THE CITY RECORD.

VOL. XLIII. NUMBER 12833. NEW YORK, WEDNESDAY, JULY 28, 1915. PRICE, 3 CENTS.

THE CITY RECORD.

OFFICIAL JOURNAL OF THE CITY OF NEW YORK.

Published Under Authority of Section 1526, Greater New York Charter, by the

BOARD OF CITY RECORD.

JOHN PURROY MITCHEL, MAYOR.

FRANK L. POLK, CORPORATION COUNSEL. WILLIAM A. PRENDERGAST, COMPTROLLER.

DAVID FERGUSON, SUPERVISOR.

Supervisor's Office, Municipal Building, 8th floor.

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TABLE OF CONTENTS.

Art Commission—
Minutes of Meeting Held July 12, 1915 6178
Bellevue and Allied Hospitals; Bridges, Correction, Docks and Ferries, Fire, Public Charities, Water Supply, Gas and Electricity, Departments of—
Proposals 6185
Bellevue and Allied Hospitals; Public Charities, Health, Departments of—
Proposals 6182
Board Meetings 6183
Bridges, Department of—
Contracts Awarded 6111
Proposals 6186
Bronx, Borough of—
Proposals 6188
Brooklyn, Borough of—
Proposals 6186
Changes in Departments, etc. 6179
Correction, Department of—
Proposals 6181
Docks and Ferries, Department of—
Proposals 6187
Education, Department of—
Proposals 6181
Estimate and Apportionment, Board of—
Minutes of Meetings Held July 9, 12 and 15, 1915..... 6112
Notice of Public Hearings, Franchise Matters 6183
Examiners, Board of—
Minutes of Meetings Held July 6 and 13, 1915 6111
Finance, Department of—
Confirmation of Assessments 6182
Corporation Sales of Buildings..... 6182
Corporation Sales of Real Estate..... 6182
Mortgage Tax Account—Statement for Quarter Ended June 30, 1915.... 6179
Notice of Sales of Tax Liens..... 6183
Sureties on Contracts 6183
Vouchers Received July 27, 1915..... 6177
Warrants Made Ready for Payment July 27, 1915 6175
Fire Department—
Proposals 6183
Instructions to Bidders for Work to Be Done or Supplies to Be Furnished... 6190
Manhattan, Borough of—
Proposals 6187
Report for the Quarter Ended March 31, 1915 6171
Municipal Civil Service Commission—
Minutes of Meeting Held June 8, 1915 6171
Notices of Examinations 6187
Proposed Amendments to Rules and Classifications 6187
Notice to Bidders at Sales of Old Buildings, etc. 6190
Official Directory 6179
Police Department—
Auction Sale 6185
Owners Wanted for Unclaimed Property 6185
Public Charities, Department of—
Report for Week Ended July 10, 1915. 6179
Public Service Commission, First District—
Calendar for the Week Commencing July 26, 1915 6111
Invitations to Contractors 6185
Published Notice of Hearing..... 6185
Queens, Borough of—
Proposals 6189
Richmond, Borough of—
Report of Bureau of Buildings for Week Ended July 10, 1915..... 6179
Street Cleaning, Department of—
Auction Sale of Condemned Property. 6181
Proposals 6181
Reports for Weeks Ended June 12 and 19, 1915..... 6179
Supreme Court, First Department—
Filing Bill of Costs..... 6189
Filing Preliminary Abstracts 6189
Supreme Court, Second Department—
Filing Bill of Costs..... 6189
Filing Final Reports 6189
Filing Preliminary Abstracts 6189
Water Supply, Board of—
Proposals 6183
Water Supply, Gas and Electricity, Department of—
Report for Week Ended July 3, 1915. 6111

PUBLIC SERVICE COMMISSION—FIRST DISTRICT.

No. 154 NASSAU STREET, NEW YORK CITY.

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Wednesday, July 28, 1915—10.30 a. m.—Room 305—Case No. 1540—Edison Electric Illuminating Company of Brooklyn—Albert Moritz et al., complainants—"Kate for electricity in Brooklyn"—Commissioner Hayward. 12.15 p. m.—Room 305—Rapid transit railroads—"Opening of bids for construction of Section 2, Route No. 29"—Whole Commission. 12.15 p. m.—Room 305—Rapid transit railroads—"Opening of bids for the supply of rail splice bars"—Whole Commission. 12.15 p. m.—Room 305—Rapid transit railroads—"Opening of bids for the supply of anti-creepers"—Whole Commission. 12.15 p. m.—Room 305—Rapid transit railroads—"Opening of bids for the supply of nut locks"—Whole Commission.

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

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Appointed—Solomon Rebofsky, 25 W. 111th St., Temporary Stenographer and Typewriter, at $3 per day.

Salaries Decreased—Amos T. Smith, Mechanical Engineer, $2,400 to $1,800 per annum; Jean P. Genthon, Assistant Engineer, $2,400 to $1,800 per annum; Charles J. Clark, Assistant Engineer, $2,400 to $2,100 per annum.

THOMAS F. DWYER, Deputy Commissioner.

