bonds and Stock of The City of New York, and of former corporations now included therein, will be paid on that day by the Comptroller at his office (Room 85) in the Stewart Building, corner of Broadway and Chambers st., in the Borough of Manhattan.

The Coupons that are payable in New York, London or Paris for the interest due March 1, 1912, on Corporate Stock of The City of New York will be paid on that day, at the option of the holders thereof, at the office of the Guaranty Trust Co., 28 and 30 Nassau st., New York City, or at the office of Messrs. Seligman Bros., 18 Austin Friars, London, E. C., England.

The Coupons that are payable on March 1, 1912, for interest on bonds of former corporations now included in The City of New York will be paid on that day at the office of the said Guaranty Trust Co.

The books for the transfer of bonds and stock on which interest is payable on March 1, 1912, will be closed from February 15 to March 1, 1912.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, February 1, 1912. f1,m1

Sureties on Contracts.

UNTIL FURTHER NOTICE SURETY COMPANIES will be accepted as sufficient upon the following contracts to the amounts named:

Supplies of Any Description, Including Gas and Electricity.

One company on a bond up to $50,000.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated September 16, 1907.

Construction.

One company on a bond up to $25,000.

Including regulating, grading, paving, sewers, maintenance, dredging, construction of parks, parkways, docks, buildings, bridges, tunnels, aqueducts, repairs, heating, ventilating, plumbing, etc., etc.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated September 16, 1907.

Asphalt, Asphalt Block and Wood Block Pavements.

Two companies will be required on any and every bond up to amount authorized by letter of Comptroller to the surety companies, dated September 16, 1907.

Dated January 3, 1910.

WILLIAM A. PRENDERGAST, Comptroller.

Notices of Sale.

NOTICE OF CONTINUATION OF THE BRONX TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of The Bronx, as to liens remaining unsold at the termination of sales of February 6, 20, March 6, April 10, May 1, 15, 29, June 19, July 10, September 11, November 13, 27, December 11, 1911, and January 15, 1912, has been continued to

MONDAY, FEBRUARY 19, 1912,

at 10 o'clock a. m., pursuant to section 1028 of the Greater New York Charter, and will be continued at that time in the Coroner's Court Room, Bronx Building, 531 Tremont ave., in the Borough of The Bronx, in The City of New York.

DANIEL MOYNAHAN, Collector of Assessments and Arrears.

Dated January 15, 1912. j16,f19

NOTICE OF CONTINUATION OF QUEENS TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of Queens, Fifth Ward, as to liens remaining unsold at the termination of sales of November 21, December 12, 1911, and January 16, 1912, has been continued to

TUESDAY, FEBRUARY 20, 1912,

at 2 o'clock p. m., pursuant to section 1028 of the Greater New York Charter, and will be continued at that time in the Arrears office, third floor, Municipal Building, Court House Square, Long Island City, in the Borough of Queens, City of New York.

DANIEL MOYNAHAN, Collector of Assessments and Arrears.

Dated January 6, 1912. j17,f20

Corporation Sales.

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE BOARD OF Education, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain buildings standing upon property owned by The City of New York, acquired by it for school site purposes in the

Borough of Brooklyn,

Being all the buildings, parts of buildings, etc., standing on the plot of ground, 200 feet by 140 feet, on the northerly side of Blake ave., the easterly side of Hopkinson ave. and the westerly side of Bristol st., in the Borough of Brooklyn, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, 280 Broadway, Borough of Manhattan.

Pursuant to a resolution adopted by the Commissioners of the Sinking Fund, at a meeting held January 10, 1912, the sale by sealed bids of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

FRIDAY, FEBRUARY 9, 1912,

at 11 a. m., in lots and parcels and in manner and form as follows:

Parcel No. 1. Two three-story frame buildings known as 597 and 599 Hopkinson ave.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, No. 280 Broadway, Borough of Manhattan, until 11 a. m. on the 9th day of February, 1912, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of $50 will be required with all bids, and that a deposit of $500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened February 9, 1912," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, No. 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, February 2, 1912. f5,9

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes, in the

Borough of The Bronx,

Being the buildings, parts of buildings, etc., standing within the lines of W. 174th st., from Aqueduct ave. to Undercliff ave., W. 175th st., from Aqueduct ave. to Undercliff ave., and Montgomery ave., from W. 174th st. to W. 176th st., in the Borough of The Bronx, which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room K, No. 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held January 10, 1912, the sale by sealed bids at the upset or minimum prices named in the description of each parcel of the above buildings and appurtenances thereto will be held by direction of the Comptroller on

THURSDAY, FEBRUARY 8, 1912,

at 11 a. m., in lots and parcels and in manner and form and at upset prices as follows:

Parcel No. 1. Part of two story and basement stone stable at W. 174th st. and Aqueduct ave. Cut 47 feet on west side by 15.9 feet, on east side of extension by 53 feet. Also part of two and one-half story frame house on the north side of W. 174th st., near Undercliff ave. Cut 7 feet on west side by 10 feet on east side by 28.5 feet. Upset price, $250.

Parcel Nos. 4 and 20. Part of one story brick hothouse on the northwest corner of W. 175th st. and Montgomery ave. Cut 24.4 feet on south side by 6.2 feet on north side of Montgomery ave. (east) end. Also cut 62.1 feet on south side by 15.4 feet on north side of W. 175th st. (west) end. Upset price, $20.

Parcel No. 19. Part of two story stone house on th east side of Montgomery ave., between W. 174th st. and W. 175th st. Cut 9.2 feet on west side by 0.7 feet on north side. Upset price, $25.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room K, No. 280 Broadway, Borough of Manhattan, until 11 a. m., on the 8th day of February, 1912, and then publicly opened for the sale for removal of the above described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of $50 will be required with all bids, and that a deposit of $500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened February 8, 1912," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room K, No. 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, January 13, 1912. j23,f8

Notice to Property Owners.

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF MANHATTAN:

TWELFTH WARD, SECTION 7.

RIVERSIDE DRIVE—RESTORING ASPHALT PAVEMENT AND RESETTING CURB, at the northeast corner of ONE HUNDRED AND FORTY-NINTH STREET. Area of assessment: Northeast corner of 149th st. and Riverside drive, known as Lot 17, in Block 2096.

The above assessment was certified to the Collector of Assessments and Arrears, under provisions of section 391 of the Greater New York Charter.

—that the same was entered January 30, 1912, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessment and Arrears of Taxes and Assessments of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room H, 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before March 30, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when the above assessments became liens, to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, January 30, 1912. f3,15

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF THE BRONX:

TWENTY-THIRD WARD, SECTION 9.

EAST ONE HUNDRED AND SIXTY-SECOND STREET—PAVING THE ROADWAY AND SETTING CURB, from Morris ave. to Sherman ave. Area of assessment: Both sides of E. 162d st., from Morris ave. to Sherman ave., and to the extent of half the block at the intersecting avenues.

TWENTY-THIRD WARD, SECTION 10.

FOX STREET—PAVING THE ROADWAY, FLAGGING THE SIDEWALKS, SETTING AND RESETTING CURB, from Intervale ave. to Barretto st. Area of assessment: Both sides of Fox st., from Intervale ave. to Barretto st., and to the extent of half the block at the intersecting streets.

SENECA AVENUE — REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES, DRAINS, WALLS, RECEIVING BASINS AND ERECTING FENCES, from Hunts Point ave. to Whittier st. Area of assessment: Both sides of Seneca ave., from Hunts Point ave. to Whittier st., and to the extent of 100 feet on each side of Seneca ave.

EAST ONE HUNDRED AND SIXTY-SECOND STREET—PAVING THE ROADWAY AND SETTING CURB, from Prospect ave. to Stebbins ave. Area of assessment: Both sides of E. 162d st., from Prospect ave. to Stebbins ave., and to the extent of half the block at the intersecting avenues.

TWENTY-FOURTH WARD, SECTION 11.

EASTBURN AVENUE — PAVING THE ROADWAY, SETTING AND RESETTING CURB between 174th and 175th sts. Area of assessment: Both sides of Eastburn ave., from 174th to 175th st., and to the extent of half the block at the intersecting streets.

TRAFALGAR PLACE — REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES, from 175th st. to 176th st. Area of assessment: Both sides of Tratalgar place, from 176th to 176th st., and to the extent of half the block at the intersecting streets.

EAST ONE HUNDRED AND SEVENTY-FIRST STREET—PAVING THE ROADWAY, SETTING AND RESETTING CURB, from Webster ave. to the New York and Harlem Railroad. Area of assessment: Both sides of E. 171st street, from Webster ave. to the New York and Harlem Railroad, and to the extent of 100 feet at the intersecting streets.

EAST ONE HUNDRED AND SEVENTY-EIGHTH STREET—PAVING THE ROADWAY AND SETTING CURB, from 3d ave. to Hughes ave. Area of assessment: Both sides of E. 178th st., from 3d ave. to Hughes ave., and to the extent of half the block at the intersecting streets.

TWENTY-FOURTH WARD, SECTION 13.

WEST TWO HUNDRED AND THIRTY-FOURTH STREET—SEWER, between Broadway and Kingsbridge ave., and KINGSBRIDGE AVENUE—SEWER, between W. 234th st. and W. 232d st. Area of assessment affects Blocks Nos. 3405 and 3406.

—that the same was confirmed by the Board of Revision of Assessments January 30, 1912, and entered January 30, 1912, in the Record of Titles of Assessments, kept in the Bureau for Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act.

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act.

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of 177th st. and 3d ave.. Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before March 30, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, January 30, 1912. f3,15

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice of the confirmation by the Supreme Court, and the entering in the Bureau for the Collection of Assessments and Arrears, of assessment for OPENING AND ACQUIRING TITLE to the following named street in the BOROUGH OF QUEENS:

SECOND WARD.

GREENE (GREENE STREET) AVENUE—OPENING, from Grandview ave. to Forest ave. Confirmed December 30, 1911, entered February 2, 1912. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the point of intersection of a line parallel to and distant 100 feet southerly from the southerly line of Onderdonk ave. with a line parallel to and distant 100 feet westerly from the westerly line of Greene ave.; running thence northerly along said line parallel to Greene ave. and its northerly prolongation to its intersection with a line parallel to and distant 100 feet northeasterly from the northeasterly line of Forest ave.; thence southeasterly along said line parallel to Forest ave. to its intersection with the northerly prolongation of a line parallel to and distant 100 feet easterly from the easterly line of Greene ave.; thence southerly along said prolongation and line parallel to Greene ave. to its intersection with a line parallel to and distant 100 feet southerly from the southerly line of Onderdonk ave.; thence westerly along said line parallel to Onderdonk ave. to the point or place of beginning.

HILL STREET—OPENING, from Railroad ave. to Clermont ave. Confirmed December 26, 1911; entered February 2, 1912. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning on the westerly side or line of Clermont ave., at a point equally distant from the northerly side or line of Herbert st. and the southerly side or line of Hill st.; running thence westerly and at all times parallel with the southerly line of Hill st. to the westerly side or line of Rust st. and the easterly line of the Long Island Railroad; thence northeasterly along the easterly line of the Long Island Railroad to a point where a line parallel and 100 feet north of the northerly line of Hill st. would intersect said railroad line; thence easterly and at all times parallel with and distant 100 feet from the northerly line of Hill st. to the intersection of the southerly line of Maspeth ave.; thence easterly along the southerly line of Maspeth ave. to the westerly line of Clermont ave.; thence southerly along the westerly line of Clermont ave. to the point or place of beginning.

The above-entitled assessments were entered on the day hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, at the Municipal Building, Court House Square, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before April 2, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments become liens, to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, February 2, 1912. f3,15

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF BROOKLYN:

EIGHTH WARD, SECTION 3.

FIFTY-FIRST STREET—PAVING, between 7th and 8th aves. Area of assessment: Both sides of 51st st., from 7th ave. to 8th ave., and to the extent of half the block at the intersecting and terminating streets.

EIGHTH WARD, SECTION 3, AND THIRTIETH WARD, SECTION 17.

FIFTY-FIFTH STREET—PAVING, between 7th ave. and 9th ave. Area of assessments: Both sides of 55th st., from 7th ave. to 9th ave., and to the extent of half the block at the intersecting and terminating avenues.

TWENTY-NINTH WARD, SECTION 16.

AVENUE D—PAVING, between E. 29th st. and Nostrand ave. Area of assessment: Both sides of Avenue D, from E. 29th st. to Nostrand ave., and to the extent of half the block at the intersecting streets.

AVENUE D—PAVING, from Flatbush ave. to Rogers ave. Area of assessment: Both sides of Avenue D, from Flatbush ave. to Rogers ave., and to the extent of half the block at the intersecting streets.

DITMAS AVENUE—SEWER, between West st. and Gravesend ave. Area of assessment: Both sides of Ditmas ave., between West st. and Gravesend ave.

OCEAN AVENUE—SEWER, on easterly side, between Avenue G and the summit northerly therefrom. Area of assessment affects Block No. 5241, Lot 6.

EAST TWENTY-FIRST STREET—SEWER, from Regent place to Beverley road. Area of assessment: Both sides of E. 21st st., from Regent place to Beverley road.

KENMORE PLACE—PAVING, between Avenue G and the end of the macadam pavement 390 feet northerly. Area of assessment: Both sides of Kenmore place, from Avenue G to a point 390 feet northerly and to the extent of half the block at the intersecting streets.

TWENTY-NINTH AND THIRTIETH WARDS, SECTIONS 16 AND 20.

FOSTER AVENUE—SEWER, from Ocean parkway to Coney Island ave. Area of assessment affects Blocks Nos. 5428, 5429, 6494 to 6498, inclusive.

THIRTIETH WARD, SECTION 17.

FORTY-SEVENTH STREET—SEWER, from end of existing sewer west of 15th ave to 17th ave. Area of assessment: Affects Blocks Nos. 5436, 5437, 5442, 5443, 5624 and 5630.

FIFTY-SECOND STREET—PAVING, between Fort Hamilton and 11th aves. Area of assessment: Both sides of 52d street, from Fort Hamilton ave. to 11th ave., and to the extent of half the block at the intersecting avenues.

FIFTY-SECOND STREET—SEWER, between New Utrecht and 13th aves. Area of assessment affects Blocks Nos. 5655 and 5662.

FIFTY-SEVENTH STREET AND THIRTEENTH AVENUE—SEWER BASIN, at the west corner. Area of assessment: Affects Block No. 5697.

FIFTY-SEVENTH STREET—SEWER, between Fort Hamilton and 12th aves. Area of assessment affects Blocks Nos. 5688, 5689, 5695 and 5696.

FIFTY-SEVENTH STREET—SEWER, between New Utrecht and 14th aves. Area of assessment affects Blocks Nos. 5691 and 5698.

FIFTY-SEVENTH STREET—PAVING, between 12th and New Utrecht aves. Area of assessment: Both sides of 57th st., from 12th to New Utrecht ave., and to the extent of half the block at the intersecting avenues.

SIXTY-FIRST STREET—SEWER, between 14th and New Utrecht aves. Area of assessment affects Blocks Nos. 5720 and 5727.

THIRTIETH WARD, SECTION 18.

SEWERS IN SEVENTH AVENUE, west side, between 78th st. and Fort Hamilton ave., and in FORT HAMILTON AVENUE, west side, between 7th ave. and 79th st. Area of assessment affects Block No. 5972.

EIGHTY-SEVENTH STREET—SEWER, from Narrows ave. to Shore road. Area of assessment affects Block No. 6040.

NINETY-FOURTH STREET AND GELSTON AVENUE—SEWER BASIN at the northerly corner. Area of assessment affects Block No. 6109.

THIRTIETH WARD, SECTION 19.

SEWER IN BENSON AVENUE, north side, from Bay 22d st. to Bay 23d st., and SEWER BASINS on BENSON AVENUE, at the east corner of 18th ave., at the north and east corners of Bay 19th st., and at the east and south corners of Bay 20th st., and north and east corners of Bay 22d st. Area of assessment affects Blocks Nos. 6369 to 6373, inclusive, and 6405.

THIRTY-FIRST WARD, SECTION 20.

EAST NINETEENTH STREET—SEWER, between Avenue I and a point about 100 feet south of Avenue K. Area of assessment affects Blocks 6711, 6712, 6720, 6721, 6729 and 6730.

THIRTY-SECOND WARD, SECTION 23.

BROOKLYN AVENUE—PAVING, from Avenue I to Flatbush ave. Area of assessment: Both sides of Brooklyn ave., from Avenue I to Flatbush ave., and to the extent of half the block at the intersecting and terminating avenues.

NOSTRAND AVENUE—REGULATING, GRADING, PAVING, CURBING AND FLAGGING, from Flatbush ave. to the bridge across Long Island Railroad. Area of assessment: Both sides of Nostrand ave., from Flatbush ave. to bridge across Long Island Railroad, and to the extent of half the block at the intersecting streets.

SEWER IN EAST THIRTY-NINTH STREET, from Long Island Railroad (between Avenues H and I) to Hubbard place, and in HUBBARD PLACE, and ALTON PLACE, from Flatbush ave. to E. 40th st. Area of assessment affects Blocks Nos. 7742, 7743, 7764, 7765, 7786, 7787, 7808, 7809, 7811, 7812 and 7813.

—that the same were confirmed by the Board of Assessors on January 30, 1912, and entered January 30, 1912, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Mechanics Bank Building, Court and Montague sts., Borough of Brooklyn, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before March 30, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when such assessments became liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, January 30, 1912. f3,15

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF BROOKLYN:

TWENTY-NINTH WARD, SECTION 15.

EAST THIRTY-SECOND STREET—REGULATING, GRADING, CURBING AND FLAGGING from Farragut road northerly to the line of the Water Works. Area of assessment: Both sides of E. 32d st., from Farragut road to the Flatbush Water Works, and to the extent of half the block at the intersecting streets.

TWENTY-NINTH WARD, SECTION 16.

EAST TWENTY-EIGHTH STREET—REGULATING, GRADING, CURBING AND FLAGGING, between Foster ave. and Flatbush ave. Area of assessment: Both sides of E. 28th st., from Foster to Flatbush ave., and to the extent of half the block at the intersecting streets.

TWENTY-NINTH WARD, SECTION 16, AND THIRTIETH WARD, SECTION 17.

GRAVESEND AVENUE—PAVING, between Avenue C and Foster ave. Area of assessment: Both sides of Gravesend ave., from Avenue C to Foster ave., and to the extent of half the block at the intersecting streets and avenues.

THIRTIETH WARD, SECTIONS 18 AND 19.

CONSTRUCTING SEWERS IN EIGHTY-SIXTH STREET, both sides, from Fort Hamilton ave. to 7th ave.; on the south side, from 14th to 15th ave.; on the north side, from 18th

ave. to sewer summit about 500 feet west of 19th ave.; north side, reconnection across 19th ave.; in the south side, from 18th ave. to 21st ave., and SEWER BASINS in EIGHTY-SIXTH STREET, at the north, east and west corners of 14th ave.; at the south corner of 15th ave.; at the south and west corners of Bay 10th st.; at the west corner of Bay 11th st.; at the north and east corners of 19th ave.; at the north corner of 20th ave.; on the north side of EIGHTY-SIXTH STREET opposite Bay 8th st.; on the north side of EIGHTY-SIXTH STREET opposite Bay 10th st.; on the north side of EIGHTY-SIXTH STREET opposite Bay 19th st., and on the north side of EIGHTY-SIXTH STREET opposite Bay 22d st., and OUTLET SEWERS in GATLING PLACE, from 86th st. to 92d st.; in DAHLGREN PLACE, from 86th st. to 88th st., and in BATTERY AVENUE, from 86th to 88th st. Area of assessment affects Blocks Nos. 6037, 6053 to 6056, inclusive, 6069, 6070, 6090, 6091, 6339 to 6341, inclusive, 6344 and 6345, 6356 to 6361, inclusive, 6369 to 6377, inclusive.

—that the same were confirmed by the Board of Revision of Assessments on January 26, 1912, and entered January 26, 1912, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Mechanics Bank Building, Court and Montague sts., Borough of Brooklyn, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before March 26, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when such assessments became liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.
City of New York, Department of Finance, Comptroller's Office, January 26, 1912. j30,f9

DEPARTMENT OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

TUESDAY, FEBRUARY 13, 1912,

FOR FURNISHING AND DELIVERING LUMBER.

The time for the performance of the contract is during the year 1912. The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per foot or other unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each class, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner.
The City of New York, January 31, 1912.
j31,f13

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

TUESDAY, FEBRUARY 13, 1912,

FOR FURNISHING AND DELIVERING UNIFORMS.

The time for the performance of the contract is during the year 1912. The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per unit suit or other unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each class, line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner.
The City of New York, January 31, 1912.
j31,f13

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

CHANGE OF GRADE DAMAGE COMMISSION,

TWENTY-THIRD AND TWENTY-FOURTH WARDS.

PURSUANT TO THE PROVISIONS OF chapter 537 of the Laws of 1893 and the acts amendatory thereof and supplemental thereto, notice is hereby given that meetings of the Commissioners appointed under said acts will be held at the office of the Commission, Room 223, 280 Broadway (Stewart Building), Borough of Manhattan, New York City, on Mondays, Tuesdays and Thursdays of each week, at 2 o'clock p. m., until further notice.

Dated New York City, July 26, 1911.

WILLIAM D. DICKEY, CAMBRIDGE LIVINGSTON, DAVID ROBINSON, Commissioners.

LAMONT MCLAUGHLIN, Clerk.

BOROUGH OF MANHATTAN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, until 2 o'clock p. m., on

FRIDAY, FEBRUARY 16, 1912,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING RECEIVING BASIN ON THE NORTHWEST CORNER OF 166TH ST. AND ST. NICHOLAS AVE.

The Engineer's estimate of the quantity and quality of the materials and the nature and extent as near as possible of the work required, is as follows:

One receiving basin (with bluestone head).
93 linear feet of 12-inch pipe culvert.
20 cubic yards of rock to be excavated and removed.

The time allowance to complete the whole work is twenty (20) days.

The amount of security required will be Two Hundred and Fifty Dollars ($250).

The bidder will state the price of each item in the specifications or schedules herein contained or hereto annexed per foot, yard or other unit of measure, or article by which the bids will be tested. The extensions must be made and footed up.

Blank forms may be had and the plans and drawings may be seen at the office of the Commissioner of Public Works, 13-21 Park row, Bureau of Sewers, Borough of Manhattan.

GEORGE McANENY, President, Borough of Manhattan.
The City of New York, February 5, 1912.
f5,16

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, until 2 o'clock p. m., on

FRIDAY, FEBRUARY 16, 1912,

1. FOR REPAIRING AND MAINTAINING THE ASPHALT PAVEMENT ON THE FOLLOWING STREETS WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK:

45th st., from 6th ave. to 8th ave.; 4th st., from Lewis st. to 2d ave.; 3d st., from Lewis st. to 2d ave.; 6th st., from Ave. D to Lewis st.; 7th st., from Ave. C to Lewis st.; Lewis st., from Houston st. to S.S. of 3d st.; Lewis st., from 75 feet N. of 4th st., to S.S. of 5th st.; Lewis st., from 30 feet N. of 5th st. to 8th st.; Astor pl., from Broadway to 4th ave.; 8th st., from Broadway to 4th ave.; 1st ave., from 59th to 60th st.; 61st to 72d st.; 1st ave., from 74th to 83d st.; 84th to 85th st.; 1st ave., from 86th to 91st st.; 92d to 109th st.; Mercer st., from 4th st. to 8th st.; Washington pl., from Broadway to University pl.

Engineer's Estimate of amount of work to be done:

31,500 square yards of asphalt pavement.
150 square yards of old stone pavement.
20 cubic yards of concrete.

The time for the completion of the work is until all the work provided for in this contract shall have been completed, but not to extend bevond December 31, 1912.

The amount of security required is $10.000.

2. FOR REPAIRING AND MAINTAINING THE ASPHALT PAVEMENT ON THE FOLLOWING STREETS WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK:

80th st., from Ave. A to 1st ave.; 15th st., from 6th ave. to 10th ave.; 48th st., from 1st ave. to Lexington ave.; 51st st., from 1st ave. to 88 feet 1 inch E. of Park ave.; 54th st., from Lexington ave. to Madison ave.; 15th st., from 2d ave. to Irving pl.; Pell st., from Bowery to Mott st.; 61st st., from 1st ave. to Madison ave.; 68th st., from 1st ave. to 3d ave.; 10th st., from Stuyvesant st. to 5th ave.; 46th st., from 1st ave. to 4th ave.

Engineer's Estimate of amount of work to be done:

15,700 square yards of asphalt pavement.
150 square yards of stone pavement.
20 cubic yards of concrete.

The time for the completion of the work is until all the work provided for in this contract shall have been completed, but not to extend bevond December 31, 1912.

The amount of security required is $5,000.

3. FOR REPAIRING AND MAINTAINING THE ASPHALT PAVEMENT ON THE FOLLOWING STREETS WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK:

1st ave., from 60th to 61st st.; 72d to 74th st.; 1st ave., from 83d to 84th st.; 85th to 86th st.; 1st ave., from 91st to 92d st.; Ave. D, from Houston st. to 11th st.; 19th st., from 6th ave. to 7th ave.; 20th st., from 4th ave. to Broadway; 16th st., from 6th ave. to 7th ave.; 18th st., from 6th ave. to 7th ave.

Engineer's Estimate of amount of work to be done:

8,800 square yards of asphalt pavement.
125 square yards of old stone pavement.
34 cubic yards of concrete.

The time allowed for repairing and maintaining the pavement mentioned herein is until April 15, 1913, or until the date when the original guarantees expire.

The amount of security required will be $3,000.

4. FOR MAINTAINING THE ASPHALT PAVEMENT ON BROADWAY, FROM 14TH ST. TO NORTH SIDE OF 23D ST., INCLUDING THE SPACE BETWEEN UNIVERSITY PL., 14TH ST., AND EAST SIDE OF BROADWAY, AND FROM NORTH SIDE OF 25TH ST. TO NORTH SIDE OF 42D ST., WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

Engineer's Estimate of amount of work to be done:

24,000 square yards of asphalt pavement, including binder course.
100 cubic yards of concrete.

The time for the completion of the work is until all the work provided for in this contract shall have been completed, but not to extend bevond December 31, 1912.

The amount of security required is $12,000.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article by which the bids will be tested. The extensions must be made and footed up.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, 13 to 21 Park row, Bureau of Highways, Room 1611, Borough of Manhattan.

GEORGE McANENY, President.
The City of New York, February 5, 1912.
f5,16

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, until 2 o'clock p. m., on

FRIDAY, FEBRUARY 16, 1912,

REPAIRING TOOLS FOR THE BUREAU OF HIGHWAYS, BOROUGH OF MANHATTAN, AS PER QUANTITIES ENUMERATED IN THE CONTRACT.

Time allowed for doing and completing the above work is until December 31, 1912.

Amount of security required is $500.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article by which the bids will be tested. The extensions must be made and footed up.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, 13 to 21 Park row, Bureau of Highways, Room 1611, Borough of Manhattan.

GEORGE McANENY, President.
The City of New York, February 5, 1912.
f5,16

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF ASSESSORS.

NOTICE IS HEREBY GIVEN BY THE Board of Assessors of The City of New York that on February 27, 1912, at 11 a. m., at their office, 320 Broadway, Borough of Manhattan, City of New York, they will meet to make the annual apportionment and assessment required for local improvements in the former town of Gravesend, County of Kings, under the provisions of chapter 118 of the Laws of 1892, as amended by chapter 171 of the Laws of 1893, at which time and place all parties interested in the lands to be affected by any such apportionment and assessment shall be entitled to be heard before said Board upon the questions of such apportionment and assessment. The proposed apportionment and assessment are now open for inspection.

JOSEPH P. HENNESSY, WILLIAM C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, February 5, 1912. f6,17

PUBLIC NOTICE IS HEREBY GIVEN TO all persons claiming to have been injured by a change of grade in the regulating and grading of the following named streets to present their claims, in writing, to the Secretary of the Board of Assessors, No. 320 Broadway, on or before February 20, 1912, at 11 o'clock a. m., at which place and time the said Board of Assessors will receive evidence and testimony of the nature and extent of such injury. Claimants are requested to make their claims for damages upon the blank form prepared by the Board of Assessors, copies of which may be obtained upon application at the above office.

Borough of Manhattan,

2424. 12th ave. between 134th and 135th sts.

Borough of The Bronx,

2383. Freeman st., between Stebbins and Intervale aves.
2386. 181st st. (unnamed street) connecting Tiebout ave. at the intersection of 181st st. with Webster ave. at the intersection of 182d st.
2415. Bronx Park ave., between Tremont and Walker aves.
2417. Hunts Point ave., between Southern boulevard and Lafayette ave.
2418. Ludlow ave., between Southern boulevard at Hunts Point road and the New York, New Haven and Hartford Railroad.
2419. Marmion ave., between Crotona Park North and Southern boulevard.
2421. Van Cortlandt ave., from Mosholu parkway to Jerome ave.
2442. Findlay ave., between E. 164th and E. 165th sts.

Borough of Brooklyn,

2443. Avenue D, between E. 34th and E. 35th sts.
2444. Avenue I, between E. 34th st. and E. 35th st.
2445. Apollo st., between Meeker ave. and Bridgewater st.
2446. Barbey st., between Jamaica and Sunnyside aves.
2447. Brooklyn ave., between Avenues G and I.
2449. 8th ave., between 62d st. and Bay Ridge ave.
2450. E. 10th st., between Caton and Church aves.
2451. E. 21st st., between Beverley road and Regent place.
2452. E. 23d st., between Clarendon and Beverley roads.
2453. 80th st., between 5th and Fort Hamilton aves.
2456. Huntington st., between Henry st. and Hamilton ave.
2458. Montrose ave. (as extended), between Union ave. and Broadway.
2459. Montgomery st., between New York and Nostrand aves.
2461. Rockaway ave., between Vienna ave. and Rockaway parkway.
2462. 70th st., between 13th and 14th aves. and between 18th and 22d aves.
2464. Sunnyside ave., between Miller ave. and Barbey st.
2465. Sterling place, between Rochester and Utica aves.
2466. Snyder ave., between Nostrand and New York aves.
2467. Snedicker ave., between Dumont and Riverdale aves.
2468. 10th ave., between 41st and 53d sts.
2469. Van Sicklen ave., between New Lots road and Dumont ave.
2470. Williams ave., between Belmont and Sutter aves.

Borough of Queens,

2425. 11th st., between Vernon and Van Alst aves., 1st Ward.
2427. Newtown ave., between Flushing and Grand aves., 1st Ward.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, February 5, 1912. f5,16

PUBLIC NOTICE IS HEREBY GIVEN TO the owner or owners of all houses and lots, improved or unimproved lands affected thereby, that the following proposed assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

Borough of Manhattan,

2175. Reconstructing sewer under pier at foot of 40th st. and North River.

Affecting block numbers 685, 707 to 711, 733 to 737, 759 to 763, 785 to 789, 811 to 815, 1050, 1069, 1088 and 1107.

2231. Sewer in Northern ave., between 181st and 190th sts.

Affecting block number 2179.

Borough of The Bronx,

1307. Regulating, grading, curbing, flagging, etc., Belmont ave., between E. 175th and E. 177th sts. (Tremont ave.).

2223. Paving and curbing Beck st., between Prospect and Leggett aves.

The area of assessment extends to within half the block at the intersecting streets.

Borough of Queens,

2210. Regulating, grading, curbing and flagging 14th ave., between Newtown road and Grand ave., 1st Ward.

2216. Regulating, grading, curbing and flagging 13th ave., between Jamaica and Grand aves., 1st Ward.

The area of assessment extends to within half the block at the intersecting streets.

Borough of Richmond,

2217. Regulating, grading, curbing and paving Lafayette ave., between Hatfield ave. and Hatfield place, 3d Ward.

The area of assessment extends to within half the block at the intersecting streets.

All persons whose interests are affected by the above-named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, 320 Broadway, New York, on or before March 5, 1912, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, February 2, 1912. f2,14

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1903, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

THURSDAY, FEBRUARY 15, 1912,

Boroughs of Manhattan and The Bronx.

1. FOR FURNISHING AND DELIVERING LUBRICANTS.

The time allowed for the delivery of the supplies and the performance of the contract is one hundred and eighty (180) calendar days.

The amount of security required is Two Hundred Dollars ($200).

2. FOR FURNISHING, DELIVERING AND INSTALLING PUMP SLIP INDICATORS AT THE 179TH STREET AND THE JEROME AVENUE PUMPING STATIONS.

The time allowed for doing and completing the entire work is fifty (50) consecutive working days.

The security required is One Thousand Dollars ($1,000).

Borough of Queens.

3. FOR FURNISHING AND DELIVERING PORTABLE GASOLINE ENGINE DRIVEN AIR COMPRESSOR.

The time allowed for doing and completing the entire work is seventy-five (75) calendar days.

The security required is One Thousand Dollars ($1,000).

All Boroughs.

4. FOR FURNISHING AND DELIVERING WET CONNECTION SLEEVES AND TAPPING VALVES.

The time allowed for the delivery of the materials and supplies and the performance of the contract is two hundred (200) calendar days on any one section, or on any number of sections.

The security required is as follows:

For Section 1, Four Thousand Dollars ($4,000).

For Section 2, Nine Thousand Dollars ($9,000).

For Section 3, Fifteen Hundred Dollars ($1,500).

For Section 4, One Thousand Dollars ($1,000).

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule by which the bids will be tested. The bids will be compared and award made to the lowest formal bidder in a lump or aggregate sum on Nos. 1, 2 and 3, and by sections on No. 4. Bids will be received on one or more sections.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department, Room 1903, 13 to 21 Park row, Borough of Manhattan, where any further information desired may be obtained.

HENRY S. THOMPSON, Commissioner.
Dated January 26, 1912. f2,15

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1903, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

TUESDAY, FEBRUARY 13, 1912,

Borough of Brooklyn.

1. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS AND APPURTENANCES:

Section 1. IN BROADWAY, FROM JAMAICA AVE. TO ROCKAWAY AVE.

Section 2. IN HOWARD AVE., FROM BROADWAY TO FULTON ST.

Section 3. IN HOPKINSON AVE., FROM BROADWAY TO FULTON ST.

The time allowed for doing and completing the entire work is:

For Section 1—One hundred (100) consecutive working days.

For Section 2—One Hundred (100) consecutive working days.

For Section 3—Seventy-five (75) consecutive working days.

The security required is as follows:

For Section 1—Fifteen Thousand Dollars ($15,000).

For Section 2—Fifteen Thousand Dollars ($15,000).

For Section 3—Ten Thousand Dollars ($10,000).

2. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS AND APPURTENANCES:

Section 1. IN FULTON ST.

Section 2. IN 67TH AND 76TH STS. AND IN 7TH AND 11TH AVES.

The time allowed for doing and completing the entire work is one hundred (100) consecu-

ave. to sewer summit about 500 feet west of 19th ave.; north side, reconnection across 19th ave.; in the south side, from 18th ave. to 21st ave., and SEWER BASINS in EIGHTY-SIXTH STREET, at the north, east and west corners of 14th ave.; at the south corner of 15th ave.; at the south and west corners of Bay 10th st.; at the west corner of Bay 11th st.; at the north and east corners of 19th ave.; at the north corner of 20th ave.; on the north side of EIGHTY-SIXTH STREET opposite Bay 8th st.; on the north side of EIGHTY-SIXTH STREET opposite Bay 10th st.; on the north side of EIGHTY-SIXTH STREET opposite Bay 19th st., and on the north side of EIGHTY-SIXTH STREET opposite Bay 22d st., and OUTLET SEWERS in GATLING PLACE, from 86th st. to 92d st.; in DAHLGREN PLACE, from 86th st. to 88th st., and in BATTERY AVENUE, from 86th to 88th st. Area of assessment affects Blocks Nos. 6037, 6053 to 6056, inclusive, 6069, 6070, 6090, 6091, 6339 to 6341, inclusive, 6344 and 6345, 6356 to 6361, inclusive, 6369 to 6377, inclusive.

—that the same were confirmed by the Board of Revision of Assessments on January 26, 1912, and entered January 26, 1912, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Mechanics Bank Building, Court and Montague sts., Borough of Brooklyn, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before March 26, 1912, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when such assessments beeame liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.
City of New York, Department of Finance, Comptroller's Office, January 26, 1912. j30,f9

DEPARTMENT OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

TUESDAY, FEBRUARY 13, 1912,

FOR FURNISHING AND DELIVERING LUMBER.

The time for the performance of the contract is during the year 1912. The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per foot or other unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each class, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner.
The City of New York, January 31, 1912.
j31,f13

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

TUESDAY, FEBRUARY 13, 1912,

FOR FURNISHING AND DELIVERING UNIFORMS.

The time for the performance of the contract is during the year 1912. The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per unit suit or other unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each class, line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner.
The City of New York, January 31, 1912.
j31,f13

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

CHANGE OF GRADE DAMAGE COMMISSION,

TWENTY-THIRD AND TWENTY-FOURTH WARDS.

PURSUANT TO THE PROVISIONS OF chapter 537 of the Laws of 1893 and the acts amendatory thereof and supplemental thereto, notice is hereby given that meetings of the Commissioners appointed under said acts will be held at the office of the Commission, Room 223, 280 Broadway (Stewart Building), Borough of Manhattan, New York City, on Mondays, Tuesdays and Thursdays of each week, at 2 o'clock p. m., until further notice.

Dated New York City, July 26, 1911.

WILLIAM D. DICKEY, CAMBRIDGE LIVINGSTON, DAVID ROBINSON, Commissioners.

LAMONT MCLAUGHLIN, Clerk.

BOROUGH OF MANHATTAN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, until 2 o'clock p. m., on

FRIDAY, FEBRUARY 16, 1912,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING RECEIVING BASIN ON THE NORTHWEST CORNER OF 166TH ST. AND ST. NICHOLAS AVE.

The Engineer's estimate of the quantity and quality of the materials and the nature and extent as near as possible of the work required, is as follows:

One receiving basin (with bluestone head).

93 linear feet of 12-inch pipe culvert.

20 cubic yards of rock to be excavated and removed.

The time allowance to complete the whole work is twenty (20) days.

The amount of security required will be Two Hundred and Fifty Dollars ($250).

The bidder will state the price of each item in the specifications or schedules herein contained or hereto annexed per foot, yard or other unit of measure, or article by which the bids will be tested. The extensions must be made and footed up.

Blank forms may be had and the plans and drawings may be seen at the office of the Commissioner of Public Works, 13-21 Park row, Bureau of Sewers, Borough of Manhattan.

GEORGE McANENY, President, Borough of Manhattan.

The City of New York, February 5, 1912.
f5,16

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, until 2 o'clock p. m., on

FRIDAY, FEBRUARY 16, 1912,

1. FOR REPAIRING AND MAINTAINING THE ASPHALT PAVEMENT ON THE FOLLOWING STREETS WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK:

45th st., from 6th ave. to 8th ave.; 4th st., from Lewis st. to 2d ave.; 3d st., from Lewis st. to 2d ave.; 6th st., from Ave. D to Lewis st.; 7th st., from Ave. C to Lewis st.; Lewis st., from Houston st. to S.S. of 3d st.; Lewis st., from 75 feet N. of 4th st., to S.S. of 5th st.; Lewis st., from 30 feet N. of 5th st. to 8th st.; Astor pl., from Broadway to 4th ave.; 8th st., from Broadway to 4th ave.; 1st ave., from 59th to 60th st.; 61st to 72d st.; 1st ave., from 74th to 83d st.; 84th to 85th st.; 1st ave., from 86th to 91st st.; 92d to 109th st.; Mercer st., from 4th st. to 8th st.; Washington pl., from Broadway to University pl.

Engineer's Estimate of amount of work to be done:

31,500 square yards of asphalt pavement.

150 square yards of old stone pavement.

20 cubic yards of concrete.

The time for the completion of the work is until all the work provided for in this contract shall have been completed, but not to extend beyond December 31, 1912.

The amount of security required is $10,000.

2. FOR REPAIRING AND MAINTAINING THE ASPHALT PAVEMENT ON THE FOLLOWING STREETS WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK:

80th st., from Ave. A to 1st ave.; 15th st., from 6th ave. to 10th ave.; 48th st., from 1st ave. to Lexington ave.; 51st st., from 1st ave. to 88 feet 1 inch E. of Park ave.; 54th st., from Lexington ave. to Madison ave.; 15th st., from 2d ave. to Irving pl.; Pell st., from Bowery to Mott st.; 61st st., from 1st ave. to Madison ave.; 68th st., from 1st ave. to 3d ave.; 10th st., from Stuyvesant st. to 5th ave.; 46th st., from 1st ave. to 4th ave.

Engineer's Estimate of amount of work to be done:

15,700 square yards of asphalt pavement.

150 square yards of stone pavement.

20 cubic yards of concrete.

The time for the completion of the work is until all the work provided for in this contract shall have been completed, but not to extend beyond December 31, 1912.

The amount of security required is $5,000.

3. FOR REPAIRING AND MAINTAINING THE ASPHALT PAVEMENT ON THE FOLLOWING STREETS WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK:

1st ave., from 60th to 61st st.; 72d to 74th st.; 1st ave., from 83d to 84th st.; 85th to 86th st.; 1st ave., from 91st to 92d st.; Ave. D, from Houston st. to 11th st.; 19th st., from 6th ave. to 7th ave.; 20th st., from 4th ave. to Broadway; 16th st., from 6th ave. to 7th ave.; 18th st., from 6th ave. to 7th ave.

Engineer's Estimate of amount of work to be done:

8,800 square yards of asphalt pavement.

125 square yards of old stone pavement.

34 cubic yards of concrete.

The time allowed for repairing and maintaining the pavement mentioned herein is until April 15, 1913, or until the date when the original guarantees expire.

The amount of security required will be $3,000.

4. FOR MAINTAINING THE ASPHALT PAVEMENT ON BROADWAY, FROM 14TH ST. TO NORTH SIDE OF 23D ST., INCLUDING THE SPACE BETWEEN UNIVERSITY PL., 14TH ST., AND EAST SIDE OF BROADWAY, AND FROM NORTH SIDE OF 25TH ST. TO NORTH SIDE OF 42D ST., WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

Engineer's Estimate of amount of work to be done:

24,000 square yards of asphalt pavement, including binder course.

100 cubic yards of concrete.

The time for the completion of the work is until all the work provided for in this contract shall have been completed, but not to extend beyond December 31, 1912.

The amount of security required is $12,000.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article by which the bids will be tested. The extensions must be made and footed up.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, 13 to 21 Park row, Bureau of Highways, Room 1611, Borough of Manhattan.

GEORGE McANENY, President.
The City of New York, February 5, 1912.
f5,16

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, until 2 o'clock p. m., on

FRIDAY, FEBRUARY 16, 1912,

REPAIRING TOOLS FOR THE BUREAU OF HIGHWAYS, BOROUGH OF MANHATTAN, AS PER QUANTITIES ENUMERATED IN THE CONTRACT.

Time allowed for doing and completing the above work is until December 31, 1912.

Amount of security required is $500.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article by which the bids will be tested. The extensions must be made and footed up.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, 13 to 21 Park row, Bureau of Highways, Room 1611, Borough of Manhattan.

GEORGE McANENY, President.
The City of New York, February 5, 1912.
f5,16

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

BOARD OF ASSESSORS.

NOTICE IS HEREBY GIVEN BY THE Board of Assessors of The City of New York that on February 27, 1912, at 11 a. m., at their office, 320 Broadway, Borough of Manhattan, City of New York, they will meet to make the annual apportionment and assessment required for local improvements in the former town of Gravesend, County of Kings, under the provisions of chapter 118 of the Laws of 1892, as amended by chapter 171 of the Laws of 1893, at which time and place all parties interested in the lands to be affected by any such apportionment and assessment shall be entitled to be heard before said Board upon the questions of such apportionment and assessment. The proposed apportionment and assessment are now open for inspection.

JOSEPH P. HENNESSY, WILLIAM C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, February 5, 1912. f6,17

PUBLIC NOTICE IS HEREBY GIVEN TO all persons claiming to have been injured by a change of grade in the regulating and grading of the following named streets to present their claims, in writing, to the Secretary of the Board of Assessors, No. 320 Broadway, on or before February 20, 1912, at 11 o'clock a. m., at which place and time the said Board of Assessors will receive evidence and testimony of the nature and extent of such injury. Claimants are requested to make their claims for damages upon the blank form prepared by the Board of Assessors, copies of which may be obtained upon application at the above office.

Borough of Manhattan,

2424. 12th ave. between 134th and 135th sts.

Borough of The Bronx,

2383. Freeman st., between Stebbins and Intervale aves.

2386. 181st st. (unnamed street) connecting Tiebout ave. at the intersection of 181st st. with Webster ave. at the intersection of 182d st.

2415. Bronx Park ave., between Tremont and Walker aves.

2417. Hunts Point ave., between Southern boulevard and Lafayette ave.

2418. Ludlow ave., between Southern boulevard at Hunts Point road and the New York, New Haven and Hartford Railroad.

2419. Marmion ave., between Crotona Park North and Southern boulevard.

2421. Van Cortlandt ave., from Mosholu parkway to Jerome ave.

2442. Findlay ave., between E. 164th and E. 165th sts.

Borough of Brooklyn,

2443. Avenue D, between E. 34th and E. 35th sts.

2444. Avenue I, between E. 34th st. and E. 35th st.

2445. Apollo st., between Meeker ave. and Bridgewater st.

2446. Barbey st., between Jamaica and Sunnyside aves.

2447. Brooklyn ave., between Avenues G and I.

2449. 8th ave., between 62d st. and Bay Ridge ave.

2450. E. 10th st., between Caton and Church aves.

2451. E. 21st st., between Beverley road and Regent place.

2452. E. 23d st., between Clarendon and Beverley roads.

2453. 80th st., between 5th and Fort Hamilton aves.

2456. Huntington st., between Henry st. and Hamilton ave.

2458. Montrose ave. (as extended), between Union ave. and Broadway.

2459. Montgomery st., between New York and Nostrand aves.

2461. Rockaway ave., between Vienna ave. and Rockaway parkway.

2462. 70th st., between 13th and 14th aves. and between 18th and 22d aves.

2464. Sunnyside ave., between Miller ave. and Barbey st.

2465. Sterling place, between Rochester and Utica aves.

2466. Snyder ave., between Nostrand and New York aves.

2467. Snedicker ave., between Dumont and Riverdale aves.

2468. 10th ave., between 41st and 53d sts.

2469. Van Sicklen ave., between New Lots road and Dumont ave.

2470. Williams ave., between Belmont and Sutter aves.

Borough of Queens,

2425. 11th st., between Vernon and Van Alst aves., 1st Ward.

2427. Newtown ave., between Flushing and Grand aves., 1st Ward.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, February 5, 1912. f5,16

PUBLIC NOTICE IS HEREBY GIVEN TO the owner or owners of all houses and lots, improved or unimproved lands affected thereby, that the following proposed assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

Borough of Manhattan,

2175. Reconstructing sewer under pier at foot of 40th st. and North River.

Affecting block numbers 685, 707 to 711, 733 to 737, 759 to 763, 785 to 789, 811 to 815, 1050, 1069, 1088 and 1107.