Department of Bridges.

Contracts Awarded—For furnishing and delivering coal to the Brooklyn Bridge, July 22: Burns Bros., $1,637.50; Gavin Rowe, $1,740; John F. Schmadeke, Inc., $1,780. Burns Bros., being the lowest formal bidder, the contract was awarded to them.

F. J. H. KRACKE, Commissioner.

Board of Examiners.

July 6th, 1915.

Meeting called to order at 2 p. m.

Present: Messrs. Lewis Harding, John Kenlon, Cecil F. Shallcross, George A. Just and William Crawford, Chairman.

On motion, minutes approved as read.

Mr. Crawford announced that the Mayor had appointed him Chairman of the Board of Examiners, whereupon on motion his credentials were ordered spread in full on the minutes.

City of New York, Office of the Mayor.

Know all men by these presents, that I, John Purroy Mitchel, Mayor of The City of New York, under and by virtue of the authority of the statutes in such case made and provided, do hereby designate William Crawford, one of the Examiners appointed by the associations mentioned in section 411 of the Greater New York Charter, as the presiding officer of the Board of Examiners prescribed by said section, to succeed George A. Just; to hold office until his successor is appointed and shall qualify.

In witness whereof I have hereunto set my hand and affixed my seal of office this 30th day of June, one thousand nine hundred and fifteen. (Signed) JOHN PURROY MITCHEL Mayor. (Seal)

Chief Kenlon moved a vote of thanks to the retiring Chairman, expressing appreciation of the courtesies shown in his eight years of service as the presiding officer of the Board; whereupon the Chairman appointed Chief Kenlon and Mr. Shallcross as a committee to prepare a suitable resolution for presentation at the next meeting.

The Chairamn announced a calendar of eight appeals, numbers 303 to 310, inclusive.

Appeal 303 of 1915, New Building 3652 of 1915, premises northeast corner Church Avenue and 36th Street, Brooklyn, S. Millman & Son, appellants.

Appearance: Mr. James J. Millman.

On motion, approved.

Appeal 304 of 1915, New Building 4651 of 1915, premises southeast corner Flatbush Avenue and Canarsie Avenue, Brooklyn, R. Thomas Short, appellant.

Appearances: Messrs. R. Thomas Short, Emil Dickman and A. H. Schwartz.

On motion laid over for further consideration after lengthy discussion.

Appeal 305 of 1915, New Building 4528 of 1915, premises No. 15 Butler Place, Brooklyn; D. Wortmann and H. H Braun, appellants.

Appeal 306 of 1915, New Building 4529 of 1915, premises No. 23 Butler Place, Brooklyn; D. Wortmann and H. H. Braun, appellants.

Appearance: Mr. E. Manheimer.

On motion appeals 305 and 306

Approved on the following conditions:

1st. That the openings at the points marked "A" be either bricked up full thickness of the wall or provided with self-closing fireproof doors.

2d. That the cross-walls shown shall extend to the under side of the roof boards.

Appeal 307 of 1915, New Building 214 of 1915, premises 267-269 Fifth Avenue, Manhattan; Starrett & Van Vleck, appellants.

Appearances: Messrs. E. A. Van Vleck and F. Goerthner.

On motion approved.

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Appearance: Mr. Gilbert I. Prowler.

On motion approved.

Appeal 309 of 1915, New Building 4708 of 1915, premises south side Lincoln Place, 186 feet 11¾ inches east of Troy Avenue, Brooklyn; Benjamin Cohn, appellant.

Appearance: Mr. Abraham H. Reiner.

On motion approved on condition that all columns and girders supporting floors, roofs or walls be fireproofed in accordance with the regulations of the Bureau of Buildings.

Appeal 310 of 1915, New Building 4755 of 1915, premises No. 22 Tapscott Street, Brooklyn; Edward M. Adelsohn, appellant.

Appearance: Mr. Edw. M. Adelsohn.

On motion approved.

The Chairman appointed Messrs. John Kenlon and Cecil F. Shallcross members of the Board of Promotions of the Board of Examiners, and called a meeting of the Board of Promotions for Tuesday, July 13th, at the close of the regular meeting, to consider the report of the Clerk for the quarter ending June 30th, 1915.

Adjourned.

MINNA M. D. CLARK, Acting Clerk.

July 13th, 1915.

Meeting called to order at 2 p. m.

Present—Messrs. Charles Buek, Lewis Harding, George A. Just, John Kenlon, Cecil F. Shallcross, D. Everett Waid, and William Crawford, Chairman.

On motion, minutes approved as read.

The Chairman requested the Committee on Resolutions, appointed at the last meeting, to report, whereupon Chief Kenlon, as Chairman of the committee, offered the following resolution:

Whereas, the retirement of Mr. George A. Just, C. E., as Chairman of the Board of Examiners, was this day announced after eight years in that office; and

Whereas, it is the desire of fellow members of the Board to recognize his many years of efficient service as their presiding officer;

Now, therefore,

Resolved, That the Board of Examiners hereby records its appreciation of the services of George A. Just, C. E., as representative of the Society of Architectural Iron Manufacturers on the Board, and as Chairman of the Board for eight years; recognizing not alone his professional ability but the fairness shown as presiding officer and his uniform courtesy to his colleagues and to the public; and further,

Resolved, That these resolutions be spread in full on the minutes and that copies be sent to the Society of Architectural Iron Manufacturers and to Mr. Just.