2231. Sewer in Northern ave., between 181st and 190th sts.

Affecting block number 2179.

Borough of The Bronx,

1307. Regulating, grading, curbing, flagging, etc., Belmont ave., between E. 175th and E. 177th sts. (Tremont ave.).

2223. Paving and curbing Beck st., between Prospect and Leggett aves.

The area of assessment extends to within half the block at the intersecting streets.

Borough of Queens,

2210. Regulating, grading, curbing and flagging 14th ave., between Newtown road and Grand ave., 1st Ward.

2216. Regulating, grading, curbing and flagging 13th ave., between Jamaica and Grand aves., 1st Ward.

The area of assessment extends to within half the block at the intersecting streets.

Borough of Richmond,

2217. Regulating, grading, curbing and paving Lafayette ave., between Hatfield ave. and Hatfield place, 3d Ward.

The area of assessment extends to within half the block at the intersecting streets.

All persons whose interests are affected by the above-named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, 320 Broadway, New York, on or before March 5, 1912, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, February 2, 1912. f2,14

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1903, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

THURSDAY, FEBRUARY 15, 1912,

Boroughs of Manhattan and The Bronx,

1. FOR FURNISHING AND DELIVERING LUBRICANTS.

The time allowed for the delivery of the supplies and the performance of the contract is one hundred and eighty (180) calendar days.

The amount of security required is Two Hundred Dollars ($200).

2. FOR FURNISHING, DELIVERING AND INSTALLING PUMP SLIP INDICATORS AT THE 179TH STREET AND THE JEROME AVENUE PUMPING STATIONS.

The time allowed for doing and completing the entire work is fifty (50) consecutive working days.

The security required is One Thousand Dollars ($1,000).

Borough of Queens,

3. FOR FURNISHING AND DELIVERING PORTABLE GASOLINE ENGINE DRIVEN AIR COMPRESSOR.

The time allowed for doing and completing the entire work is seventy-five (75) calendar days.

The security required is One Thousand Dollars ($1,000).

All Boroughs.

4. FOR FURNISHING AND DELIVERING WET CONNECTION SLEEVES AND TAPPING VALVES.

The time allowed for the delivery of the materials and supplies and the performance of the contract is two hundred (200) calendar days on any one section, or on any number of sections.

The security required is as follows:

For Section 1, Four Thousand Dollars ($4,000).

For Section 2, Nine Thousand Dollars ($9,000).

For Section 3, Fifteen Hundred Dollars ($1,500).

For Section 4, One Thousand Dollars ($1,000).

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule by which the bids will be tested. The bids will be compared and award made to the lowest formal bidder in a lump or aggregate sum on Nos. 1, 2 and 3, and by sections on No. 4. Bids will be received on one or more sections.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department, Room 1903, 13 to 21 Park row, Borough of Manhattan, where any further information desired may be obtained.

HENRY S. THOMPSON, Commissioner.
Dated January 26, 1912. f2,15

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1903, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

TUESDAY, FEBRUARY 13, 1912,

Borough of Brooklyn,

1. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS AND APPURTENANCES:

Section 1. IN BROADWAY, FROM JAMAICA AVE. TO ROCKAWAY AVE.

Section 2. IN HOWARD AVE., FROM BROADWAY TO FULTON ST.

Section 3. IN HOPKINSON AVE., FROM BROADWAY TO FULTON ST.

The time allowed for doing and completing the entire work is:

For Section 1—One hundred (100) consecutive working days.

For Section 2—One Hundred (100) consecutive working days.

For Section 3—Seventy-five (75) consecutive working days.

The security required is as follows:

For Section 1—Fifteen Thousand Dollars ($15,000).

For Section 2—Fifteen Thousand Dollars ($15,000).

For Section 3—Ten Thousand Dollars ($10,000).

2. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS AND APPURTENANCES:

Section 1. IN FULTON ST.

Section 2. IN 67TH AND 76TH STS. AND IN 7TH AND 11TH AVES.

The time allowed for doing and completing the entire work is one hundred (100) consecu-

tive working days on either section or on both sections.

The security required is as follows:

For Section 1—Twenty-five Thousand Dollars ($25,000).

For Section 2. Twenty-five Thousand Dollars ($25,000).

3. FOR FURNISHING, DELIVERING, ETC., METER TUBES AND GATE VALVES:

Section 1. 16-INCH VENTURI METER TUBES WITH RECORDING APPARATUS AND PIPE CONNECTIONS.

Section 2. ELECTRICALLY OPERATED GATE VALVES, COMPLETE WITH ALL APPLIANCES.

The time allowed for doing and completing the entire work is as follows:

For Section 1—Seventy-five (75) calendar days.

For Section 2—Seventy-five (75) calendar days.

The amount of the security required is as follows:

For Section 1—Seven Hundred Dollars ($700).

For Section 2—Five Hundred Dollars ($500).

Boroughs of Brooklyn and Richmond.

4. FOR FURNISHING AND DELIVERING DOUBLE NOZZLE FIRE HYDRANTS.

The time allowed for the delivery of the materials and supplies and the performance of the contract is seventy-five (75) consecutive working days.

The security required is Four Thousand Dollars ($4,000).

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule by which the bids will be tested. The bids will be compared and award made to the lowest formal bidder by sections on Nos. 1, 2 and 3, and in a lump or aggregate sum on No. 4. Bidders may bid on one or more sections.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department, Room 1903, 13 to 21 Park row, Borough of Manhattan, where any further information desired may be obtained.

HENRY S. THOMPSON, Commissioner.

Dated January 26, 1912. j31,f13

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1903, 13 TO 21 PARK ROW BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m., on

FRIDAY, FEBRUARY 9, 1912,

Borough of Queens.

1. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS AND APPURTENANCES IN CENTER, ELM, FARRINGTON, NORTH JANE, SOUTH JANE, LAWRENCE, ORCHARD, PROSPECT, SHERMAN, WILLIAM, 3D, 10TH, 11TH, 14TH, 19TH, 21ST, NORTH 22D, 23D, 26TH, 28TH, 29TH, 30TH, 31ST, 32D AND 33D STS.; IN BOWNE, FREEMAN, JEFFERSON, PAYNTAR, RAILROAD, SINCLAIR, VERNON, WEBSTER, WILSON, WOLCOTT, 6TH, 14TH, 15TH, 16TH AND 18TH AVES.; IN BOTANIC PLACE AND IN BEECHURST BOULEVARD.

The time allowed for doing and completing the entire work is one hundred and fifty (150) consecutive working days.

The security required is Forty Thousand Dollars ($40,000).

2. FOR FURNISHING, DELIVERING AND LAYING A 30-INCH WATER MAIN AND APPURTENANCES IN THE THIRD WARD, BOROUGH OF QUEENS, ALONG FRESH MEADOW ROAD AND UNION AVENUE.

The time allowed for doing and completing the entire work is one hundred and twenty-five (125) consecutive working days.

The security required is Sixty Thousand Dollars ($60,000).

3. FOR FURNISHING THE MATERIALS AND LABOR REQUIRED FOR ALTERATIONS, REPAIRS AND IMPROVEMENTS AT THE BAYSIDE PUMPING STATION, BOROUGH OF QUEENS.

The time allowed for doing and completing the entire work is one hundred (100) working days.

The security required is Five Thousand Dollars ($5,000).

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule by which the bids will be tested. The bids will be compared and award made to the lowest formal bidder in a lump or aggregate sum for each respective contract.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department, Room 1903, 13 to 21 Park row, Borough of Manhattan, where any further information desired may be obtained.

HENRY S. THOMPSON, Commissioner.

Dated January 23, 1912. j29,f9

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF STREET CLEANING.

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, 13-21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock noon on

MONDAY, FEBRUARY 19, 1912,

Borough of Manhattan,

No. 1. CONTRACT FOR FURNISHING AND DELIVERING COAL FOR HEATING PURPOSES.

The time for the delivery of the coal and the performance of the contract is by or before June 30, 1912.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price per ton of 2,240 pounds to the ton, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, 13-21 Park row.

WM. H. EDWARDS, Commissioner of Street Cleaning.

Dated February 3, 1912. f6,19

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, 13-21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock noon on

WEDNESDAY, FEBRUARY 14, 1912,

Boroughs of Manhattan, The Bronx and Brooklyn,

CONTRACT FOR FURNISHING AND DELIVERING

No. 1. 606 DRAFT HORSES AS FOLLOWS: 333 for Borough of Manhattan, 185 for Borough of Brooklyn, 88 for Borough of The Bronx.

No. 2. 18 DRIVING HORSES AS FOLLOWS: 10 for Borough of Manhattan, 6 for Borough of Brooklyn, 2 for Borough of The Bronx.

No. 3. 5,175 SPONGES.

No. 4. LEATHER (2 CLASSES AS DESCRIBED IN SPECIFICATIONS).

No. 5. 110 BREECHINGS FOR SINGLF CART HARNESS.

No. 6. 45 SETS DOUBLE TRUCK HARNESS.

No. 7. 400 SETS SINGLE CART HARNESS.

No. 8. 700 PIPE HORSE COLLARS.

No. 9. 6,200 SHEETS SCRAPER STEEL.

No. 10. 151 COILS (ESTIMATED APPROXIMATELY AT 64,325 POUNDS) MANILA ROPE.

The amount of security required is fifty per centum (50%) of the amount bid.

The time for the delivery of the supplies is as follows:

Nos. 1, 2, 4 and 10 is by December 31, 1912.

No. 3 is thirty (30) calendar days.

Nos. 5 and 9—sixty (60) calendar days.

Nos. 6, 7 and 8—ninety (90) calendar days.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per horse, per set or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total for each class and awards made to the lowest bidder on each class.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, 13-21 Park row.

WM. H. EDWARDS, Commissioner of Street Cleaning.

Dated January 27, 1912. f1,14

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

BOARD OF WATER SUPPLY.

SEALED BIDS WILL BE RECEIVED BY THE Board of Water Supply at its offices, seventh floor, 165 Broadway, New York, until 11 a. m. on

FRIDAY, FEBRUARY 23, 1912,

for

CONTRACT 114,

FOR FURNISHING AND DELIVERING 43 PRESSURE-REGULATING VALVES, VARYING IN SIZE FROM 12 TO 24 INCHES, FOR INSTALLATION IN CONNECTION WITH THE CITY TUNNEL AND THE CITY PIPE-LINES OF CATSKILL AQUEDUCT, IN NEW YORK CITY.

A statement of the quantities of the various sizes and further information are given in the Information for Bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

A bond in the sum of twelve thousand dollars ($12,000) will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York, to the amount of six hundred dollars ($600).

Time allowed for the completion of deliveries is until December 31, 1912.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc. and contract drawings, can be obtained at the above address, upon application in person or by mail, by depositing the sum of ten dollars ($10) in currency, or check drawn to the order of the Board of Water Supply, for each pamphlet. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

JOSEPH P. MORRISSEY, Secretary.

Note—See general instructions to bidders on last page, last column of the CITY RECORD, so far as applicable hereto and not otherwise provided for. f3,23

SEALED BIDS WILL BE RECEIVED BY the Board of Water Supply at its offices, 7th floor, 165 Broadway, New York, until 11 a. m. on

TUESDAY, FEBRUARY 20, 1912,

for Contract 72, for clearing and grubbing the Ashokan Reservoir, in the Towns of Olive, Marbletown, Hurley, Woodstock and Kingston, Ulster County, N. Y.

An approximate statement of the quantities of the various classes of work and further information are given in the Information for Bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

Two or more bonds, the aggregate amount of which shall be two hundred thousand dollars ($200,000) will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York to the amount of Fifteen Thousand Dollars ($15,000).

Time allowed for the completion of the work is until November 1, 1914. Pamphlets containing information for bidders, forms of proposal, contract, specifications, etc., and contract drawings, can be obtained at the above address, upon application in person or by mail, by depositing the sum of ten dollars ($10) in currency, or check, drawn to the order of the Board of Water Supply, for each pamphlet. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

JOSEPH P. MORRISSEY, Secretary.

Note—See General Instructions to Bidders on last page, last column of the CITY RECORD, so far as applicable hereto and not otherwise provided for. j27,f20

SEALED BIDS WILL BE RECEIVED BY THE Board of Water Supply, at its offices, Seventh Floor, 165 Broadway, New York, until 11 a. m. on

FRIDAY, FEBRUARY 9, 1912,

for

CONTRACT AA, FOR PRINTING.

An approximate statement of the quantities of the various classes of work and further information are given in the information for bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

A bond in the sum of thirty-five per cent. (35%) of the total amount of the contract will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York to the amount of five hundred dollars ($500).

This contract shall terminate on the completion of all editions under way December 31, 1912.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., can be obtained at the above address, upon application in person or by mail, by depositing the sum of five dollars ($5) in currency, or check, drawn to the order of the Board of Water Supply, for each pamphlet. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

JOSEPH P. MORRISSEY, Secretary. j20,f9

Note—See general instructions to bidders on last page, last column of the CITY RECORD, so far as applicable hereto and not otherwise provided for.

DEPARTMENT OF CORRECTION.

DEPARTMENT OF CORRECTION, 148 E. 20TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m. on

TUESDAY, FEBRUARY 20, 1912,

No. 1. FOR FURNISHING AND DELIVERING EIGHT HORSES.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before thirty days from date of contract.

The amount of security required is fifty per cetn. (50%) of the amount of the bid or estimate.

The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, 148 E. 20th st.

PATRICK A. WHITNEY, Commissioner.

Dated February 2, 1912. f7,20

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF CORRECTION, 148 E. 20TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BF received by the Commissioner of Correction at the above office until 11 o'clock a. m. on

TUESDAY, FEBRUARY 20, 1912,

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO REMOVE THE PRESENT TIN ROOF, GUTTERS AND LEADERS ON GABLE AND FLAT ROOFS OVER THE BOILER, DYNAMO AND ICE MACHINE ROOMS OF THE POWER PLANT ON HART'S ISLAND, NEW YORK, AND PUT ON A NEW COPPER ROOF, GUTTERS, LEADERS, ETC.

The time for the completion of the work and the full performance of the contract is by or before sixty (60) working days.

The amount of security required is fifty per cent. (50%) of the amount of bid or estimate. Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, 148 E. 20th st.

PATRICK A. WHITNEY, Commissioner.

Dated February 2, 1912. f7,20

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF CORRECTION, 148 E. 20TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m. on

TUESDAY, FEBRUARY 13, 1912,

No. 1. FOR FURNISHING AND DELIVERING 1,408 TONS ANTHRACITE COAL FOR CITY INSTITUTIONS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before March 31, 1912.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bids must be submitted in duplicate, each in a separate envelope.

No bid will be accepted unless this provision is complied with.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, 148 E. 20th st.

PATRICK A. WHITNEY, Commissioner.

Dated January 26, 1912. j31,f13

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF CORRECTION, 148 E. 20TH ST., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m. on

TUESDAY, FEBRUARY 13, 1912,

No. 1. FOR FURNISHING AND DELIVERING 10,000 TONS ANTHRACITE COAL FOR ISLAND INSTITUTIONS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before March 31, 1912.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Bids must be submitted in duplicate, each in a separate envelope.

No bid will be accepted unless this provision is complied with.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, 148 E. 20th st.

Dated February 1, 1912.

PATRICK A. WHITNEY, Commissioner.

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

BOROUGH OF BROOKLYN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, FEBRUARY 21, 1912,

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING OUTLET SEWERS IN E. 28TH ST. AND E. 29TH ST., BETWEEN TILDEN AVE. AND BEVERLY ROAD.

The Engineer's preliminary estimate of the quantities is as follows:

86 linear feet of 18-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $2.30	$197 80
1,191 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.95	2,322 45
50 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.65	82 50
1,347 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, 85 cents	1,314 95
14 manholes, complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50	700 00
4 sewer basins, complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $130	520 00
Total	$5,137 70

The time allowed for the completion of the work and full performance of the contract will be sixty (60) working days.

The amount of security required will be Two Thousand Five Hundred Dollars ($2,500).

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN 61ST ST., BETWEEN 19TH AND 20TH AVES., AND OUTLET SEWER IN 20TH AVE., BETWEEN 60TH AND 61ST STS.

The Engineer's preliminary estimate of the quantities is as follows:

235 linear feet of 36-inch brick sewer, egg-shaped, laid complete, including all incidentals and appurtenances; per linear foot, $5.15	$1,210 25
24 linear feet of 36-inch brick sewer, special section, laid complete, including all incidentals and appurtenances; per linear foot, $9	216 00
43 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $2.20	94 60
687 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.80	1,236 60
1,470 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, 90 cents	1,323 00
8 manholes, complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50	400 00
1 drop manhole, complete, as indicated on plan, with iron head and cover, including all incidentals and appurtenances; per manhole, $300	300 00
2 sewer basins, complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $140	280 00
Total	$5,060 45

The time allowed for the completion of the work and full performance of the contract will be seventy (70) working days.

The amount of security required will be Two Thousand Five Hundred Dollars ($2,500).

No. 3. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN 37TH ST., BETWEEN 8TH AND 9TH AVES., AND OUTLET SEWERS IN 9TH AVE., BETWEEN 37TH ST. AND 38TH ST., AND IN 38TH ST., FROM 9TH AVE. WESTERLY TO EXISTING MANHOLE AT THE INTERSECTION OF 38TH ST. AND NEW UTRECHT AVE.

The Engineer's preliminary estimate of the quantities is as follows:

335 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $2	$670 00
727 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.60	1,163 20
314 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, 80 cents	251 20
11 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50	550 00
3 sewer basins complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $130	390 00
Total	$3,024 40

The time allowed for the completion of the work and full performance of the contract will be forty (40) working days.

The amount of security required will be One Thousand Five Hundred Dollars ($1,500).

No. 4. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR

CONSTRUCTING SEWER BASINS ON FLATBUSH AVE., AT THE NORTHEAST CORNER OF MAPLE ST.; NORTHEAST CORNER OF RUTLAND ROAD; NORTHEAST CORNER OF ROBINSON ST.; SOUTHEAST CORNER OF SNYDER AVE.; NORTHEAST CORNER OF DURYEA PLACE; SOUTHEAST CORNER OF VANDERVEER PLACE, AND AT THE SOUTHEAST CORNER OF AVENUE D.

The Engineer's preliminary estimate of the quantities is as follows:

Seven (7) sewer basins complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $135.... 945 00

The time allowed for the completion of the work and full performance of the contract will be twenty-five (25) working days.

The amount of security required will be Four Hundred Dollars ($400).

No. 5. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS ON LITTLE NASSAU ST., AT THE SOUTHEAST CORNER OF TAAFFE PLACE, AND ON THE SOUTHEAST AND SOUTHWEST CORNERS OF KENT AVE.

The Engineer's preliminary estimate of the quantities is as follows:

Three (3) sewer basins complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $150. $450 00

The time allowed for the completion of the work and full performance of the contract will be twenty (20) working days.

The amount of security required will be Two Hundred and Twenty-five Dollars ($225).

No. 6. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS AT THE SOUTHEAST AND SOUTHWEST CORNERS OF DITMAS AVE. AND E. 7TH ST., AND AT THE SOUTHWEST CORNER OF DITMAS AVE. AND E. 8TH ST.

The Engineer's preliminary estimate of the quantities is as follows:

Three (3) sewer basins, complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $135 ..... $405 00

The time allowed for the completion of the work and full performance of the contract will be twenty (20) working days.

The amount of security required will be Two Hundred Dollars ($200).

No. 7. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS AT THE NORTHEAST AND SOUTHEAST CORNERS OF BLAKE AVE. AND MILFORD ST.

The Engineer's preliminary estimate of the quantities is as follows:

Two (2) sewer basins, complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $150 ..... $300 00

The time allowed for the completion of the work and full performance of the contract will be fifteen (15) working days.

The amount of security required will be One Hundred and Fifty Dollars ($150).

No. 8. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS AT THE NORTH AND EAST CORNERS OF 86TH ST. AND 15TH AVE.

The Engineer's preliminary estimate of the quantities is as follows:

Two (2) sewer basins, complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $140 ..... $280 00

The time allowed for the completion of the work and full performance of the contract will be fifteen (15) working days.

The amount of security required will be One Hundred and Forty Dollars ($140).

No. 9. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE NORTHWEST CORNER OF 37TH ST. AND OLD NEW UTRECHT ROAD.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin, complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenaneces; per basin, $140 ..... $140 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Seventy Dollars ($70).

No. 10. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN ON 72D ST., AT THE NORTH CORNER OF NEW UTRECHT AVE.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin, complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenaneces; per basin, $135 ..... $135 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Sixty Dollars ($60).

No. 11. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS AT THE NORTH AND WEST CORNERS OF 37TH ST. AND FORT HAMILTON AVE.

The Engineer's preliminary estimate of the quantities is as follows:

Two (2) sewer basins, complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $140 ..... $280 00

The time allowed for the completion of the work and full performance of the contract will be fifteen (15) working days.

The amount of security required will be One Hundred and Forty Dollars ($140).

No. 12. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SPECIAL SEWER BASIN AT THE EASTERLY CORNER OF TROUTMAN ST. AND ST. NICHOLAS AVE.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) special sewer basin complete, including catch basin, receiving basin, granite head, iron gratings, basin hood, connecting culverts, manhole head and cover, and all incidentals and appurtenances; per basin, $170..... $170 00

The time allowed for the completion of the work and full performance of the contract will be fifteen (15) working days.

The amount of security required will be Ninety Dollars ($90).

No. 13. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE NORTH CORNER OF 13TH AVE. AND 80TH ST.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin head and connecting culvert, including all incidentals and appurtenances; per basin, $155.... $155 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Seventy-five Dollars ($75).

No. 14. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE NORTHWEST CORNER OF NEWKIRK AVE. AND RUGBY ROAD.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin, $135..... $135 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Sixty Dollars ($60).

No. 15. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE NORTHEAST CORNER OF TILDEN AVE. AND E. 32D ST.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin, $135..... $135 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Sixty Dollars ($60).

No. 16. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN AT THE WESTERLY CORNER OF 60TH ST. AND 12TH AVE.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin, $135..... $135 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Sixty Dollars ($60).

The foregoing Engineer's preliminary estimate of the total cost for the completed work is to be taken as the 100 per cent. basis and test for bidding. Proposals shall each state a single percenatge of such 100 per cent. (such as 95 per cent., 100 per cent., or 105 per cent.), for which all materials and work called for in the proposed contract and the notices to bidders are to be furnished to the City. Such percentage, as bid for this contract, shall apply to all unit items specified in the Engineer's preliminary estimate to an amount necessary to complete the work described in the contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Sewers, 215 Montague st., Brooklyn.

ALFRED E. STEERS, President.
f8,21

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn, at the above office until 11 o'clock a. m. on

WEDNESDAY, FEBRUARY 21, 1912.

No. 1. FOR DREDGING WALLABOUT CANAL, FROM HEWES ST. TO A POINT 800 FEET NORTHERLY.

The Engineer's preliminary estimate of the quantities is as follows:

8,200 cubic yards, scow measurement.

The time allowed for the completion of the work and full performance of the contract will be forty (40) calendar days.

The amount of security required will be Two Thousand Dollars ($2,000).

The bidder will state the price of each item or article contained in the specifications or schedule herein contained or hereto annexed per cubic yard (scow measurement) or other unit of measure by which the bids will be tested.

Bids will be compared and the contract awarded at a lump or aggregate sum for the contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the Office of the Bureau of Sewers, the Borough of Brooklyn, 215 Montague st., Brooklyn, N. Y.

ALFRED E. STEERS, President.
Dated February 5, 1912. f8,21

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, FEBRUARY 21, 1912.

No. 1. FOR CONSTRUCTING CEMENT SIDEWALKS ON 75TH ST., BETWEEN 10TH AND 11TH AVES., WHERE NOT ALREADY DONE, AND ON VARIOUS OTHER STREETS IN THE BOROUGH OF BROOKLYN.

The Engineer's estimate of the quantities is as follows:

13,370 square feet cement sidewalk, 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be thirty (30) working days.

The amount of security required will be Seven Hundred Dollars ($700).

No. 2. FOR FENCING VACANT LOTS ON THE WEST SIDE OF 7TH AVE., BETWEEN 19TH AND 20TH STS., AND ON VARIOUS OTHER STREETS IN THE BOROUGH OF BROOKLYN.

The Engineer's estimate of the quantities is as follows:

1,924 linear feet of wooden rail fence, 6 feet high.

The time allowed for the completion of the work and the full performance of the contract will be thirty (30) working days.

The amount of security required will be Three Hundred Dollars ($300).

No. 3. FOR FURNISHING AND DELIVERING 50,000 SQUARE FEET OF BLUESTONE FLAGGING.

30,000 square feet to be delivered to the Wallabout Corporation Yard, Wallabout Market, foot of Hewes st.

10,000 square feet to be delivered to the Hopkinson Ave. Corporation Yard, Hopkinson ave., near Marion st.

10,000 square feet to be delivered to the N. 8th St. Corporation Yard, N. 8th st., near Union ave.

The time for the delivery of the supplies is on or before October 31, 1912.

The amount of security required will be Thirty-four Hundred Dollars ($3,400).

No. 4. FOR FURNISHING AND DELIVERING 135,816 FEET (BOARD MEASURE) OF LUMBER, TO BE DELIVERED AS FOLLOWS:

91,116 feet (B. M.) to the 67th St. Corporation Yard, 67th st., near 18th ave.

27,267 feet (B. M.) to the Wallabout Yard, Wallabout Basin, foot of Hewes st.

17,433 feet (B. M.) to the Neck Road Yard, Neck road and Gravesend ave.

The time for the delivery of the supplies is on or before December 31, 1912.

The amount of security required will be Twelve Hundred Dollars ($1,200).

No. 5. FOR FURNISHING AND DELIVERING 2,650 CUBIC YARDS OF BROKEN TRAP ROCK AND 950 CUBIC YARDS OF TRAP ROCK SCREENINGS, TO BE DELIVERED AS FOLLOWS:

550 cubic yards stone and 200 cubic yards screenings to Bay ave. and Elm ave., Ocean ave. to Coney Island ave.

250 cubic yards stone and 100 cubic yards screenings to Avenue M, Coney Island ave. to Ocean parkway.

1,150 cubic yards stone and 400 cubic yards screenings to 47th st., 18th ave. to New Utrecht ave.

200 cubic yards stone and 75 cubic yards screenings to 70th st., Fort Hamilton ave. to 10th ave.

500 cubic yards stone and 175 cubic yards screenings to 4th ave., 92d st. to 95th st.

The time for the delivery of the supplies is on or before December 1, 1912.

The amount of security required will be Twenty-two Hundred Dollars ($2,200).

No. 6. FOR FURNISHING AND DELIVERING 5,500 CUBIC YARDS OF BROKEN TRAP ROCK AND 2,000 CUBIC YARDS OF TRAP ROCK SCREENINGS, TO BE DELIVERED TO 18TH AVE., BETWEEN OCEAN PARKWAY AND CROPSEY AVE.

The time for the delivery of the supplies is on or before December 1, 1912.

The amount of security required will be Forty-five Hundred Dollars ($4,500).

No. 7. FOR FURNISHING AND DELIVERING 3,450 CUBIC YARDS OF BROKEN TRAP ROCK AND 1,200 CUBIC YARDS OF TRAP ROCK SCREENINGS. TO BE DELIVERED AS FOLLOWS:

550 cubic yards of stone and 200 cubic yards of screenings to Sheepshead Bay road, Ocean parkway to W. 8th st.

1,500 cubic yards of stone, 500 cubic yards of screenings, to Harway ave., 25th ave. to Coney Island Creek.

750 cubic yards of stone, 250 cubic yards of screenings to W. 17th st., Coney Island Creek to Surf ave.

650 cubic yards of stone, 250 cubic yards of screenings to Van Sicklen st., Kings Highway to Village road.

Time for the delivery of the above material is on or before December 1, 1912.

The amount of security required will be Two Thousand Eight Hundred Dollars ($2,800).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per square foot, cubic yard or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bidders on all supply contracts will furnish duplicate copies of their bids. Failure to do so will be sufficient grounds for rejection.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Bureau of Highways, Room 12, Municipal Building, Borough of Brooklyn.

ALFRED E. STEERS, President.
Dated February 5, 1912. f8,21

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m., on

WEDNESDAY, FEBRUARY 14, 1912.

1. FOR REGULATING AND PAVING WITH ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF BAY 23D ST., FROM CROPSEY AVE. TO BATH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,860 square yards asphalt pavement—5 years maintenance.

260 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract will be twenty (20) working days. The amount of security required will be Twelve Hundred Dollars ($1,200).

2. FOR REGULATING AND PAVING WITH ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF CORTELYOU ROAD, FROM OCEAN PARKWAY TO E. 5TH ST., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,255 square yards asphalt pavement—5 years maintenance.

175 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract will be twenty (20) working days. The amount of security required will be Eight Hundred Dollars ($800).

3. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON DEGRAW ST. (LINCOLN PLACE), FROM WASHINGTON AVE. TO UNDERHILL AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,420 linear feet new curbstone set in concrete.

15,280 cubic yards earth excavation.

330 cubic yards earth filling—not to be bid for.

12,080 square feet cement sidewalk—1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be ninety (90) working days. The amount of security required will be Thirty-five Hundred Dollars ($3,500).

4. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON UNION ST., FROM EAST NEW YORK AVE. TO EAST 98TH ST., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,930 linear feet new curbstone set in concrete.

4,070 cubic yards earth excavation.

2,700 cubic yards earth filling—not to be bid for.

14,750 square feet cement sidewalk—1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be fifty (50) working days. The amount of security required will be Twenty-four Hundred Dollars ($2,400).

5. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 58TH ST., FROM 10TH AVE. TO NEW UTRECHT AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

5,190 linear feet new curbstone set in concrete.

6,220 cubic yards earth excavation.

2,360 cubic yards earth filling—not to be bid for.

25,640 square feet cement sidewalk—1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be sixty (60) working days. The amount of security required will be Four Thousand Dollars ($4,000).

6. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 74TH ST., FROM 10TH AVE. TO 11TH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

80 cubic yards earth excavation.

750 cubic yards earth filling—to be furnished.

1,430 linear feet cement curb—1 year maintenance.

3,830 square feet cement sidewalk—1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract will be thirty (30) working days. The amount of security required will be Six Hundred Dollars ($600).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, square foot, square yard, cubic yard or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Highways, the Borough of Brooklyn, No. 12 Municipal Building, Brooklyn.

ALFRED E. STEERS, President.
Dated, January 29, 1912. f1,14

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

BOARD OF ESTIMATE AND APPORTIONMENT.

Public Improvement Matters.

COMMITTEE HEARING.

NOTICE IS HEREBY GIVEN THAT THE committee, consisting of the President of the Borough of The Bronx, the Comptroller and the President of the Borough of Manhattan, to which was referred on November 4, 1910, a request for relief from the assessment in the matter of acquiring title to *Westchester avenue, from Main street (West Farms road) to the Eastern boulevard; Lane avenue, from Westchester avenue to West Farms road; and to the public place bounded by Lane avenue, West Farms road and Westchester avenue, Borough of The Bronx*, will give a *public hearing* in the old Council Chamber, Room 16, City Hall, Borough of Manhattan, on Wednesday, February 14, 1912, at 3 p. m., at which all persons interested will be given an opportunity to be heard.

JOSEPH HAAG, Secretary, 277 Broadway, Telephone, 2280 Worth.
Dated February 2, 1912. f5,14

Removal of Encroachments on Maiden Lane, Borough of Manhattan.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York will give a *Public Hearing* in the old Council Chamber, Room 16, City Hall, Borough of Manhattan, City of New York, on *February* 15, 1912, *at* 10.30 *o'clock a. m.*, to all persons affected by the following resolutions submitted to the Board on February 1, 1912, by the President of the Borough of Manhattan, viz.:

Resolved, That all ordinances, resolutions, permits or licenses heretofore adopted, issued or granted by The City of New York, or by any board, body, council or officer thereof, or by any department, division, bureau or officer thereof, permitting, licensing or allowing any stoop, steps, courtyard, area, platform, porch, fence, railing, showcase, bay window, ornamental entrance, storm door, news stand, flower stand, or any other projection or encroachment of whatsoever nature or description, either temporary or permanent, on Maiden lane, in the Borough of Manhattan, between levels ten (10) feet above the curb grade and a sufficient depth below said curb to provide proper support for the street and walk surfaces and necessary subsurface structures, be and they are hereby in all respects repealed, cancelled and revoked; and be it further

Resolved, That the President of the Borough of Manhattan be and he is hereby authorized to remove, or cause to be removed, all said encroachments or encumbrances in accordance with the foregoing resolution.

JOSEPH HAAG, Secretary, 277 Broadway. Telephone, 2280 Worth.
Dated February 3, 1912. f3,15

Removal of Encroachments on Dey Street, Borough of Manhattan.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York will give a *Public Hearing* in the old Council Chamber, Room 16, City Hall, Borough of Manhattan, City of New York, on *February* 15, 1912, *at* 10.30 *o'clock a. m.*, to all persons affected by the following resolutions submitted to the Board on February 1, 1912, by the President of the Borough of Manhattan, viz.:

Resolved, That all ordinances, resolutions, permits or licenses heretofore adopted, issued or granted by The City of New York, or by any board, body, council or officer thereof, or by any department, division, bureau or officer thereof, permitting, licensing or allowing any stoop, steps, courtyard, area, platform, porch, fence, railing, showcase, bay window, ornamental entrance, storm door, news stand, flower stand, or any other projection or encroachment of whatsoever nature or description, either temporary or permanent, on Dey street, in the Borough of Manhattan, between levels ten (10) feet above

the curb grade and a sufficient depth below said curb to provide proper support for the street and walk surfaces and necessary subsurface structures, be and they are hereby in all respects repealed, cancelled and revoked; and be it further

Resolved, That the President of the Borough of Manhattan be and he is hereby authorized to remove, or cause to be removed, all said encroachments or encumbrances in accordance with the foregoing resolution.

JOSEPH HAAG, Secretary, 277 Broadway. Telephone, 2280 Worth.

Dated February 3, 1912. f3,15

Removal of Encroachments on Liberty Street, from Pearl Street to West Street, Borough of Manhattan.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York will give a *Public Hearing* in the old Council Chamber, Room 16, City Hall, Borough of Manhattan, City of New York, on *February* 15, 1912, *at* 10.30 *o'clock a. m.*, to all persons affected by the following resolutions submitted to the Board on February 1, 1912, by the President of the Borough of Manhattan, viz.:

Resolved, That all ordinances, resolutions, permits or licenses heretofore adopted, issued or granted by The City of New York, or by any board, body, council or officer thereof, or by any department, division, bureau or officer thereof, permitting, licensing or allowing any stoop, steps, courtyard, area, platform, porch, fence, railing, showcase, bay window, ornamental entrance, storm door, news stand, flower stand, or any other projection or encroachment of whatsoever nature or description, either temporary or permanent, on Liberty street, from the westerly curb of Pearl street to West street, in the Borough of Manhattan, between levels ten (10) feet above the curb grade and a sufficient depth below said curb to provide proper support for the street and walk surfaces and necessary subsurface structures, be and they are hereby in all respects repealed, cancelled and revoked; and be it further

Resolved, That the President of the Borough of Manhattan be and he is hereby authorized to remove, or cause to be removed, all said encroachments or encumbrances in accordance with the foregoing resolution.

JOSEPH HAAG, Secretary, 277 Broadway. Telephone, 2280 Worth.

Dated February 3, 1912. f3,15

Removal of Encroachments on Vesey Street, Borough of Manhattan.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York will give a *Public Hearing* in the old Council Chamber, Room 16, City Hall, Borough of Manhattan, City of New York, on *February* 15, 1912, *at* 10.30 *o'clock a. m.*, to all persons affected by the following resolutions submitted to the Board on February 1, 1912, by the President of the Borough of Manhattan, viz.:

Resolved, That all ordinances, resolutions, permits or licenses heretofore adopted, issued or granted by The City of New York, or by any board, body, council or officer thereof, or by any department, division, bureau or officer thereof, permitting, licensing or allowing any stoop, steps, courtyard, area, platform, porch, fence, railing, showcase, bay window, ornamental entrance, storm door, news stand, flower stand, or any other projection or encroachment of whatsoever nature or description, either temporary or permanent, on Vesey street, in the Borough of Manhattan, between levels ten (10) feet above the curb grade and a sufficient depth below said curb to provide proper support for the street and walk surfaces and necessary subsurface structures, be and they are hereby in all respects repealed, cancelled and revoked; and be it further

Resolved, That the President of the Borough of Manhattan be and he is hereby authorized to remove, or cause to be removed, all said encroachments or encumbrances in accordance with the foregoing resolution.

JOSEPH HAAG, Secretary, 277 Broadway. Telephone, 2280 Worth.

Dated February 3, 1912. f3,15

Removal of Encroachments on Cortlandt Street, Borough of Manhattan.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York will give a *Public Hearing* in the old Council Chamber, Room 16, City Hall, Borough of Manhattan, City of New York, on *February* 15, 1912, *at* 10.30 *o'clock a. m.*, to all persons affected by the following resolutions submitted to the Board on February 1, 1912, by the President of the Borough of Manhattan, viz.:

Resolved, That all ordinances, resolutions, permits or licenses heretofore adopted, issued or granted by The City of New York, or by any board, body, council or officer thereof, or by any department, division, bureau or officer thereof, permitting, licensing or allowing any stoop, steps, courtyard, area, platform, porch, fence, railing, showcase, bay window, ornamental entrance, storm door, news stand, flower stand, or any other projection or encroachment of whatsoever nature or description, either temporary or permanent, on Cortlandt street, in the Borough of Manhattan, between levels ten (10) feet above the curb grade and a sufficient depth below said curb to provide proper support for the street and walk surfaces and necessary subsurface structures, be and they are hereby in all respects repealed, cancelled and revoked; and be it further

Resolved, That the President of the Borough of Manhattan be and he is hereby authorized to remove, or cause to be removed, all said encroachments or encumbrances in accordance with the foregoing resolution.

JOSEPH HAAG, Secretary, 277 Broadway. Telephone, 2280 Worth.

Dated February 3, 1912. f3,15

Removal of Encroachments on Fulton Street, from Broadway to West Street, Borough of Manhattan.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York will give a *Public Hearing* in the old Council Chamber, Room 16, City Hall, Borough of Manhattan, City of New York, on *February* 15, 1912, *at* 10.30 *o'clock a.m.*, to all persons affected by the following resolutions submitted to the Board on February 1, 1912, by the President of the Borough of Manhattan, viz.:

Resolved, That all ordinances, resolutions, permits or licenses heretofore adopted, issued or granted by The City of New York, or by any board, body, council or officer thereof, or by any department, division, bureau or officer thereof, permitting, licensing or allowing any stoop, steps, courtyard, area, platform, porch, fence, railing, showcase, bay window, ornamental entrance, storm door, news stand, flower stand, or any other projection or encroachment of whatsoever nature or description, either temporary or permanent, on Fulton street, from the west side of Broadway to the east side of West street, in the Borough of Manhattan, between levels ten (10) feet above the curb grade and a sufficient depth below said curb to provide proper support for the street and walk surfaces and necessary subsurface structures, be and they are hereby in all respects repealed, cancelled and revoked; and be it further

Resolved, That the President of the Borough of Manhattan be and he is hereby authorized to remove, or cause to be removed, all said encroachments or encumbrances in accordance with the foregoing resolution.

JOSEPH HAAG, Secretary, 277 Broadway. Telephone, 2280 Worth.

Dated February 3, 1912. f3,15

Removal of Encroachments on Broadway, from Battery Place to Columbus Circle, and on the West Side of Whitehall Street, from Broadway to Stone Street, Borough of Manhattan.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York will give a *Public Hearing* in the old Council Chamber, Room 16, City Hall, Borough of Manhattan, City of New York, on *February* 15, 1912, *at* 10.30 *o'clock a. m.*, to all persons affected by the following resolutions submitted to the Board on February 1, 1912, by the President of the Borough of Manhattan, viz.:

Resolved, That all ordinances, resolutions, permits or licenses heretofore adopted, issued or granted by The City of New York, or by any board, body, council or officer thereof, or by any department, division, bureau or officer thereof, permitting, licensing or allowing any stoop, steps, courtyard, area, platform, porch, fence, railing, showcase, bay window, ornamental entrance, storm door, news stand, flower stand, or any other projection or encroachment of whatsoever nature or description, either temporary or permanent, on Broadway, in the Borough of Manhattan, from the north side of Battery place to the south side of Columbus Circle, or such part thereof as has not been included in the resolutions of May 18, 1911, together with White hall street on its west side from Broadway to Stone street, between levels ten (10) feet above the curb grade and a sufficient depth below said curb to provide proper support for the street and walk surfaces and necessary subsurface structures, be and they are hereby in all respects repealed, cancelled and revoked; and be it further

Resolved, That the President of the Borough of Manhattan be and he is hereby authorized to remove, or cause to be removed, all said encroachments or encumbrances in accordance with the foregoing resolution.

JOSEPH HAAG, Secretary, 277 Broadway. Telephone, 2280 Worth.

Dated February 3, 1912. f3,15

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to extend West Eighth street, from Surf avenue to the public park about 200 feet southerly therefrom, Borough of Brooklyn, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on February 15, 1912, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on February 1, 1912, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by extending West Eighth street, from Surf avenue to the public park about 200 feet southerly therefrom, in the Borough of Brooklyn, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Commissioner of Public Works of the Borough, and dated January 29, 1912.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 15th day of February, 1912, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD and the corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 15th day of February, 1912.

JOSEPH HAAG, Secretary, 277 Broadway. Telephone, 2280 Worth.

Dated February 2, 1912. f2,14

Franchise Matters.

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held this day, the following resolutions were adopted:

Whereas, The New York City Interborough Railway Company has, under date of November 25, 1911, made application to this Board for a modification of the terms and conditions of the ordinance of the Board of Aldermen approved by the Mayor March 31, 1903, granting said Company a franchise for the construction, maintenance and operation of a street surface railway in the Boroughs of Manhattan and The Bronx, as amended by contract dated June 25, 1907; resolution of the Board of Estimate and Apportionment approved by the Mayor December 14, 1908, and contract dated July 27, 1909; and

Whereas, Sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on December 7, 1910, fixing the date for public hearing thereon as January 4, 1912, at which citizens were entitled to appear and be heard, and publication was had for at least two (2) days in the "New York Press" and "New York Times," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing, and the public hearing was duly held on such day; and

Whereas, This Board has made inquiry as to the proposed modifications and amendments of said ordinance approved by the Mayor March 31, 1903, as amended by said contract dated June 25, 1907, said resolution approved by the Mayor December 14, 1908, and said contract dated July 27, 1909; now, therefore, it is

Resolved, That the following form of resolution for the consent or right applied for by the New York City Interborough Railway Company, containing the form of proposed contract for the grant of such right, be hereby introduced, and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby consents to certain modifications in the terms and conditions of the said ordinance of March 31, 1903, as amended by said contract of June 25, 1907, said resolution of December 14, 1908, and said contract of July 27, 1909; such modified terms and conditions being fully set forth and described in the following form of proposed contract for the grant thereof, embodying such terms and conditions as modify or alter said contract of July 27, 1909; which said contract otherwise remains unchanged as to all the other terms and conditions expressed therein; and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract, in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

This Contract, made this day of , 1912, by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the New York City Interborough Railway Company (hereinafter called the Company), party of the second part, witnesseth:

Whereas, The City did by an ordinance adopted by the Board of Aldermen March 16, 1903, approved by the Mayor March 31, 1903, grant to the Company the right or franchise to construct, maintain and operate a street surface railway upon and along certain streets, avenues, parkways, highways and bridges, particularly set forth and described in Section 1 of said ordinance; and

Whereas, Said ordinance was accepted by the Company in an agreement of acceptance executed March 31, 1903, and filed with the Comptroller of the City April 3, 1903; and

Whereas, In and by section 6 of said ordinance it was provided that the Company should complete the construction of at least twenty-four (24) miles of double-track railway on or before July 1, 1905; and

Whereas, By orders of the Appellate Division of the Supreme Court made June 16, 1905, and May 28, 1906, the time for the completion of said twenty-four (24) miles of double-track railway was extended to June 1, 1906, and June 1, 1907, respectively; and

Whereas, By contract dated June 25, 1907, between the City and the Company, the time for the completion of said twenty-four (24) miles of double-track railway was extended to December 25, 1908; and

Whereas, By resolution adopted by the Board December 11, 1908, and approved by the Mayor December 14, 1908, the time for the completion of said twenty-four (24) miles of double-track railway was extended to June 27, 1909; and

Whereas, By contract dated July 27, 1909, between the City and the Company, section 6 of said ordinance was amended to read as follows:

"The Company shall complete the construction and put in operation a railway upon the entire length of each of the routes hereinbefore described on or before March 24, 1912; otherwise the franchise, right and privilege to construct such railway upon the routes or portions of routes not then constructed and in full operation shall cease and determine," and

Whereas, The Company has by a petition dated November 25, 1911, applied to the Board for a modification of said contract of July 27, 1909, by an extension of time in which to complete the construction of a street surface railway upon:

(a) Hunts Point road (or avenue), from Randall avenue to Long Island Sound.

(b) Randall avenue, from Hunts Point road (or avenue) to Bronx River.

(c) Tremont avenue or East 177th street, from Westchester Creek to Locust Point.

(d) Muscoota street or 225th street from Broadway to Kingsbridge road.

Now, therefore, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby consents, subject to the conditions and provisions hereinafter set forth, to the change or amendment to the said right or franchise, as expressed in said ordinance adopted by the Board of Aldermen on March 16, 1903, and approved by the Mayor on March 31, 1903, as amended by said contract bearing date of June 25, 1907, and amended by said contract bearing date of July 27, 1909, said change or amendment to be as follows:

1. Section 6 of said ordinance, as amended, shall be further amended to read as follows: "The Company shall complete the construction and put in operation a railway upon the entire length of each of the routes described hereinbefore, on or before March 24, 1913; otherwise the franchise, right and privilege to construct such railway upon the routes or portions of routes not then constructed and in full operation shall cease and determine."

Sec. 2. The grant of this privilege is subject to the following conditions:

First—The Company shall commence the construction of a street surface railway upon each of the following streets, to wit:

(a) Hunts Point avenue (or road) from Randall avenue to Long Island Sound.

(b) Randall avenue from Hunts Point avenue (or road) to Bronx River.

(c) Muscoota street, or 225th street, from Broadway to Kingsbridge road.

within thirty (30) days from the date of notification that the regulating and grading contract for each of said streets has been completed and shall complete such construction and put in operation a railway upon each of said streets within four (4) months from the date of such notification, but nothing herein contained shall free the company from the obligation hereinbefore imposed to complete construction and put in operation a railway upon all of the said routes on or before March 24, 1913.

Sec. 2. This grant is subject to the condition that all the terms and conditions contained in the said ordinance adopted by the Board of Aldermen on March 16, 1903, and approved by the Mayor on March 31, 1903, as amended by contract bearing date of June 25, 1907, as amended by contract bearing date of July 27, 1909, except as herein modified and amended, shall remain in full force and effect."

Sec. 3. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed, and the party of the second part, by its officers thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed the day and year first above written.

THE CITY OF NEW YORK,

By.....Mayor.

(CORPORATE SEAL.)

Attest: .....City Clerk.

NEW YORK CITY INTERBOROUGH RAILWAY COMPANY,

By.....President.

(SEAL.)

Attest: .....Secretary.

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the proposed franchise and the adequacy of the compensation to be paid therefor, and of the terms and conditions, are as specified and fully set forth in the said contract dated July 27, 1909, as amended by the foregoing form of proposed contract for the consent to such modification and alteration.

Resolved, That these preambles and resolutions, including the said resolution for the consent of The City of New York to the modification and alteration as applied for by the New York City Interborough Railway Company and the said form of proposed contract for the grant of such franchise or right, containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, February 29, 1912, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to Thursday, February 29, 1912, in two (2) daily newspapers to be designated by the Mayor therefor, and published in The City of New York, at the expense of the New York City Interborough Railway Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment before authorizing any contract for the consent of the City to a certain modification and amendment in the terms and conditions of the said contract of July 27, 1909; such modification and amendment being fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing such contract, will, at a meeting of said Board, to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, February 29, 1912, at 10.30 o'clock a. m., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

(The "New York Press" and "Evening Mail" designated.)

JOSEPH HAAG, Secretary.

Dated, New York, January 18, 1912. f3,29

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment, held January 18, 1912, the following petition was received:

To the Board of Estimate and Apportionment:

The petition of the National District Telegraph Company respectfully shows to your honorable Board:

That your petitioner is a domestic corporation organized and existing under the provisions of article 8 of the Transportation Corporations Law of the State of New York, and is engaged in carrying on an electrical telegraph business of the nature mentioned in its articles of incorporation, a certified copy of which was sent to Joseph Haag, Esq., Secretary of your honorable Board, under date of December 10, 1910, to which reference is hereby made, consisting principally of electrical fire alarm telegraph signal service, both automatic and manual, connecting subscribers' premises with the central offices of said company, located in Manhattan at No. 44 East 23d street, and in Brooklyn at No. 44 Court street, and desires the privilege of use of the streets in the Boroughs of Manhattan, Bronx, Brooklyn, Queens and Richmond, as herein set forth.

Your petitioner asks the consent and approval of your honorable Board to the occupation of the streets of said City for the business of electrical fire alarm telegraph signal service, both automatic and manual, connecting subscribers' premises with the central offices of said company, located as aforesaid.

Wherefore your petitioner asks the consent of your honorable Board to the occupation of the streets for the purposes above set forth.

THE NATIONAL DISTRICT TELEGRAPH COMPANY,

By RUSH TAGGART, Its Attorney.

State of New York, County of New York, ss.:

Rush Taggart, being duly sworn, says that he is attorney for the National District Telegraph Company, the corporation described in the foregoing petition, for consent and approval of the use by it of the public streets as therein set forth, and that he signed the same as such attorney by authority duly given.

RUSH TAGGART.

Sworn to before me this 16th day of January, 1912.

E. A. MACCLEAN, Notary Public, New York County.

(SEAL.)

and the following resolutions were thereupon adopted:

Whereas, The foregoing petition from the National District Telegraph Company, verified January 16, 1912, was presented to the Board of Estimate and Apportionment at a meeting held January 18, 1912,

Resolved, That in pursuance of law this Board sets Thursday, the 15th day of February, 1912, at 10.30 o'clock in the forenoon, and Room 16 in the City Hall, Borough of Manhattan, as the time and place when and where such petition shall be first considered, and a public hearing be had thereon, at which citizens shall be entitled to appear and be heard; and be it further

Resolved, That the Secretary is directed to cause such petition and these resolutions to be published for at least two (2) days in two daily newspapers in The City of New York, to be designated by the Mayor, and for at least ten (10) days in the CITY RECORD immediately prior to such date of public hearing. The expense of such publication to be borne by the petitioner.

(The "New York Times" and "Evening Mail" designated.) JOSEPH HAAG, Secretary.

New York, January 18, 1912. f2,15

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment, held December 7, 1911, the following petition was received:

To the Honorable Board of Estimate and Apportionment of The City of New York:

The petition of The Automatic Fire Alarm Company respectfully shows:

First—That your petitioner is a corporation, duly organized and existing under the provisions of Article 9 of the Transportation Corporations Law of the State of New York, for the purpose, among other things, of taking over the property, rights and franchises of the Automatic Fire Alarm Company and the Consolidated Fire Alarm Company and of operating and maintaining systems of electric signal service, including the construction, maintaining and operating lines of electric telegraph; also of installing and operating apparatus in connection therewith on public or private buildings, and of leasing, renting, using, maintaining and operating the said apparatus and wires for the purpose of giving notice or warning by telegraphic or electric signals.

Second—Your petietioner desires to obtain from The City of New York its consent to the exercise of the franchise right and privilege, with such reasonable regulations as your Honorable Board and the law may require, of laying wires under, through and over the streets, squares and public places, and of connecting the same with apparatus in or on buildings, and thereupon maintaining and operating a system of electric signal service for the purpose of giving notice or warning, by telegraphic or electric signals, including alarms of fire or water in the following territory:

A. All that portion of The City of New York known as the Borough of Manhattan.

B. All that portion of The City of New York known as the Borough of Brooklyn.

Wherefore, your petitioner prays that the consent of your Honorable Board be granted to it to lay wires under, through and over the streets, squares and public places in the territory above described; also to lease wires therein; to connect such wires with apparatus in or on buildings, public and private, and in and to the Fire and Police Departments of The City of New York; all for the purpose of operating and maintaining a system of electric signal service by which notice of fire or flow of water, or any other matter may be given, and to which the said Police and

Fire Departments, and such others as may be in duty required, shall respond.

Dated New York, December 1, 1911.

THE AUTOMATIC FIRE ALARM COMPANY,

By E. O. RICHARDS, President, Petitioner.

County of New York, ss.:

Edward O. Richards, being duly sworn, says: That he is the President of The Automatic Fire Alarm Company, the corporation described in and which executed the foregoing petition; that he has read the same and knows the contents thereof and that the same is true; that he resides at No. 78 Irving place, in the Borough of Manhattan, in the City of New York; that he executed the foregoing petition for and on behalf of the said The Automatic Fire Alarm Company by order of the Board of Directors thereof; that the said The Automatic Fre Alarm Company is a corporation duly organized and existing under the laws of the State of New York.

E. O. RICHARDS.

Sworn to before me this 1st day of December, 1911.

(SEAL.)

WM. H. RANDEL, Notary Public, N. Y. Co.

and at the meeting of January 18, 1912, the following resolutions were adopted:

Whereas, The foregoing petition from The Automatic Fire Alarm Company dated December 1, 1911, was presented to the Board of Estimate and Apportionment at a meeting held December 7, 1911.

Resolved, That in pursuance of law this Board sets Thursday the 15th day of February, 1912, at 10.30 o'clock in the forenoon, and Room 16 in the City Hall, Borough of Manhattan, as the time and place when and where such petition shall be first considered, and a public hearing be had thereon, at which citizens shall be entitled to appear and be heard; and be it further

Resolved, That the Secretary is directed to cause such petition and these resolutions to be published for at least two (2) days in two daily newspapers in the City of New York, to be designated by the Mayor, and for at least ten (10) days in the CITY RECORD immediately prior to such date of public hearing. The expense of such publication to be borne by the petitioner. (The New York Press and the New York Commercial designated.)

JOSEPH HAAG, Secretary.

New York, January 18, 1912. f2,15

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment, held December 7, 1911, the following petition was received:

To the Honorable Board of Estimate and Apportionment of The City of New York:

The petition of the Manhattan Fire Alarm Company respectfully shows:

First—Your petitioner was on the 29th day of November, 1911, duly organized a corporation under that part of the Transportation Corporation Law of the State of New York relating to telegraph and telephone companies, viz.: Article 9 thereof, in part, to take over, and it has duly taken over, the assets and property of the Manhattan Fire Alarm Company, a corporation organized in the year 1894 under the Business Corporations Law of said State, which for years has been operating a fire-alarm telegraph system in the City of New York, and also, in part, to obtain from the Municipal Corporation, The City of New York, the grant, franchise, right and privilege hereinafter prayed for, the said City having through the Board of Estimate and Apportionment intimated, upon advice of its Corporation Counsel, that such franchise could not be granted to a corporation organized under the Business Corporations Law.

Second—Conforming to the City's objection founded upon the Corporation Counsel's opinion, and without waiving any right growing out of pre-existing licenses and the provisions of section 743 of the Greater New York Charter, and particularly the amendment of said section 743 by chapter 544 of the Laws of 1910, your petitioner now prays that there be granted to it by The City of New York, through the Board of Estimate and Apportionment, the franchise, right and privilege to lay, erect, construct, lease and maintain wires and other connections, with necessary poles, pipes, conduits and appliances in, over and under the streets, avenues, highways, parks and public places throughout the territory of the City of New York, according to the terms and conditions which this Board may now or hereafter determine, said wires to be used in the electrical or other operation of electrical or other call boxes in connection with telephone, telegraph and any system for transmitting calls and signals for electric or other protection service.

And your petitioner will ever pray, etc.

Dated New York, November 29, 1911.

MANHATTAN FIRE ALARM COMPANY,

By W. F. ALLEN, President.

Attest: E. S. ALLEN, Secretary.

(SEAL.)

State of New York, County of New York, ss.:

William F. Allen, being duly sworn, says: That he is the President of the above-named petitioner, that he has read the foregoing petition and knows the contents thereof; that the same is true to his own knowledge, except as to the matters therein stated to be alleged upon information and belief, and that as to those matters he believes it to be true.

Deponent says that the reason why this verification is made by him and not by the petitioner is that the petitioner is a corporation, and deponent makes this verification as an officer and director thereof.

WILLIAM F. ALLEN.

Sworn to before me this 29th day of November, 1911.

JAMES H. SEAMAN, Notary Public, New York, County.

(SEAL.)

and at the meeting of January 18, 1912, the following resolutions were adopted:

Whereas, The foregoing petition from the Manhattan Fire Alarm Company dated November 29, 1911, was presented to the Board of Estimate and Apportionment at a meeting held December 7, 1911;

Resolved, That in pursuance of law this Board sets Thursday the 15th day of February, 1912, at 10.30 o'clock in the forenoon and Room 16 in the City Hall, Borough of Manhattan, as the time and place when and where such petition shall be first considered, and a public hearing be had thereon, at which citizens shall be entitled to appear and be heard; and be it further

Resolved, That the Secretary is directed to cause such petition and these resolutions to be published for at least two (2) days in two daily newspapers in the City of New York, to be designated by the Mayor, and for at least ten (10) days in the CITY RECORD immediately prior to such date of public hearing. The expense of such publication to be borne by the petitioner. (The New York Press and the Sun designated.)

JOSEPH HAAG, Secretary.

New York, January 18, 1912. f2,15

PUBLIC NOTICE IS HEREBY GIVEN that at the meeting of the Board of Estimate and Apportionment, held this day, the following resolutions were adopted:

Whereas, The Postal Telegraph Cable Company has, under date of January 13, 1911, made application to this Board for the consent of The City of New York under section 102 of the Transportation Corporations Law (chapter 219 of the Laws of 1909) to the re-location of two conduits and cables (at present owned by The Commercial Cable Company) in the Boroughs of Brooklyn and Queens and the laying of two additional conduits and cables from the junction of Dover and Water sts., Borough of Manhattan, across the East River and through the Boroughs of Brooklyn and Queens to the Beach at Far Rockaway; and

Whereas, The above petition was withdrawn at the meeting of this Board held February 9, 1911, and a new petition dated February 4, 1911, presented; and

Whereas, The Corporation Counsel has advised this Board that public notice should be given of the proceedings looking to the granting of this consent, in accordance with the provisions of section 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905; and

Whereas, In pursuance of such laws this Board adopted a resolution on January 19, 1911, fixing the date for a public hearing thereon as March 2, 1911, at which citizens were entitled to appear and be heard, said date being continued for the second petition at the meeting of February 9, 1911, and publication was had for at least two (2) days in "The Sun" and "The Commercial," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of the hearing, and the public hearing was duly held on such date; now, therefeore, it is

Resolved, That the following form of the resolution for the grant of the consent applied for by the Postal Telegraph Cable Company, containing the form of proposed contract for the grant of such consent, be hereby introduced and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the Postal Telegraph-Cable Company the consent of The City of New York as more fully set out and described in the following form of proposed contract for the grant thereof, embodying all the terms and conditions, upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

This contract, made and entered into this day of , 191 , by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the Postal Telegraph-Cable Company, a corporation formed under and pursuant to the Laws of the State of New York (hereinafter called the Company), party of the second part, witnesseth:

Whereas, The Company on or about the 10th day of August, 1883, filed a certificate of incorporation in the office of the Secretary of State as the New England Telegraph Company; and

Whereas, The said New England Telegraph Company on or about July 26, 1884, filed with the Postmaster-General of the United States of America a certificate of acceptance of the restrictions and obligations imposed on telegraph companies by an Act of Congress of the United States, passed July 24, 1866, entitled, "An Act to aid in the construction of telegraph lines and to secure to the government the use of the same for postal, military and other purposes," and by title 65 of the Revised Statutes of the United States; and

Whereas, The said New England Telegraph Company on or about April 20, 1910, assumed the name of Postal Telegraph-Cable Company, by which it is now known, pursuant to an order of the Supreme Court of the State of New York, authorizing it so to do; and

Whereas, The Company has now applied for the consent of the City to the laying of certain underground conduits between the Borough of Manhattan and Far Rockaway Beach, Borough of Queens, which consent, the Board is advised, is required under the provisions of section 102 of the Transportation Corporations Law (chapter 219 of the Laws of 1909); now, therefore, in consideration of the mutual covenants and conditions herein contained, the City and the Company covenant and agree as follows:

Section 1. The City hereby consents to the construction, erection, maintenance and operation by the Company of the following:

1. Two (2) conduits, each not more than three (3) inches inside diameter with the necessary junction boxes, manholes and appurtenances for the purpose of placing cables and conductors therein from a point at the intersection of Dover and Water sts., Borough of Manhattan; through and along Dover st. to South st.; thence through and along South st. to a point situated near the northerly boundary of the property belonging to the City at the foot of Roosevelt st., now leased to the Clyde Steamship Company, and known as Pier (new) 22; thence underneath said property to the easterly extremity of the pier occupied by the Clyde Steamship Company; thence under the East River to a point near the northwestern extremity of the wharf belonging to the City at the foot of the tower of the Brooklyn end of the Brooklyn Bridge; thence beneath said wharf to a point in Water st., Borough of Brooklyn, near the northeastern corner of the aforesaid property; thence through and along Water st. to Dock st.; thence through and along Dock st. to Front st.; thence through and along Front st. to a point where they will join the route of the present conduits of The Commercial Cable Company; thence through and along Front st. to Hudson ave.; thence through and along Hudson ave. to Park ave.; thence through and along Park ave. to Vanderbilt ave.; thence through and along Vanderbilt ave. to Plaza st.; thence along Plaza st. to St. Johns place.

Together with the privilege of constructing and maintaining one (1) small cable house on the wharf or pier on each side of the East River for the purpose of connecting the underground land cables with the two cables to be laid under the East River.

2. Four (4) conduits, each not more than three (3) inches inside diameter, with the necessary junction boxes, manholes and appurtenances for the purpose of placing cables and conductors therein, from a point at the intersection of Plaza st. and St. Johns place, Borough of Brooklyn; thence through and along St. Johns place to East New York ave.; thence through and along East New York ave. to Liberty ave.; thence through and along Liberty ave. to Linwood st.; thence through and along Linwood st. to Belmont ave.; thence through and along Belmont ave. to Railroad ave.; thence through and along Railroad ave. to Pitkin ave.; thence through and along Pitkin ave. to the property, formerly of the Brooklyn City Water Works, now known as the conduit lands (Conduit ave.); thence through and along the said conduit lands (Conduit ave.) to the boundary line between the Boroughs of Brooklyn and Queens; thence continuing along the conduit lands (about 4½ miles) to the point of intersection of the said conduit lands with the Rockaway turnpike; thence through and along the Rockaway turnpike to the boundary line between The City of New York and the County of Nassau.

Also beginning at the intersection of Central ave. and McNeil ave., Far Rockaway, Borough of Queens; thence through and along McNeil ave. to Broadway; thence through and along Broadway to its intersection with Oak st., Rockaway turnpike and Jarvis lane; thence through and along Jarvis lane to a point where it joins or intersects Grand View ave.; thence through and along Grand View ave. and in a line therewith to the beach at Far Rockaway, there to connect with the ocean cables of The Commercial Cable Company, which are to be brought to a land connection at this point.

All as shown on a map or plan entitled: "Map or plan to accompany the petition of the Postal Telegraph-Cable Company, dated February 4, 1911, to the Board of Estimate and Apportionment, for permission to construct conduits and draw cables therein from a point at the intersection of Dover and Water sts., Borough of Manhattan, through the Boroughs of Brooklyn and Queens to the beach at Far Rockaway, as more specifically set forth in the petition of the Company," and signed by C. C. Adams, as Vice-President, a copy of which is attached hereto, and is to be deemed a part of this contract.

Sec. 2. The consent hereby given is in consideration of and subject to the following provisions and conditions:

First—This contract is entered into on the mutual and express understanding and agreement by and between the parties hereto that the Company will not use the said conduits or conductors for which consent is hereby granted for any other purpose than as a telegraph line in connection with the cable lines of the Postal Telegraph-Commercial Cable system, so-called.

Second—The said consent to construct, maintain and operate said conduits and their appurtenances shall continue and extend for the period of the duration of the Company and any renewals of its chartered existence in accordance with the laws of the State of New York.

Third—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions, over or through the same route, hereinbefore described, or any portion thereof.

Fourth—The consent hereby granted shall not be assigned, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company, or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in anywise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Fifth—The Company shall commence construction of the conduits herein consented to within six (6) months from the date upon which this contract is signed by the Mayor and complete the construction of the same, and have the necessary cables and conductors drawn into the same and commence operation within two (2) years therafter, otherwise this consent shall cease and determine; provided that the period for commencement and the period for completion, here specified, may be extended by the Board; and provided, further, that when the commencement or completion of said construction shall be prevented by legal proceedings in any court or by works of public improvements, or from other causes not within control of the Company, the time for the commencement or completion of such construction shall be considered extended for the period of such prevention, but no delay shall be allowed for unless the court proceedings shall be diligently prosecuted by the Company, and provided, further, that in no case shall such delay be deemed to begin until the Company shall have given written notice to the Board of any such court proceedings or other occasion of delay, and deliver to the Board copies of any injunction or other orders, and the papers upon which the same shall have been granted, and unless upon the request of the Board the Company shall, in writing, consent that the Board either in its own name as a party, or in the name of the City as a party, may intervene in any such proceedings.

Sixth—Said conduits shall be constructed, maintained and operated subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City.

No construction upon said conduits shall be commenced until written permits have been obtained from the proper City officials.

In any permits so issued such officials may also impose such conditions, as a condition of the granting of the same, as are necessary for the purpose of protecting any structures in the streets and avenues over which such officials have jurisdiction and the Company shall comply with such conditions.

The electrical equipment to be installed by the Company within the limits of the City, whether the same be upon streets and avenues or upon private property, shall be constructed and maintained under the supervision and control of the Commissioner of Water Supply, Gas and Electricity.

Upon completion of the work the grantee shall furnish to the Presidents of the Boroughs plans of such character as they may direct, showing accurately and distinctly the location, size and type of construction and complete dimensions of the structure installed; also the location and dimensions of all substructures encountered during the progress of the work. The depth below the street surface of the new structures and substructures encountered must be shown; also their location with reference to the nearest curb line and the nearest curb line intersection.

Seventh—The Company where it has opened any street or avenue for the purpose of laying or repairing the conduits and cables herein consented to, shall properly restore said pavement and maintain the same for a period of one year, all at its own expense. If the Company shall, after five (5) days' notice from either the President of the Borough of Brooklyn or the President of the Borough of Queens, or any other proper City official, neglect to so restore or maintain said pavement, then the said Presidents, or either of them, or such other proper official, shall be authorized to do so at the expense of the Company, and the cost of such restoration and maintenance shall be a proper charge against the Company. No street or avenue which shall be opened for the purpose of this construction or for any repairs subsequent to the completion of such construction shall be kept open for a longer period than the local authorities may prescribe, or where no period is prescribed, not longer than is reasonably necessary.

Eighth—The Company shall not construct any overhead wires, conductors or cables or erect any poles upon or along the route for which consent is herein granted, or any part of the same, and it is distinctly understood and agreed that such conduits and cables, and every portion thereof shall be placed and constructed underneath the surface of the streets and avenues and other public places and property on such route.

Ninth—It is a condition of this contract that the Company shall bear the entire expense of all work undertaken under the consent granted.

Tenth—Any alteration to the sewerage or drainage systems or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the conduits, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Eleventh—It is agreed that the consent hereby granted to construct and operate these conduits and conductors shall not be in preference or in hindrance to public work of the City, and should the said conduits and conductors in any way interfere with the construction of public works in the streets and avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the conduits, conductors and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Twelfth—Should the grades or lines of the streets and avenues in which the conduits are laid be changed at any time after the same have been constructed and during the term of this contract, the Company shall at its own expense, change said conduits and appurtenances to conform with such new grades and lines, and during the construction of any public improvement upon said streets and avenues, the Company shall take care of and protect the conduits and appurtenances at its own expense, all to be done subject to the direction of the City official having jurisdiction over the construction of such change.

Thirteenth—The wires, cables, conductors and conduits to be laid shall be employed for no other purpose than that explicitly set forth herein, except by consent of the Board, and the Company binds itself not to lay, use, lease or operate the said wires, cables, conductors and conduits for illegal purposes or to illegal places.

Fourteenth—In case of any violation or breach or failure to comply with any of the provisions herein contained, this contract may be forfeited by a suit brought by the Corporation Counsel, on notice of ten (10) days to the Company, or at the option of the Board by resolution of said Board. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Fifteenth—If the Company shall fail to maintain its structures and equipment as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time; and upon failure of the Company to remedy such default within a reasonable time, and in case such structures or equipment which may affect the surface of the streets shall not be put in good condition within a reasonable time after notice by the Board as aforesaid, the City shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon.

Sixteenth—The Company shall assume all liability to persons or property by reason of the construction or operation of the conduits to be laid, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

The Company shall not, without the permission and consent of the lessee, enter into or use any wharves or piers or other public property affected by this contract, but which is leased by the City to any person or corporation.

Seventeenth—This consent is upon the express condition that the Company within thirty (30) days after the signing of this contract by the Mayor and before anything is done in exercise of the consent hereby granted shall file with the Comptroller of the City the joint and several bond of the Company and The Commercial Cable Company in the sum of twenty-five thousand dollars ($25,000) conditioned that the Company will perform all the terms and conditions of this contract and each and every one thereof, and comply with all orders of the Board or other local authority acting under the powers herein reserved, especially those which relate to the repairs of street pavement, quality of construction of the conduits and the maintenance of the property in good condition throughout the whole term of this contract, and in case of default in the performance by the Company of such terms and conditions or upon its failure to comply with such orders or either or any of them, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof, after due notice, and shall collect the reasonable cost thereof from said Companies or either of them.

Eighteenth—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Nineteenth—The words "streets or avenues" and "streets and avenues" wherever used in this contract shall be deemed to mean "streets, avenues, highways, boulevards, concourses, driveways, bridges, tunnels, parks, parkways, waterways, docks, bulkheads, wharves, piers or public grounds or waters," the City Aqueduct or Conduit Lands within and belonging to the City and any other property to which the City has title or over which the public has an easement, encountered in the route hereinabove described, and through or in which this contract shall operate.

Twentieth—If at any time the powers of the Board or any other of the authorities herein mentioned, or intended to be mentioned, shall be transferred by law to any other board, authority, officer or officers, then and in such case such other board, authority, officer or officers, shall have all the powers, rights, and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Twenty-first—The grant of this privilege is subject to whatever right, title or interest the owners of abutting property or others may have in and to the streets and avenues affected by this consent.

Sec. 3. Nothing contained herein shall be deemed to authorize the Company to use the land, formerly of the Brooklyn City Water Works, now generally known as the Conduit Lands or the City Aqueduct, without the consent of the Board of Commissioners of the Sinking Fund first had and obtained in the manner and in accordance with the procedure for such consent required by "The Greater New York Charter." And nothing contained herein shall be deemed nor is anything contained herein intended or to be construed as giving to the said Postal Telegraph-Cable Company the consent of this Board, under its authority con-

ferred by "The Greater New York Charter," to the use of the said Conduit Lands for a further or longer term than the Board of Commissioners of the Sinking Fund is authorized to grant either by permission or lease or otherwise, or to the use of any other property of the City as above for a longer period than the local authority or authorities having the control and management of the same are empowered to authorize. And the said right to use the said Conduit Lands and other City property shall be subject to such conditions and provisions as may be imposed by the Board of Commissioners of the Sinking Fund.

Sec. 4. This contract shall not take effect nor shall the Postal Telegraph-Cable Company exercise its privilege of constructing the underground conduits for which consent is herein granted, unless and until The Commercial Cable Company shall execute and file with the Board an instrument under seal, wherein it shall agree in consideration of the grant of the consent to be given by the Board of Commissioners of the Sinking Fund to the use of the City Aqueduct or Conduit Lands, to transfer to the City free of all cost and expense that portion of the present conduits, belonging to the said Commercial Company between Plaza st., Borough of Brooklyn, and the cable landing at Manhattan Beach, Coney Island, which is to be abandoned and through which no further operations in connection with the Atlantic cables will be conducted when the conduits hereinbefore referred to are completed and placed in operation, such portion to be so transferred being shown on the map or plan attached hereto. In said instrument The Commercial Cable Company shall agree and bind itself to make such transfer to the City within six (6) months after the completion of the conduits herein consented to and the placing of the same in operation.

Sec. 5. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the laws of the State of New York.

Sec. 6. The consent herein granted is subject to the jurisdiction of the United States of America over navigable streams and waters.

Sec. 7. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part by its Mayor thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed, and the party of the second part by its officers thereunto duly authorized has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed the day and year first above written.

THE CITY OF NEW YORK,
By ....., Mayor.
(CORPORATE SEAL.)
Attest: .....City Clerk.
POSTAL TELEGRAPH-CABLE COMPANY,
By ....., President.
(CORPORATE SEAL.)
Attest: .....Secretary.
(Here add acknowledgments.)

Resolved, That these preambles and resolutions for the grant of the consent applied for by the Postal Telegraph-Cable Company, and the said form of a proposed contract for the grant of such consent, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, February 15, 1912, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to Thursday, February 15, 1912, in two daily newspapers to be designated by the Mayor therefor, and published in the City of New York, at the expense of the Postal Telegraph-Cable Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the grant of a consent applied for by the Postal Telegraph-Cable Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such consent, and before adopting any resolution authorizing any such contract, will, at a meeting of said Board to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, February 15, 1912, at 10.30 o'clock a. m., hold a public hearing thereon at which citizens shall be entitled to appear and be heard.

(The New York "Press" and the "Sun" designated.

JOSEPH HAAG, Secretary.
Dated New York, January 4, 1912 j22,f15

PUBLIC NOTICE.

BOARD OF ESTIMATE AND APPORTIONMENT, CITY OF NEW YORK.

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held this lay, the public hearing on the form of contract for a change in the main line of the route of the New York, Westchester & Boston Railway Company from that described in contract dated January 29, 1909, between the southerly terminus of the route and the Harlem River and a point between 134th and 135th streets, east of Willow avenue, in the Borough of The Bronx, was continued until the meeting of said Board to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, February 29, 1912, at 10.30 o'clock a. m.

JOSEPH HAAG, Secretary.
Dated New York, January 18, 1912. j20,f29

BOARD OF ELECTIONS.

OFFICE OF THE BOARD OF ELECTIONS OF THE CITY OF NEW YORK, 107 W. 41ST ST., BOROUGH OF MANHATTAN.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Elections of The City of New York, at its offices, 107 W. 41st st., Borough of Manhattan, New York City, until 12 m., on

TUESDAY, FEBRUARY 13, 1912,

FOR FURNISHING AND DELIVERING 3,250 CONGRESSIONAL DISTRICT MAPS.

The time for the performance of the contract for the delivery of maps is thirty calendar days.

The amount of security required is One Thousand Dollars ($1,000).

The Bids will be compared and the amount awarded "in aggregate for all items."

Delivery will be required to be made at the several Borough offices in The City of New York at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and samples may be seen at the office of the Board of Elections of The City of New York, Borough of Manhattan, 107 W. 41st st.

J. GABRIEL BRITT, MOSES M. McKEE, JAMES KANE, JACOB A. LIVINGSTON, Commissioners of Elections.

MICHAEL T. DALY, Chief Clerk.
Dated, New York. f1,13

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

BOROUGH OF RICHMOND.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF RICHMOND, BOROUGH HALL, ST. GEORGE, NEW BRIGHTON, N. Y., CITY.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Richmond at the above office until 12 o'clock m. on

TUESDAY, FEBRUARY 13, 1912,
Borough of Richmond,

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO CONSTRUCT A COMBINED SEWER WITH THE NECESSARY APPURTENANCES IN TARGEE ST., FROM CLOVE AVE. TO FINGERBOARD ROAD; AND TEMPORARY COMBINED SEWERS WITH NECESSARY APPURTENANCES IN CLOVE AVE., FROM NECKAR AVE. TO A POINT ABOUT 200 FEET WEST OF RHINE AVE.; AND OTHER STREETS, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantity and quality of the material, and the nature and extent, as near as possible, of the work required, is as follows:

697 linear feet of reinforced concrete sewer of 5 feet 3 inches by 7 feet 10½ inches interior diameter, including reducer to 4 feet 6 inches by 6 feet 9 inches sewer, all complete, as per section on plan of the work.

1,092 linear feet of reinforced concrete sewer of 4 feet 6 inches by 6 feet 9 inches interior diameter, including junction with 3 feet by 4 feet 6 inches sewer, all complete, as per section on plan of the work.

489 linear feet of reinforced concrete sewer of 3 feet 2 inches by 4 feet 9 inches interior diameter, all complete, as per section on plan of the work.

530 linear feet of reinforced concrete sewer of 3 feet by 4 feet 6 inches interior diameter, all complete, as per section on plan of the work.

237 linear feet of reinforced concrete sewer of 2 feet 9 inches by 4 feet 1½ inches interior diameter, including junction with 2 feet 4 inches by 3 feet 6 inches sewer, all complete, as per section on plan of the work.

495 linear feet of reinforced concrete sewer of 2 feet 4 inches by 3 feet 6 inches interior diameter, all complete, as per section on plan of the work.

250 linear feet of reinforced concrete sewer of 2 feet 2 inches by 3 feet 3 inches interior diameter, all complete, as per section on plan of the work.

250 linear feet of reinforced concrete sewer of 2 feet by 3 feet interior diameter, all complete, as per section on plan of the work.

322 linear feet of reinforced concrete sewer of 1 foot 8 inches by 2 feet 6 inches interior diameter, all complete, as per section on plan of the work.

1,459 linear feet of salt-glazed vitrified pipe sewer of twenty (20) inches interior diameter, all complete, as per section on plan of the work.

898 linear feet of salt-glazed vitrified pipe sewer of eighteen (18) inches interior diameter, all complete, as per section on plan of the work.

771 linear feet of salt-glazed vitrified pipe sewer of fifteen (15) inches interior diameter, all complete, as per section on plan of the work.

996 linear feet of salt-glazed vitrified pipe sewer of twelve (12) inches interior diameter, all complete, as per section on plan of the work.

866 linear feet of salt-glazed vitrified pipe sewer of ten (10) inches interior diameter, all complete, as per section on plan of the work.

3,330 linear feet of salt-glazed vitrified pipe sewer of eight (8) inches interior diameter, all complete, as per section on plan of the work.

30 reinforced concrete receiving basins with one and one-quarter (1¼) inch galvanized wrought iron bars and iron traps, all complete, as shown on plans on file in the office of the Commissioner of Public Works, and connected with the sewer.

4 reinforced concrete receiving basins, special design, all complete, as shown on plan of the work, and connected with the sewer.

53 manholes, complete, as per section on plan of the work.

1 drop manhole, complete, as per section on plan of the work.

11 flush tanks with six (6) Miller siphon, set complete, as per section on plan of the work, and connected as required by the Engineer.

400 linear feet of piles, furnished, driven and cut.

20,000 (B. M.) feet of yellow pine foundation timber and planking in place and secured.

45,000 (B. M.) feet of spruce planking in place and secured.

120,000 (B. M.) feet of sheeting, retained.

580 cubic yards of concrete in place, for cradle, etc.

75 cubic yards of brick masonry.

1,200 cubic yards of additional excavation.

100 cubic yards of additional filling.

10,000 pounds of additional reinforcing metal equal and similar to Nos. 4 and 10 expanded metal, furnished and placed.

5,000 pounds of additional reinforcing metal, equal and similar to corrugated or deformed steel rods, furnished and placed.

700 linear feet of new 5-inch by 16-inch bluestone curb, furnished and set in concrete foundation.

50 linear feet of new 5-inch by 16-inch bluestone curb, furnished and set in sand foundation.

150 linear feet of house sewers (not intercepted) extended and connected.

30 linear feet of additional twenty-four (24) inch vitrified culvert pipe, furnished and laid, complete.

40 linear feet of additional twenty (20) inch vitrified culvert pipe, furnished and laid, complete.

140 linear feet of additional eighteen (18) inch vitrified culvert pipe, furnished and laid, complete.

30 linear feet of additional fifteen (15) inch vitrified culvert pipe, furnished and laid, complete.

500 linear feet of additional twelve (12) inch vitrified culvert pipe, furnished and laid, complete.

175 linear feet of additional ten (10) inch vitrified culvert pipe, furnished and laid, complete.

50 linear feet of additional eight (8) inch vitrified culvert pipe, furnished and laid, complete.

700 linear feet of eight (8) inch vitrified pipe underdrain, furnished and laid, complete, as per section on plan of the work.

3,350 linear feet of six (6) inch vitrified pipe underdrain, furnished and laid, complete, as per section on plan of the work.

700 square feet of additional four (4) inch reinforced concrete slab for basin heads, as shown on plan of the work.

22 additional cast iron rings and covers for basin tops, as shown on the plan of receiving basins, furnished and set.

19 additional cast iron hoods for basin traps, as shown on the plan of receiving basins, furnished and set.

100 linear feet of additional one and one-quarter (1¼) inch galvanized iron bars for basin inlets, furnished and placed.

50 square feet of three (3) inch bluestone flag for tops of basin traps, furnished and placed.

20 square feet of two (2) inch bluestone flag for basin traps, furnished and placed.

100 square feet of three (3) inch bluestone flag for sidewalks, furnished and placed, on steam ashes, four (4) inches deep.

50 square yards of additional cobble pavement for gutters furnished and laid in sand foundation.

100 square yards of new macadam pavement.

170 square yards of block pavement on concrete foundation, restored.

25 square yards of block pavement on sand foundation, restored.

3,725 square yards of macadam pavement, restored.

850 square feet of sidewalk pavement, restored.

2 wrought iron gratings, furnished and placed, as shown on plan of the work.

The time for the completion of the work, and the full performance of the contract is three hundred (300) days.

The amount of security required is Thirty-five Thousand Six Hundred Dollars ($35,600).

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO CONSTRUCT A SYSTEM OF TEMPORARY COMBINED SEWERS WITH ALL THE NECESSARY APPURTENANCES AS FOLLOWS:: IN NEW YORK AVE., FROM MAPLE AVE. TO PENNSYLVANIA AVE.; AND OTHER STREETS, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantity and quality of the material, and the nature and extent, as near as possible, of the work required, is as follows:

258 linear feet of flat top reinforced concrete sewer of 4 feet by 3 feet interior diameter, all complete, as per section on plan of the work.

1,350 linear feet of egg shaped, reinforced concrete sewer of 2 feet 6 inches by 3 feet 9 inches interior diameter, all complete, as per section on plan of the work.

252 linear feet of egg shaped, reinforced concrete sewer of 2 feet by 3 feet interior diameter, all complete, as per section on plan of the work.

602 linear feet of salt-glazed vitrified pipe sewer of twenty (20) inches interior diameter, all complete, as per section on plan of the work.

430 linear feet of salt-glazed vitrified pipe sewer of eighteen (18) inches interior diameter, all complete, as per section on plan of the work.

1,488 linear feet of salt-glazed vitrified pipe sewer of fifteen (15) inches interior diameter, all complete, as per section on plan of the work.

1,790 linear feet of salt-glazed vitrified pipe sewer of ten (10) inches interior diameter, all complete, as per section on plan of the work.

136 linear feet of salt-glazed vitrified pipe sewer of eight (8) inches interior diameter, all complete, as per section on plan of the work.

225 linear feet of salt-glazed vitrified pipe sewer of eight (8) inches interior diameter, to be laid in old brick sewer in New York ave., between Maple ave. and Chestnut ave., all complete, including the connecting of existing house sewers.

21 reinforced concrete receiving basins with one and one-quarter (1¼) inch galvanized wrought iron bars and iron traps, all complete, as shown on plans on file in the office of the Commissioner of Public Works, and connected with the sewer.

27 manholes, complete, as per section on plan of the work.

1 manhole on flat top sewer complete, as per section on plan of the work.

2 flush tanks with six (6) inch Miller siphons set complete, as per section on plan of the work.

600 linear feet of piles, furnished, driven and cut.

5,000 (B. M.) feet of yellow pine foundation timber and planking, in place and secured.

15,000 (B. M.) feet of spruce planking in place and secured.

100,000 (B. M.) feet of sheeting, retained.

250 cubic yards of concrete, in place.

5 cubic yards of brick masonry.

400 cubic yards of additional excavation.

50 cubic yards of additional filling.

2,000 pounds of additional reinforcing metal, equal and similar to Nos. 4 and 10 expanded metal, furnished and placed.

4,000 pounds of additional reinforcing metal, equal and similar to corrugated or deformed steel rods, furnished and placed.

225 linear feet of new 5-inch by 16-inch bluestone curb, furnished and set in concrete foundation.

50 linear feet of new 5-inch by 16-inch bluestone curb, furnished and set in sand foundation.

100 linear feet of house sewers (not intercepted) extended and connected.

1,200 linear feet of six (6) inch vitrified pipe underdrain, furnished and placed, complete, as per section on plan of the work.

30 linear feet of additional twelve (12) inch vitrified culvert pipe, furnished and laid, complete.

30 linear feet of additional ten (10) inch vitrified culvert pipe, furnished and laid, complete.

15 linear feet of eighteen (18) inch vitrified sewer pipe, relaid.

15 linear feet of twelve (12) inch vitrified sewer pipe, relaid.

60 square feet of additional reinforced concrete slab for basin tops, four (4) inches thick, as shown on the plan of receiving basins.

10 linear feet of additional one and one-quarter (1¼) inch galvanized iron bars for basin inlets, furnished and placed.

2 additional cast iron rings and covers for basin tops, as shown on the plan of receiving basins, furnished and set.

1 additional cast iron hood for basin traps as shown on the plan of receiving basins, furnished and set.

1,375 square yards of macadam pavement, restored.

25 square yards of block pavement on sand foundation, restored.

355 square yards of sheet asphalt on six (6) inch concrete foundation, restored.

1,180 square yards of asphalt block pavement on six (6) inch concrete foundation, restored.

880 square feet of sidewalk pavement, restored.

50 linear feet of curb, reset.

The time for the completion of the work and the full performance of the contract is one hundred and sixty (160) days.

The amount of security required is Seventeen Thousand Dollars ($17,000).

The contracts must be bid for separately and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bidders are requested to make their bids or estimates upon the blank form prepared by the President, a copy of which, with the proper envelope in which to enclose the bid, can be obtained upon application therefor at the office of the Engineer. The plans and the contract, including the specifications, in the form approved by the Corporation Counsel, may be seen, and other information obtained at the office of the Engineer of the Borough of Richmond, Borough Hall, St. George, S. I.

GEORGE CROMWELL, President.
The City of New York, January 29, 1912.
j31,f13

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES.

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock noon on

TUESDAY, FEBRUARY 20, 1912,

CONTRACT No. 1316.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING HORSES WITH HARNESS AND DRIVERS FOR CARTING COAL TO AND REMOVING ASHES, ETC., FROM THE MUNICIPAL FERRYBOATS IN THE BOROUGHS OF BROOKLYN AND RICHMOND.

The time for the completion of the work and the full performance of the contract is on or before December 31, 1912.

The amount of security required is as follows:

Class 1. For about 7,500 days' services of horse, harness and driver, the sum of $7,500.

Class 2. For about 2,600 days' services of horse, harness and driver, the sum of $2,500.

The bidder shall state, both in writing and in figures, a price per day of eight hours for one horse, with harness and driver in the class upon which a bid is submitted. The awards, if made, will be made in each class to the bidder whose price per day is the lowest in the class and whose bid is regular in all respects. The bidder may bid on one or both classes, as each class is a separate and distinct contract in itself.

Delivery will be required to be made and work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.
Dated February 3, 1912. j7,20

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock noon, on

THURSDAY, FEBRUARY 8, 1912

CONTRACT NO. 1312.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR DREDGING ABOUT 25,000 CUBIC YARDS IN THE BOROUGHS OF MANHATTAN, BROOKLYN, QUEENS, THE BRONX AND RICHMOND.

The time for the completion of the work and the full performance of the contract is on or before the expiration of December 31, 1912.

The amount of security required is Seven Thousand Five Hundred Dollars ($7,500).

The bidder shall state, both in writing and in figures, a price per cubic yard for doing all of the work described and specified, by which price the bids will be tested and award, if made, will be made to the bidder whose price per cubic yard is the lowest and whose bid is regular in all respects. In case of discrepancy between the written price and that given in figures the price in writing will be considered as the bid.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.
Dated January 25, 1912. j27,f8

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock noon on

THURSDAY, FEBRUARY 8, 1912,
Borough of Manhattan,

CONTRACT No. 1306.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR BUILDING A NEW PIER AND REPAIRING THE CRIB BULKHEAD AT THE FOOT OF W. 135TH ST., NORTH RIVER, BOROUGH OF MANHATTAN, AND FOR DEPOSITING RIPRAP AND WASHED COBBLE THEREAT.

The time for the completion of the work and the full performance of the contract and the amount of security required are as follows:

Class 1—For building pier and repairing crib bulkhead, the sum of $20,000; time, two hundred and ten (210) calendar days.

Class 2—For furnishing and depositing about 20,000 cubic yards of riprap, the sum of $4,000; time, ninety (90) calendar days.

Class 3—For furnishing and depositing about 8,500 cubic yards of washed cobble, the sum of $2,500; time, thirty (30) calendar days.

The bidder shall state, both in writing and in figures, his price for doing the work called for in the class on which he submits his bid, i. e., a total or aggregate price for furnishing labor and material and doing all of the work called for under Class 1, and a price per cubic yard for furnishing and depositing the material called for under Classes 2 and 3.

The bidder may bid on one or more classes as each class is a separate and distinct contract in itself, and awards, if made, will be made in each class to the lowest bidder whose bid is regular in all respects.

In case of discrepancy between the written price and that given in figures the price in writing will be considered as the bid.

Work must be done and delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.
Dated January 25, 1912. j27,f8

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock noon on

THURSDAY, FEBRUARY 8, 1912,

CONTRACT No. 1318.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING OILS.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 60 calendar days.

The amount of security required is as follows:

Class 1. For 20,000 gallons of marine engine oil, the sum of $2,500.

The bidder shall state both in writing and in figures a total price for furnishing all of the material called for in the class. This class is a separate and distinct contract in itself, and if awarded, will be awarded to the bidder whose price for furnishing all of the material called for in the class is the lowest and whose bid is regular in all respects.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.

Dated January 26, 1912. j27,f8

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION.

DEPARTMENT OF EDUCATION, CORNER OF PARK AVE. AND 59TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education, until 3 o'clock p. m. on

MONDAY, FEBRUARY 19, 1912, Borough of Brooklyn,

No. 1. FOR ITEM 1, GENERAL CONSTRUCTION, ALSO ITEM 2, PLUMBING AND DRAINAGE OF NEW PUBLIC SCHOOL 173, ON THE EAST SIDE OF PENNSYLVANIA AVE., ABOUT 50 FEET SOUTH OF LIBERTY AVE., BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be 275 working days, as provided in the contract.

The amount of security required is as follows:

Item 1, $100,000; Item 2, $8,000.

A separate proposal must be submitted for each item, and award will be made thereon.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent at Estimating Room, Park ave. and 59th st., Borough of Manhattan, and also at Branch office, 131 Livingston st., Borough of Brooklyn.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated February 6, 1912. f6,19

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVE. AND 59TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until 3 o'clock p. m. on

MONDAY, FEBRUARY 19, 1912, Borough of The Bronx,

No. 2. FOR THE GENERAL EXCAVATION, ETC. (CONTRACT NO. 1), OF NEW PUBLIC SCHOOL 50, ON BRYANT AND VYSE AVES., ABOUT 175 FEET SOUTH OF EAST 173D STREET, BOROUGH OF THE BRONX.

The time allowed to complete the whole work will be 100 working days as provided in the contract.

The amount of security required is $20,000.

Note—Bidders must name a price per unit of measurement for excavation, which shall include the cost of surveyor's fees, all shoring, underpinning, sheet piling, pumping, removal of all other materials and work incident to the execution of this contract (except sewer connections, water main, workman's water closet, etc.), and shall include the leveling up with concrete all excavations under walls and piers, which may have been excavated to a lower depth than required, back filling of sewer trench, repaving street, etc.; amounts shall be given, both in writing and figures, for each of the following items, where prices are called for, and any bid which fails to do so, will be held to be informal and will be rejected. In case of any discrepancy between the price writen in the bid and that given in figures, the price in writing will be considered as the bid. Bidders shall also furnish an estimate for the installation of the house sewer, trap, sewer connections, water main, workman's water closet, etc., all complete, as shown on plans or called for hereinafter in the specifications. The estimate of the work to be done and by which the bids will be tested is as follows:

First Item—15,906 cubic yards of excavation of rock, earth, useless material, etc., approximate.

Second Item—Installation of house sewer, water main, workman's water closet, etc.

The prices bid are to include and cover the furnishing of all the necessary materials and labor and the performance of all the work set forth in the plans and specifications.

Borough of Manhattan,

No. 3. FOR THE GENERAL EXCAVATION, ETC. (CONTRACT No. 1), OF NEW PUBLIC SCHOOL 115, ON 176TH AND 177TH STS., ABOUT 100 FEET EAST OF ST. NICHOLAS AVE., BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be 165 working days, as provided in the contract.

The amount of security required is $25,000.

Note—Bidders must name a price per unit of measurement, which shall include the cost of surveyor's fees, all shoring, underpinning, sheet piling, pumping, removal of old foundation walls, and all other materials and work incident to the execution of this contract, also the leveling up with concrete all excavations under walls, columns and piers, which may have been excavated to a lower depth than required, both in writing and figures, for each of the following items, where prices are called for, and any bid which fails to do so, will be held to be informal and will be rejected. In case of any discrepancy between the price written in the bid and that given in figures, the price in writing will be considered as the bid. The estimate of the work to be done, and by which the bids will be tested, is as follows: Twenty-nine thousand one hundred and twenty-six cubic yards of excavation of rock, earth, useless material, etc., approximate.

The prices bid are to include and cover the furnishing of all the necessary materials and labor, and the performance of all the work set forth in the plans and specifications.

No. 4. FOR FURNISHING AND DELIVERING GLASS TO VARIOUS SCHOOLS IN THE BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be forty working days as provided in the contract.

The amount of security required is $1,800.

The bid to be submitted must include the entire work on all schools, and award will be made thereon.

On Nos. 3 and 4, the bids will be compared, and the contract will be awarded in a lump sum to the lowest bidder on each contract.

On No. 2, the bidders must state the price of each item by which the bids will be tested.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent at Estimating Room, 9th floor, Hall of the Board of Education, Park ave. and 59th st., Borough of Manhattan.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated February 6, 1912. f6,19

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, PARK AVENUE AND 59TH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the above office of the Department of Education until 3 p. m., on

WEDNESDAY, FEBRUARY 14, 1912,

FOR FURNISHING AND OPERATING STAGES OR OTHER CONVEYANCES TO CONVEY PUPILS TO AND FROM THE SCHOOLS OF THE CITY OF NEW YORK, IN THE BOROUGH OF QUEENS.

The time for the performance of the contract is prior to December 31, 1912.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder may quote on conveyance other than by stage. If by stage, the price per day must be quoted. If by trolley, or other conveyance, the price per pupil per day and the manner in which it is intended to convey the pupils must be stated. If it is intended to convey by special car over a particular route, the price per day must be stated, and such other information must be furnished as will enable the Committee on Supplies to reach a proper determination.

In the event of a school or schools being closed, the contract shall be terminated as to that school or schools.

Awards will be made to the lowest bidder on each item.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Board of Education, Borough of Manhattan, southwest corner of Park ave. and 59th st.

PATRICK JONES, Superintendent of School Supplies. f2,14

Dated February 2, 1912.

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVE. AND 59TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until 3 o'clock p. m. on

TUESDAY, FEBRUARY 13, 1912,

Borough of The Bronx,

No. 1. FOR THE GENERAL CONSTRUCTION, ETC., OF ADDITIONS TO AND ALTERATIONS IN PUBLIC SCHOOL 39, ON THE NORTHERLY SIDE OF LONGWOOD AVE., BETWEEN KELLEY AND BECK STS., BROUGH OF THE BRONX.

The time allowed to complete the whole work will be 250 working days as provided in the contract.

The amount of security required is $100,000.

No. 2. FOR FIRE-STOPS IN THE ATTICS OF VARIOUS SCHOOLS IN THE BOROUGH OF THE BRONX.

The time allowed to complete the whole work on each item will be 60 working days, as provided in the contract.

The amount of security required is as follows:

Item 1, $800; Item 2, $600.

A separate proposal must be submitted for each item, and award will be made thereon.

Borough of Manhattan,

No. 3. FOR ITEM 1, INSTALLING HEATING AND VENTILATING APPARATUS, AND ITEM 2, INSTALLING TEMPERATURE REGULATION IN NEW PUBLIC SCHOOL 61, ON THE SOUTHERLY SIDE OF E. 12TH ST., ABOUT 82 FEET EAST OF AVENUE B, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work for each item will be 200 working days, as provided in the contract.

The amount of security required is as follows:

Item 1, $20,000; Item 2, $1,600.

A separate proposal must be submitted for each item, and award will be made thereon.

On No. 1 the bids will be compared and the contract will be awarded in a lump sum to the lowest bidder.

On Nos. 2 and 3, the bidders must state the price of each item, by which the bids will be tested.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent at Estimating Room, 9th floor, Hall of the Board of Education, Park ave. and 59th st., Borough of Manhattan.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated January 31, 1912. j31,f13

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

SUPREME COURT—FIRST DEPARTMENT.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of HAVILAND AVENUE, from Virginia avenue to Zerega avenue; of BLACKROCK AVENUE, from Virginia avenue to the bulkhead line of Westchester Creek; of CHATTERTON AVENUE, from Virginia avenue to the bulkhead line of Westchester Creek; and of WATSON AVENUE, from Classon Point road to Havemeyer avenue, and from the unnamed street west of Zerega avenue to the bulkhead line of Westchester Creek, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, First Department, bearing date the 29th day of January, 1912, and duly entered and filed in the office of the Clerk of the County of New York on the 5th day of February, 1912, Louis D. Gibbs was appointed a Commissioner of Estimate and the Commissioner of Assessment in the above-entitled proceeding in the place and stead of William E. Morris, resigned.

Notice is further given that the said Louis D. Gibbs will attend at a Special Term, Part II., of the Supreme Court of the State of New York, First Department, to be held at the County Court House in the Borough of Manhattan, in The City of New York, on the 21st day of February, 1912, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel or by any other person having any interest in the said proceeding as to his qualification to act as a Commissioner of Estimate and the Commissioner of Assessment in the above-entitled proceeding.

Dated February 8, 1912.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York. f8,20

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of MAGENTA STREET (although not yet named by proper authority), from White Plains road to Colden avenue; and Bartholdi street, from White Plains road to Bronxwood avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE final reports of the Commissioners of Estimate and of the Commissioner of Assesment in the above-entitled matter will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III., to be held in the County Court House in the Borough of Manhattan in The City of New York, on the 15th day of February, 1912, at 10.30 o'clock in forenoon of that day; and that the said final reports have been deposited in the Office of the Clerk of the County of New York, there to remain for and during the space of five days, as required by law.

Dated Borough of Manhattan, New York, February 8, 1912.

JAMES H. GOGGIN, JEAN WEIL, WM. GARROW FISHER, Commissioners of Estimate.

WM. GARROW FISHER, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. f8,14

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of EAST TWO HUNDRED AND SEVENTH STREET, from Woodlawn road to Perry avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 26th day of February, 1912, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 28th day of February, 1912, at 11 o'clock a. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 26th day of February, 1912, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 29th day of February, 1912, at 11 o'clock a. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 20th day of November, 1908, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of East Two Hundred and Seventh street, the said distance being measured at right angles to the line of East Two Hundred and Seventh street, and by the prolongations of the said line; on the east by a line distant 100 feet easterly from and parallel with the easterly line of Perry avenue, the said distance being measured at right angles to the line of Perry avenue; on the south by a line midway between East Two Hundred and Sixth street and East Two Hundred and Seventh street and by the prolongations of the said line; and on the west by a line distant 100 feet westerly from and parallel with the westerly line of Woodlawn road, the said distance being measured at right angles to the line of Woodlawn road (excepting, however, from the above described area so much of it as is exempt from assessment under the provisions of section 992 of the Charter).

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 28th day of February, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III., to be held in the County Court House in the Borough of Manhattan, in The City of New York, on the 18th day of April, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, February 1, 1912.

GERALD J. BARRY, Chairman; SAMUEL H. KANNER, PHILIP EMRICH, Commissioners of Estimate; GERALD J. BARRY, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. f3,23

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of EAST ONE HUNDRED AND NINETIETH STREET (St. James street), from Jerome avenue to Creston avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, First Department, bearing date the 29th day of January, 1912, and duly entered and filed in the office of the Clerk of the County of New York on the 1st day of February, 1912, Edward J. McDonald was appointed a Commissioner of Estimate and the Commissioner of Assessment in the above-entitled proceeding in the place and stead of Timothy E. Cohalan, resigned.

Notice is further given that, pursuant to the said order, the said Edward J. McDonald will attend at a Special Term, Part II. of the Supreme Court of the State of New York, First Department, to be held at the County Court House in the Borough of Manhattan in The City of New York on the 19th day of February, 1912, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel of The City of New York or by any other person having any interest in the said proceeding as to his qualifications to act as such Commissioner in the above-entitled proceeding.

Dated New York, February 5, 1912.

ARCHIBALD R. WATSON, Corporation Counsel; Office and Post Office Address, Hall of Records, Borough of Manhattan, City of New York. f5,16

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of LYVERE STREET, between Zerega avenue and West Farms road, in the Twenty-fourth Ward, Borough of The Bronx, City of New York; FULLER STREET, between Zerega avenue and Seddon street, in the Twenty-fourth Ward, Borough of The Bronx, City of New York; BUCK STREET, between Zerega avenue and Seventh street, in the Twenty-fourth Ward, Borough of The Bronx, City of New York; MACLAY AVENUE, between Parker street and West Farms road, in the Twenty-fourth Ward, Borough of The Bronx, City of New York; STEARNS STREET, between Glover street and Parker street, in the Twenty-fourth Ward, Borough of The Bronx, City of New York; DORSEY STREET (Carroll lane or place), between Zerega avenue and 7th street, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, First Department, bearing date the 29th day of January, 1912, and duly entered and filed in the office of the Clerk of the County of New York on the 1st day of February, 1912, Max Bendit was appointed a Commissioner of Estimate in the above entitled proceeding in the place and stead of Robert C. Wood, resigned.

Notice is further given that, pursuant to the said order the said Max Bendit will attend at a Special Term, Part II. of the Supreme Court of the State of New York, First Department, to be held at the County Court House in the Borough of Manhattan in The City of New York, on the 19th day of February, 1912, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel of The City of New York or by any other person having any interest in the said proceeding as to his qualifications to act as such Commissioner in the above-entitled proceeding.

Dated New York, February 5, 1912.

ARCHIBALD R. WATSON, Corporation Counsel; Office and Post Office Address, Hall of Records, Borough of Manhattan, City of New York. f5,16

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee to the lands, tenements and hereditaments required for the opening and extending of BRITTON STREET, from Bronx Park East to White Plains road in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, First Department, bearing date the 29th day of January, 1912, and duly entered and filed in the office of the Clerk of the County of New York on the 1st day of February, 1912, Honorable Ernest Hall, James F. Donnelly and Albert Kraemer were appointed Commissioners of Estimate in the above entitled proceeding, and that in and by the said order Hon. Ernest Hall was appointed the Commissioner of Assessment.

Notice is further given that pursuant to the statutes in such cases made and provided the said Hon. Ernest Hall, James F. Donnelly and Albert Kraemer will attend at a Special Term, Part II. of the Supreme Court of the State of New York, First Department, to be held at the County Court House in the Borough of Manhattan in the City of New York on the 16th day of February, 1912, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel of The City of New York or by any other person having any interest in the said proceeding as to their qualifications to act as such Commissioners in the above entitled proceeding.

Dated New York, February 3, 1912.

ARCHIBALD R. WATSON, Corporation Counsel, Office and Postoffice Address, Hall of Records, Borough of Manhattan, City of New York. f3,15

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of SEDGWICK AVENUE, from Jerome avenue to a line between the Twenty-third and Twenty-fourth Wards, at West 169th street, where not already acquired in the Twenty-third Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing duly verified, with them at their office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 23d day of February, 1912, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 26th day of February, 1912, at 3 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 23d day of February, 1912, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 27th day of February, 1912, at 2 o'clock, p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 20th day of November, 1908, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz:

Beginning at a point on the easterly bulkhead line of the Harlem River where it is intersected by the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of Commerce avenue, as laid out immediately west of and adjacent to Sedgwick avenue, the said distance being measured at right angles to the line of Commerce avenue, and running thence eastwardly along the said line parallel with Commerce avenue to the intersection with the easterly line of Undercliff avenue; thence eastwardly and at right angles to the line of Undercliff avenue to a point distant 100 feet easterly from the easterly line of Aqueduct avenue, the said distance being measured at right angles to the line of Aqueduct avenue; thence southwardly and always distant 100 feet easterly from and parallel with the easterly line of Aqueduct avenue and the easterly line of Lind avenue, as laid out north of West 169th street, and along the prolongation of the latter line to the intersection with a line midway between Graham square and West 167th street; thence southeastwardly along the said line midway between Graham square and West 167th street and the prolongation thereof to the intersection with the prolongation of a line midway between Graham square and Lind avenue; thence southwardly along the said line midway between Graham square and Lind avenue and the prolongation thereof to the intersection with the prolongation of a line midway between West 166th street and West 167th street; thence eastwardly along the said line midway between West 166th street and West 167th street and the prolongation thereof to the intersection with the prolongation of a line midway between Summit avenue and Ogden avenue; thence southwardly along the said line midway between Summit avenue and Ogden avenue and the prolongations thereof to the intersection with a line always distant 100 feet northeasterly from and parallel with the northeasterly line of Sedgwick avenue and Exterior street, the said distance being measured at right angles respectively to the lines of Sedgwick avenue and Exterior street; thence southeastwardly along the said line parallel with Sedgwick avenue and Exterior street to the intersection with a line distant 100 feet southeasterly from and parallel with the southeasterly line of Jerome avenue, the said distance being measured at right angles to the line of Jerome avenue; thence southwestwardly along the said line parallel with Jerome avenue to the intersection with the easterly bulkhead line of the Harlem River; thence northwardly along the said bulkhead line to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 23d day of February, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III., to be held in the County Court House in the Borough of Manhattan, in The City of New York, on the 23d day of April, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated, Borough of Manhattan, New York, January 30, 1912.

PETER L. MULLALY, Chairman; JOHN GIBSON, SR., B. HARTMAN, Commissioners of Estimate; PETER L. MULLALY, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. f2,20

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of BUENA VISTA AVENUE, from its junction with Haven avenue, at or near West 171st street to West 176th street; of WEST 172D STREET, from Fort Washington avenue to Buena Vista avenue; and of WEST 173D STREET, from Fort Washington avenue to Buena Vista avenue, in the Twelfth Ward, Borough of Manhattan, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing duly verified, with them at their office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 23d day of February, 1912, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 26th day of February, 1912, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 23d day of February, 1912, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 27th day of February, 1912, at 2 o'clock, p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 18th day of June, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Manhattan, in The City of New York, which, taken together, are bounded and described as follows, viz:

Beginning at a point on the prolongation of a line midway between West 171st street and West 172d street distant 160 feet westerly from the easterly line of Haven avenue, the said distance being measured at right angles to Haven avenue, and running thence northwardly and always distant 160 feet westerly from and parallel with the easterly lines of Haven avenue and Buena Vista avenue to the intersection with the prolongation of a line midway between West 176th street and West 177th street, as these streets are laid out east of and adjoining Buena Vista avenue; thence eastwardly along the said line midway between West 176th street and West 177th street, and along the prolongation of the said line, to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the easterly line of Buena Vista avenue and the westerly line of the unnamed avenue between Buena Vista avenue and Fort Washington avenue, as these streets are laid out between West 176th street and West 177th street; thence southwardly along the said bisecting line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the centre lines of West 173d street and West 175th street, as these streets are laid out between Buena Vista avenue and Fort Washington avenue; thence eastwardly along the said bisecting line to a point distant 100 feet easterly from the easterly line of Fort Washington avenue, the said distance being measured at right angles to Fort Washington avenue; thence southwardly and always distant 100 feet easterly from and parallel with the easterly line of Fort Washington avenue to the intersection with a line parallel with West 172d street, and passing through the point of beginning; thence westwardly along the said line parallel with West 172d street to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 26th day of February, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III., to be held in the County Court House in the Borough of Manhattan, in The City of New York, on the 12th day of April, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated, Borough of Manhattan, New York, January 29, 1912.

W. T. EMMET, Chairman, ABEL C. THOMAS, Commissioners of Estimate; W. T. EMMET, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. f2,20

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose, in fee, to the lands, tenements and hereditaments required for the opening and extending of BENSON AVENUE (Madison avenue), from West Farms road to Lane avenue, in the Twenty-fourth Ward, Borough of The Bronx, in The City of New York; OVERING AVENUE (Washington avenue), from West Farms road to Westchester avenue, in the Twenty-fourth Ward, Borough of The Bronx, in The City of New York; ST. PETERS AVENUE (Union avenue), from Westchester avenue to West Farms road, in the Twenty-fourth Ward, Borough of The Bronx, in The City of New York; SEDDON STREET (Tryon row), from St. Raymond avenue (Fourth street), to West Farms road, in the Twenty-fourth Ward, Borough of The Bronx, in The City of New York; ROWLAND STREET (Washington avenue), from Westchester avenue to St. Raymond avenue (Fourth street), in the Twenty-fourth Ward, Borough of The Bronx, in The City of New York; HUBBELL STREET (Washington avenue), from Dorsey street (Carroll lane) to Maclay avenue (Fifth street), in the Twenty-fourth Ward, Borough of The Bronx, in The City of New York.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 15th day of February, 1912, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by law.

Dated Borough of Manhattan, New York, February 1, 1912.

FRANCIS V. S. OLIVER, EDWARD D. DOWLING, WM. F. A. KURZ, Commissioners of Estimate.

EDWARD D. DOWLING, Commissioner of Assessment. f1,13

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of EAST ONE HUNDRED AND SEVENTY-SEVENTH STREET, OR WYATT STREET (although not yet named by proper authority), from Tremont avenue to Morris Park avenue; and BRONX PARK AVENUE (Berrian street), from Tremont avenue to Morris Park avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House in the Borough of Manhattan in The City of New York, on the 14th day of February, 1912, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by law.

Dated Borough of Manhattan, New York, January 30, 1912.

FRANK A. SPENCER, JR., THOMAS J. FORD, ANDREW J. CARSON, Commissioners of Estimate.

FRANK A. SPENCER, JR., Commissioner of Assessment.

JOEL J. SQUIER, Clerk. j30,f9

SUPREME COURT—SECOND DEPARTMENT.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to amending its application heretofore made in the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of PUTNAM AVENUE (although not yet named by proper authority), from the Brooklyn Borough line to Fresh Pond road, in the Second Ward, Borough of Queens, City of New York, as amended, so as to conform to the lines of said street, as shown upon sections 15, 29 and 30 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909, so as to relate to said Putnam avenue, as shown upon a map or plan adopted by the Board of Estimate and Apportionment on the 26th day of January, 1911, and approved by the Mayor on the 3d day of February, 1911.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, Second Department, at a Special Term of said Court to be held for the hearing of motions at the County Court House, in the Borough of Brooklyn, City of New York, on the 21st day of February, 1912, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for an order amending the proceeding entitled "In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of Linden street (although not yet named by proper authority), from the Brooklyn Borough line to Fresh Pond road, in the Second Ward, Borough of Queens, City of New York, as amended, so as to conform to the lines of said street, as shown upon the Final Maps of Sections 15, 16 and 29 of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909," so as to relate to said Linden street as shown upon the map or plan adopted by the Board of Estimate and Apportionment on the 26th day of January, 1911, and approved by the Mayor on the 3d day of February, 1911.

Linden street, extending from the Brooklyn Borough line to Fresh Pond road, in the Second Ward, Borough of Queens, City of New York, is laid down upon the following sections of the Final Maps of the Borough of Queens:

Section No.	Adopted by Board of Estimate and Apportionment.	Filed at County Clerk's Office, Jamaica.	Filed at Borough President's Office.
15	May 21, 1909	August 10, 1909	August 13, 1909
16	May 21, 1909	August 10, 1909	August 13, 1909
29	December 15, 1910	April 6, 1911	April 7, 1911
Amendment to 16	January 26, 1911	March 23, 1911	March 20, 1911

—and is bounded and described as follows:

Beginning at a point formed by the intersection of the easterly line of Fresh Pond road with the southerly line of Linden street;

Running thence northerly tor 61.16 feet along the easterly line of Fresh Pond road to the northerly line of Linden street;

Thence westerly deflecting to the left 79 degrees 4 minutes 26 seconds for 1493.32 feet along the northerly line of Linden street to the easterly line of Forest avenue;

Thence northwesterly deflecting to the right 38 degrees 51 seconds 22 minutes for 86.20 feet to the westerly line of Forest avenue;

Thence southwesterly deflecting to the left 73 degrees 38 minutes 32 seconds for 799.46 feet along the northwesterly line of Linden street to the northeasterly line of Fairview avenue;

Thence southwesterly deflecting to the right 1 degree 6 minutes 21 seconds for 60.86 feet along the northwesterly line of Linden street to the southwesterly line of Fairview avenue;

Thence southwesterly deflecting to the left 1 degree 14 minutes 30 seconds for 436.88 feet along the northwesterly line of Linden street to the northeasterly line of Woodward avenue;

Thence southwesterly deflecting to the right 1 minute 5 seconds for 60.05 feet along the northwesterly line of Linden street to the southwesterly line of Woodward avenue;

Thence southwesterly deflecting to the right 7 minutes 4 seconds for 2060.58 feet along the northwesterly line of Linden street to the line between the Boroughs of Brooklyn and Queens;

Thence southerly deflecting to the left 69 degrees 40 minutes 46 seconds for 64.04 feet along the line between the Boroughs of Brooklyn and Queens to the southeasterly line of Linden street;

Thence northeasterly deflecting to the left 110 degrees, 19 minutes 14 seconds for 2082.97 feet along the southeasterly line of Linden street to the southwesterly line of Woodward avenue;

Thence northeasterly deflecting to the left 7 minutes 4 seconds for 60.05 feet along the southeasterly line of Linden street to the northeasterly line of Woodward avenue;

Thence northeasterly deflecting to the left 1 minute 5 seconds for 436.74 feet along the southeasterly line of Linden street to the southwesterly line of Fairview avenue;

Thence northeasterly deflecting to the right 1 degree 14 minutes 30 seconds for 60.06 feet along the southeasterly line of Linden street to the northeasterly line of Fairview avenue;

Thence northeasterly deflecting to the left 1 degree 6 minutes 21 seconds for 767.80 feet along the southeasterly line of Linden street to the westerly line of Forest avenue;

Thence southeasterly deflecting to the right 70 degrees 14 seconds for 81.07 feet to the easterly line of Forest avenue;

Thence easterly for 1497.56 feet along the southerly line of Linden street to the easterly line of Fresh Pond road, the point or place of beginning.

Dated New York, February 8, 1912.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York. f8,20

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to amending its application heretofore made in the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of PUTNAM AVENUE (although not yet named by proper authority), from the Brooklyn Borough line to Fresh Pond road, in the Second Ward, Borough of Queens, City of New York, as amended, so as to conform to the lines of said street, as shown upon sections 15, 29 and 30 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909, so as to relate to said Putnam avenue, as shown upon a map or plan adopted by the Board of Estimate and Apportionment on the 26th day of January, 1911, and approved by the Mayor on the 3d day of February, 1911.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, Second Department, at a Special Term of said Court to be held for the hearing of motions at the County Court House, in the Borough of Brooklyn, City of New York, on the 21st day of February, 1912, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for an order amending the proceeding entitled "In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of Putnam avenue (although not yet named by proper authority), from Brooklyn Borough line to Fresh Pond road, in the Second Ward, Borough of Queens, City of New York, as amended, so as to conform to the lines of said street, as shown upon Sections 15, 29 and 30 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909," so as to relate to said Putnam avenue, as shown upon a map or plan adopted by the Board of Estimate and Apportionment on the 26th day of January, 1911, and approved by the Mayor on the 3d day of February, 1911.

Putnam avenue, extending from Brooklyn Borough line to Fresh Pond road, in the Second Ward, Borough of Queens, City of New York, is laid down upon the following sections of the Final Maps of the Borough of Queens:

Section No.	Adopted by Board of Estimate and Apportionment.	Filed at County Clerk's Office, Jamaica.	Filed at Borough President's Office.
15	May 21, 1909	August 10, 1909	August, 13, 1909
30	May 21, 1909	August 10, 1909	August, 13, 1909
29	December 15, 1910	April 6, 1911	April 7, 1911
Amendment to 15	July 1, 1910	August 23, 1910	August 24, 1910
Amendment to 30	January 26, 1911	March 23, 1911	March 20, 1911

—and is bounded and described as follows:

Parcel "A."

Beginning at a point formed by the intersection of the line between the Boroughs of Brooklyn and Queens with the southeasterly line of Putnam avenue;

Running thence northerly for 64.49 feet along the line between the Boroughs of Brooklyn and Queens to the northwesterly line of Putnam avenue;

Thence northeasterly deflecting to the right 68 degrees 38 minutes 16 seconds for 105.01 feet along the northwesterly line of Putnam avenue to the southwesterly line of Wyckoff avenue;

Thence northeasterly deflecting to the right 32 minutes 34 seconds for 60.07 feet along the northwesterly line of Putnam avenue to the northeasterly line of Wyckoff avenue;

Thence northeasterly deflecting to the right 31 minutes 29 seconds for 2389.51 feet along the northwesterly line of Putnam avenue;

Thence northeasterly deflecting to the left 7 minutes 55 seconds for 449.78 feet along the northwesterly line of Putnam avenue to the southerly line of the right of way of the Lutheran Cemetery Railroad;

Thence easterly deflecting to the right 34 degrees 26 minutes 2 seconds for 106.20 feet along

the right of way of the Lutheran Cemetery Railroad to the southeasterly line of Putnam avenue;

Thence southwesterly deflecting to the right 145 degrees 33 minutes 58 seconds for 537.45 feet along the southeasterly line of Putnam avenue;

Thence southwesterly deflecting to the right 7 minutes 55 seconds for 2387.61 feet along the southeasterly line of Putnam avenue to the northeasterly line of Wyckoff avenue;

Thence southwesterly deflecting to the left 29 minutes 56 seconds for 60.07 feet along the southeasterly line of Putnam avenue to the southwesterly line of Wyckoff avenue;

Thence southwesterly for 129.39 feet along the southeasterly line of Putnam avenue to the line between the Boroughs of Brooklyn and Queens, the point or place of beginning.

Parcel "B."

Beginning at a point formed by the intersection of the westerly line of Fresh Pond road with the northerly line of Putnam avenue;

Running thence southerly for 60.15 feet along the westerly line of Fresh Pond road to the southerly line of Putnam avenue;

Thence westerly deflecting to the right 93 degrees 14 minutes 53 seconds for 810.40 feet along the southerly line of Putnam avenue;

Thence westerly deflecting to the left 3 degrees 27 minutes 15 seconds for 641.49 feet along the southerly line of Putnam avenue to the easterly line of Forest avenue;

Thence southerly deflecting to the left 85 degrees 52 minutes 16 seconds for 88.40 feet along the easterly line of Forest avenue to the southeasterly line of Putnam avenue;

Thence southwesterly deflecting to the right 54 degrees 24 minutes 18 seconds for 66.37 feet along the southeasterly line of Putnam avenue to the northerly line of the right of way of the Lutheran Cemetery Railroad;

Thence westerly deflecting to the right 34 degrees 26 minutes 2 seconds for 106.20 feet along the northerly line of the right of way of the Lutheran Cemetery Railroad to the northwesterly line of Putnam avenue;

Thence northeasterly deflecting to the right 145 degrees 33 minutes 58 seconds for 123.11 feet along the northwesterly line of Putnam avenue to the westerly line of Forest avenue;

Thence northerly deflecting to the left 54 degrees 24 minutes 18 seconds for 113.40 feet along the westerly line of Forest avenue to the northerly line of Putnam avenue;

Thence easterly deflecting to the right 85 degrees 52 minutes 16 seconds for 699.17 feet along the northerly line of Putnam avenue;

Thence easterly for 808.80 feet along the northerly line of Putnam avenue to the westerly line of Fresh Pond road, the point or place of beginning.

Dated New York, February 8, 1912.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York. f8,20

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of COLLINS AVENUE (although not yet named by proper authority), from Metropolitan avenue to Flushing avnue, in the Second Ward, Borough of Queens, City of New York, as amended by an order of the Supreme Court duly made and entered in the office of the Clerk of the County of Queens on the 4th day of October, 1910, so as to conform to the lines of said street as shown upon Section 16 of the final maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held for the hearing of motions at the County Court House in the Borough of Brooklyn, in The City of New York, on the 23d day of February, 1912, at 10 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of Queens, there to reamin for and during the space of ten days, as required by law.

Dated Borough of Manhattan, New York, February 8, 1912.

DENIS O'LEARY, CLINTON B. SMITH, JAMES INGRAM, Commissioners of Estimate and Assessment.

WALTER C. SHEPPARD, Clerk. f8,20

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of GRAHAM AVENUE (although not yet named by proper authority), from Jackson avenue to Vernon avenue, in the First Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 31st day of January, 1912, and duly entered and filed in the office of the Clerk of the County of Queens, on the 5th day of February, 1912, James H. Quinlan was appointed a Commissioner of Estimate and Assessment in the above entitled proceeding in the place and stead of James J. Conway, resigned.

Notice is further given that pursuant to the said order the said James H. Quinlan will attend at a Special Term for the hearing of motions of the Supreme Court of the State of New York, Second Department, to be held at the County Court House, in the Borough of Queens, in The City of New York, on the 20th day of February, 1912, at the opening of the court on that day, or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel of The City of New York, or by any other person having any interest in the said proceeding as to his qualifications to act as a Commissioner of Estimate and Assessment in the above entitled proceeding.

Dated, New York, February 7, 1912.

ARCHIBALD R. WATSON, Corporation Counsel, Office and Postoffice Address, Hall of Records, Borough of Manhattan, City of New York. f7,19

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to VAN DEVENTER AVENUE (although not yet named by proper authority), from Old Bowery Bay road to Second avenue, in the First Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 31st day of January, 1912, and duly entered and filed in the office of the Clerk of the County of Queens on the 5th day of February, 1912, Samuel J. Campbell was appointed a Commissioner of Estimate and Assessment in the above-entitled proceeding in the place and stead of James J. Conway, resigned.

Notice is further given that pursuant to the said order the said Samuel J. Campbell will attend at a Special Term for the hearing of motions of the Supreme Court of the State of New York, Second Department, to be held at the County Court House in the Borough of Queens, in The City of New York, on the 20th day of February, 1912, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel of The City of New York, or by any other person having any interest in the said proceeding as to his qualifications to act as a Commissioner of Estimate and Assessment in the above-entitled proceeding.

Dated New York, February 7, 1912.

ARCHIBALD R. WATSON, Corporation Counsel; Office and Post Office Address, Hall of Records, Borough of Manhattan, City of New York. f7,19

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of PROSPECT AVENUE, from Metropolitan avenue to Putnam avenue, in the Second Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing duly verified, with them at their office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 28th day of February, 1912, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 1st day of March, 1912, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 28th day of February, 1912, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 4th day of March, 1912, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 5th day of November, 1909, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the southerly line of Metropolitan avenue midway between Prospect avenue and John street, and running thence northwardly at right angles to Metropolitan avenue, a distance of 166 feet; thence eastwardly and parallel with Metropolitan avenue to the intersection with a line parallel with Prospect avenue as laid out between Metropolitan avenue and Bleecker street, and passing through a point on the northerly side of Bleecker street midway between Prospect avenue and Vincent street; thence southwardly along the said line parallel with Prospect avenue to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southerly line of Ralph street and the northerly line of Grove street, as these streets are laid out between Prospect avenue and Fresh Pond road; thence eastwardly along the said bisecting line to the intersection with a line bisecting the angle formed by the intersection of the prolongation of the easterly line of Prospect avenue and the westerly line of Fresh Pond road, as these streets are laid out between Grove street and Woodbine street; thence southwardly along the said bisecting line to the intersection with the northerly line of Putnam avenue; thence southwardly at right angles to Putnam avenue a distance of 160.05 feet; thence westwardly and always distant 160.05 feet southerly from and parallel with the northerly line of Putnam avenue to the intersection with the prolongation of a line midway between Prospect avenue and Forest avenue, as these streets are laid out between Madison street and Linden street; thence northwardly along the said line midway between Prospect avenue and Forest avenue; and along the prolongations of the said line, to the intersection with a line at right angles to Ralph street and passing through a point on its northerly side midway between Forest avenue and Prospect avenue; thence northwardly along the said line at right angles to Ralph street to the intersection with a line midway between Ralph street and Bleecker street, as these streets are laid out between Forest avenue and Prospect avenue; thence eastwardly along the said line midway between Ralph street and Bleecker street to the intersection with a line parallel with Prospect avenue and passing through the point of beginning; thence northwardly along the said line parallel with Prospect avenue to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, in the Municipal Building, Court House Square, in the Borough of Queens, in said City, there to remain until the 1st day of March, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 18th day of April, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, February 2, 1912.

GEO. A. GREGG, Chairman; EDWARD DUFFY, EDWARD de F. SMITH, Commissioners of Estimate.

GEO. A. GREGG, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. f7,26

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of EIGHTEENTH AVENUE, from Coney Island avenue to the former town line of New Utrecht and Flatbush, in the Twenty-ninth and Thirtieth Wards, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held at the County Court House, in the Borough of Brooklyn, in The City of New York, on the 19th day of February, 1912, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of ten days, as required by law.

Dated, Borough of Brooklyn, New York, February 5, 1912.

THOMAS H. TROY, HARRIS G. EAMES, SOLON BARBANELL, Commissioners of Estimate.

THOMAS H. TROY, Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. f5,16

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of ELY AVENUE, from Nott avenue to Grand avenue, in the First Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to-wit:

First—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing duly verified, with them at their office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 26th day of February, 1912, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 28th day of February, 1912, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 26th day of February, 1912, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 29th day of February, 1912, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 17th day of May, 1907, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the intersection of the prolongation of a line midway between Ely avenue and Van Alst avenue with a line midway between Grand avenue and Taylor street, and running thence southeastwardly and along the said line midway between Grand avenue and Taylor street to the intersection with the prolongation of a line midway between Ely avenue and the Crescent; thence southwestwardly and along the said line midway between Ely avenue and the Crescent and the prolongation thereof, to the intersection with a line midway between Orange street and Graham avenue; thence southeastwardly and along the said line midway between Orange street and Graham avenue to the intersection with the prolongation of a line midway between William street and the Crescent; thence southwestwardly and along the said line midway between William street and the Crescent, and along the prolongation of the said line to the intersection with a line midway between Nott avenue and Twelfth street; thence westwardly and along the said line midway between Nott avenue and Twelfth street to the intersection with a line midway between Ely avenue and Van Alst avenue; thence northwardly and along the said line midway between Ely avenue and Van Alst avenue to the intersection with a line midway between Thirteenth street and Fourteenth street; thence westwardly and along the said line midway between Thirteenth street and Fourteenth street to the intersection with the prolongation of a line midway between Sunswick street and Van Alst avenue; thence northeastwardly and along the said line midway between Sunswick street and Van Alst avenue and the prolongation of the said line to the intersection with a line midway between Graham avenue and Orange street; thence southeastwardly and along the said line midway between Graham avenue and Orange street to the intersection with a line midway between Ely avenue and Van Alst avenue; thence northeastwardly and along the said line midway between Ely avenue and Van Alst avenue and the prolongation of the same to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, in the Municipal Building, Court House Square, in the Borough of Queens, in said City, there to remain until the 28th day of February, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 7th day of May, 1912, at the opening of the court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated, Borough of Manhattan, New York, January 29, 1912.

HARRISON S. MOORE, Chairman; LUKE OTTEN, OTTO HESSLER, Commissioners of Estimate.

HARRISON S. MOORE, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. f5,23

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired to the lands, tenements and hereditaments required for the opening and extending of HIGH STREET (although not yet named by proper authority), from Bielby street to Maspeth avenue, in the Second Ward, Borough of Queens, City of New York, as amended by an order of the Supreme Court, duly made and entered in the office of the Clerk of the County of Queens on the 25th day of June, 1910, so as to conform to the lines of said street as shown upon sections 12 and 13 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above-entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions to be held in the County Court House, Long Island City, in the Borough of Queens, in The City of New York, on the 10th day of February, 1912, at the opening of Court on that day; and that the said final report has been deposited in the office of the Clerk of the County of Queens, there to remain for and during the space of five days, as required by law.

Dated Borough of Manhattan, New York, February 3, 1912.

WILLIAM E. STEWART, ANDREW J. VAN SICLEN, CHAS. H. SCHLOO, Commissioners. f3,8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, in fee, to the lands and premises required for the opening and extending of STOCKHOLM STREET, between the Borough line and Woodward avenue, in the Second Ward, Borough of Queens, City of New York, as amended by an order of the Supreme Court dated the 30th day of September, 1910, and entered in the office of the Clerk of the County of Queens on the 4th day of October, 1910, so as to apply to Stockholm street from the Borough line to Woodward avenue, as shown upon Section 15 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909.

NOTICE IS HEREBY GIVEN THAT THE final reports of the Commissioners of Estimate and of the Commissioner of Assessment in the above-entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House, Long Island City, in the Borough of Queens, in The City of New York, on the 10th day of February, 1912, at the opening of Court on that day; and that the said final reports have been deposited in the office of the Clerk of the County of Queens, there to remain for and during the space of five days, as required by law.

Dated Borough of Manhattan, New York, February 3, 1912.

GORDON GORDON, CORTLANDT C. WOODBURN, Commissioners of Estimate.

CORTLANDT C. WOODBURN, Commissioner of Assessment. f3,8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of VAN ALST AVENUE (although not yet named by proper authority), from Hoyt avenue to Winthrop avenue, in the First Ward, Borough of Queens, City of New York, as shown on a map or plan adopted by the Board of Estimate and Apportionment on June 23, 1905, and approved by the Mayor July 11, 1905, and as amended by an order of the Supreme Court, Second Department, dated the 2d day of November, 1910, and entered in the office of the Clerk of the County of Queens on the 5th day of December, 1910, in accordance with the resolution adopted by the Board of Estimate and Apportionment on the 24th day of April, 1908.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above-entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House, Long Island City, in the Borough of Queens, in The City of New York, on the 10th day of February, 1912, at the opening of Court on that day; and that the said final report has been deposited in the office of the Clerk of the County of Queens, there to remain for and during the space of five days, as required by law.

Dated Borough of Manhattan, New York, February 3, 1912.

WILLIAM E. STEWART, GEORGE E. CLAY, Commissioners. f3,8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of SHARON STREET, from Olive

street to Morgan avenue in the Eighteenth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held at the County Court House in the Borough of Brooklyn, in The City of New York, on the 9th day of February, 1912, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of ten days, as required by law.

Dated, Borough of Brooklyn, New York, January 29, 1912.

HAROLD N. WHITEHOUSE, WM. H SWARTWOUT, EDWARD BARUCH, Commissioners of Estimate. HAROLD N. WHITEHOUSE, Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. j29,f8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of LINCOLN AVENUE, from Jamaica avenue to Ridgewood avenue, in the Twenty-sixth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held at the County Court House in the Borough of Brooklyn, in The City of New York, on the 9th day of February, 1912, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of ten days, as required by law.

Dated, Borough of Brooklyn, New York, January 29, 1912.

EDMUND D. HENNESSY, WM. R. BLAKE, ABRAHAM SILVERSTONE, Commissioners of Estimate. ABRAHAM SILVERSTONE, Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. j29,f8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of EMMA STREET (although not yet named by proper authority), from Flushing avenue to William street, in the Second Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 22d day of January, 1912, and duly entered and filed in the office of the Clerk of the County of Queens on the 25th day of January, 1912, John B. Merrill, Esq., was appointed a Commissioner of Estimate and Assessment in the above-entitled proceeding in the place and stead of John Adikes, resigned.

Notice is further given that, pursuant to said order, the said John B. Merrill, Esq., will attend at a Special Term of the Supreme Court, State of New York, Second Department, to be held for the hearing of motions at the County Court House, in the Borough of Queens, in The City of New York, on the 14th day of February, 1912, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the purpose of being examined under oath by the Corporation Counsel or by any other person having any interest in the said proceeding as to his qualifications to act as such Commissioner in the above-entitled proceeding.

Dated New York, January 29, 1912.

Yours, etc.,

ARCHIBALD R. WATSON, Corporation Counsel, Office and Post Office Address, Hall of Records, Borough of Manhattan, City of New York. j29,f8

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of AVENUE J, from West street to Ocean parkway, in the Thirtieth and Thirty-first Wards, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing duly verified, with them at their office, 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 15th day of February, 1912, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 16th day of February, 1912, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 166 Montague street, in the Borough of Brooklyn, in the City of New York, on or before the 15th day of February, 1912, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 19th day of February, 1912, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 24th day of September, 1909, and that the said area of assesment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in the City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the north by a line midway between Avenue J and Avenue I, and by the prolongation of said line; on the east by a line midway between Ocean parkway and East Seventh street; on the south by a line midway between Avenue J and Avenue K, as laid out east of Ocean parkway and by the prolongation of said line; and on the west by a line distant 100 feet westerly from and parallel with the westerly line of West street, the said distance being measured at right angles to West street.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, 166 Montague street, in the Borough of Brooklyn, in said city, there to remain until the 26th day of February, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 25th day of March, 1912, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, January 26, 1912.

GEO. V. BROWER, JR., DANIEL M. HURLEY, MATTHEW V. O'MALLEY, Commissioners of Estimate; GEO. V. BROWER, JR., Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. j26,f13

SECOND DEPARTMENT.

In the matter of the application of The City of of New York relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of HENDRIX STREET, from Dumont avenue to Fairfield avenue, in the Twenty-sixth Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That the undersigned, Commissioners of Estimate, have completed their estimate of damage and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, No. 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 13th day of February, 1912, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 15th day of February, 1912, at 2 o'clock p. m.

Second—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, No. 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 13th day of February, 1912, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 16th day of February, 1912, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 26th day of June, 1908, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Dumont avenue, the said distance being measured at right angles to the line of Dumont avenue; on the east by a line always midway between Hendrix street and Schenck avenue; on the south by a line distant 100 feet southerly from and parallel with the southerly line of Fairfield avenue, the said distance being measured at right angles to the line of Fairfield avenue; on the west by a line always midway between Hendrix street and Van Siclen avenue.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, No. 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 23d day of February, 1912.

Fifth—That, provided there be no objections filed to either of said abstracts the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 25th day of March, 1912, at the opening of the court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, January 24, 1912.

EDWIN L. GARVIN, WILLIAM WHITTAKER, ROBERT E. FORD, Commissioners of Estimate.

EDWIN L. GARVIN, Commissioner of Assessment.

EDWARD RIEGELMANN, Clerk. j24,f9

SUPREME COURT—THIRD JUDICIAL DISTRICT.

THIRD JUDICIAL DISTRICT.

In the matter of the application and petition of John A. Bensel, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York to acquire real estate for and on behalf of The City of New York in the Town of Hurley, County of Ulster, State of New York, under chapter 724 of the Laws of 1905 and the acts amendatory thereof, for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

Ashokan Reservoir, Section No. 6.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Fifth Separate Report of the Commissioners of Appraisal in the above entitled proceeding signed by a majority of said Commissioners was filed in the office of the Clerk of the County of Ulster at Kingston, New York, on the 16th day of January, 1912, and includes Parcels Nos. 232, 234, 239b, 265, 266 and 268.

Further notice is hereby given that an application will be made at a Special Term of the Supreme Court of the Third Judicial District to be held at the Court House in the City of Troy, New York, on the 2d day of March, 1912, at 10 o'clock in the forenoon of that day or as soon thereafter as Counsel can be heard, for an order confirming the awards made for said parcels, and reversing and setting aside so much of said report as contain recommendations that there be allowed certain sums specified therein for Counsel fees, and the sums therein recommended to be allowed for expenses and disbursements, including reasonable compensation for witnesses, and for such other and further relief as to the Court may seem just.

Dated January 25, 1912.

ARCHIBALD R. WATSON, Corporation Counsel, Office and Postoffice address, Hall of Records, corner of Chambers and Centre streets, Borough of Manhattan, City of New York. j29,m1

THIRD JUDICIAL DISTRICT.

In the matter of the application of J. Edward Simmons, Charles N. Chadwick and Charles N. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York under chapter 724 of the Laws of 1905 and the acts amendatory thereof, in the Town of Olive, Ulster County, New York, for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

Ashokan Reservoir, Section No. 2.

PUBLIC NOTICE IS HEREBY GIVEN THAT a report of Alanson Page Smith, Isaiah Fuller and Reginald W. Rives, duly appointed Commissioners of Appraisal in the above entitled proceeding was filed in the office of the Clerk of the County of Ulster at Kingston, New York, on the 15th day of January, 1912, and covers Parcel No. 54.

Further notice is hereby given that an application will be made at a Special Term of the Supreme Court, Third Judicial District, to be held at the Court House in the City of Troy, New York, on the 2d day of March, 1912, at 10 o'clock in the forenoon of that day or as soon thereafter as counsel can be heard, for an order confirming said report and for such other and further relief as to the court may seem just.

Dated January 25, 1912.

ARCHIBALD R. WATSON, Corporation Counsel, Office and Postoffice address, Hall of Records, corner of Chambers and Centre streets, Borough of Manhattan, City of New York. j29,m1

NOTICE TO BIDDERS AT SALES OF OLD BUILDINGS, ETC.

TERMS AND CONDITIONS UNDER WHICH BUILDINGS, ETC., WILL BE SOLD FOR REMOVAL FROM CITY PROPERTY.

THE BUILDINGS AND APPURTENANCES thereto will be sold to the highest bidder, who must pay cash or certified check, drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers in the Borough in which the buildings are situated, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof, within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the cost and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless, The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beamholes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs and adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

PROPOSALS FOR BIDS AND ESTIMATES FOR THE CITY OF NEW YORK.

NOTICE TO CONTRACTORS.

GENERAL INSTRUCTIONS TO BIDDERS.

The person or persons making a bid or estimate for any services, work, materials or supplies for The City of New York, or for any of its departments, bureaus or offices, shall furnish the same in a sealed envelope, indorsed with the title of the supplies, materials, work or services for which the bid or estimate is made, with his or their name or names and the date of presentation to the President or Board or to the head of the Department at his or its office, on or before the date and hour named in the advertisement for the same, at which time and place the estimates received will be publicly opened by the President or Board or head of said Department, and read, and the award of the contract made according to law as soon thereafter as practicable.

Each bid or estimate shall contain the name and place of residence of the person making the same, and names of all persons interested with him therein, and, if no other person be so interested, it shall distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, head of a Department, chief of a Bureau, deputy thereof, or clerk therein, or other officer of The City of New York is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise in or in the performance of the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated herein are in all respects true.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, or of a guaranty or surety company duly authorized by law to act as surety, and shall contain the matters set forth in the blank forms mentioned below.

No bid or estimate will be considered unless as a condition precedent to the reception or consideration of any proposal, it be accompanied by a certified check upon one of the State or National banks of The City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

The certified check or money should not be inclosed in the envelope containing the bid or estimate, but should be either inclosed in a separate envelope addressed to the head of the Department, President or Board, or submitted personally upon the presentation of the bid or estimate.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work, reference must be made to the specifications, schedules, plans, etc., on file in the said office of the President, Board or Department.

No bid shall be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the City.

The contract must be bid for separately.

The right is reserved in each case to reject all bids or estimates if it is deemed to be for the interest of the City so to do.

Bidders will write out the amount of their bids or estimates in addition to inserting the same in figures.

Bidders are requested to make their bids or estimates upon the blank forms prepared and furnished by the City, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel can be obtained upon application therefor at the office of the Department for which the work is to be done. Plans and drawings of construction work may also be seen there.