The foregoing resolutions were unanimously adopted, the Secretary being instructed to prepare and forward copies as therein specified.

Mr. Cecil F. Shallcross announced his re-election as the representative on the Board of the New York Board of Fire Underwriters; whereupon on motion his credentials were ordered spread in full on the minutes.

City of New York, Office of the Mayor.

Know all men by these presents, that I, John Purroy Mitchel, Mayor of The City of New York, under and by virtue of the authority of the statute in such case made and provided, do hereby designate Cecil F. Shallcross, one of the Examiners appointed by the association mentioned in section 411 of the Greater New York Charter, to succeed himself, and to hold office until his successor is appointed and shall qualify.

In witness whereof I have hereunto set my hand and affixed my seal of office this seventh day of July, one thousand nine hundred and fifteen. (Signed) JOHN PURROY MITCHEL, Mayor. (Seal.)

The Chairman then announced a calendar of eleven appeals, 304 laid over at the last meeting for further consideration, and numbers 311 to 320, inclusive.

Appeal 304 (laid over).

Appearances: Messrs. R. Thomas Short and A. H. Schwartz.

On motion, approved (only as to the omission of the rear court) on the following conditions:

1st—That the walls marked "A" dividing stores from lobby and auditorium be unpierced brick walls at least twelve inches thick.

2d—That an additional exit, at least five feet wide in the clear, be provided at the point marked "B."

3d—That the two rows of seats marked "C" be eliminated, forming cross-aisle from the centre to the side aisles. All as shown on the orchestra floor plan.

4th—That this appeal is granted on the further condition that the house is to be used for moving pictures only.

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Appearances: Samuel Cohen, architect; Hon. Wm. B. Ellison, receiver, Sullivan Estate; Bernard F. Golden, lessee; Messrs. Sol. Barron, I. Cohen, John B. Golden and Bruce Ellison; Messrs. Geo. C. Pratt, Martin Taylor and Arthur Mayer, representing City Club; W. Pierson, representing City Hall Reporters' Association.

Mr. Just stated to the Board that he had received various letters addressed to him as Chairman in regard to this appeal, which he desired to have placed on file, as follows:

Letter from Hon. Wm. B. Ellison, dated 9th inst., enclosing memorandum of orders issued by the Fire Department under date of January 4th, 1913.

Letter from W. G. Sewall, Chairman, Committee on Fire Protection of the City Club, dated 8th inst.

Letter from Charles A. Strong (Strong & Mellen), dated 13th inst., enclosing copy of letter to Hon. R. P. Miller, same date.

Messrs. Ellison, Cohen, Golden and Barron presented arguments in favor of granting the appeal.

Messrs. Pratt, Taylor and Mayer were also heard; and further, Mr. Pratt submitted the following papers, which were ordered on file.

Brief signed by Geo. C. Pratt, for the Committee on Fire Protection of the City Club.

Copy of order issued by the Fire Department, No. 603-A, dated January 4th, 1913.

Copy of Demand for Survey, dated March 6th, 1913.

Copy of Report of Survey, dated March 14th, 1913, signed by Ira H. Woolson.

Copy of Report of Survey, dated March 18th, 1913, signed by John P. Howe and Francis X. Grady.

On motion, laid over until Tuesday the 20th inst., for further consideration.

The Chairman announced to waiting appellants that appeals 312 to 320 will be heard tomorrow, Wednesday, at 2 p. m.

Adjourned.

MINNA M. D. CLARK, Acting Clerk,

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Bellevue and Allied Hospitals; Bridges, Correction, Docks and Ferries, Fire, Public Charities, Water Supply, Gas and Electricity, Departments of—
Proposals 6185
Bellevue and Allied Hospitals; Public Charities, Health, Departments of—
Proposals 6182
Board Meetings 6183
Bridges, Department of—
Contracts Awarded 6111
Proposals 6186
Bronx, Borough of—
Proposals 6188
Brooklyn, Borough of—
Proposals 6186
Changes in Departments, etc. 6179
Correction, Department of—
Proposals 6181
Docks and Ferries, Department of—
Proposals 6187
Education, Department of—
Proposals 6181
Estimate and Apportionment, Board of—
Minutes of Meetings Held July 9, 12 and 15, 1915 6112
Notice of Public Hearings, Franchise Matters 6183
Examiners, Board of—
Minutes of Meetings Held July 6 and 13, 1915 6111
Finance, Department of—
Confirmation of Assessments 6182
Corporation Sales of Buildings 6182
Corporation Sales of Real Estate 6182
Mortgage Tax Account—Statement for Quarter Ended June 30, 1915 6179
Notice of Sales of Tax Liens 6183
Sureties on Contracts 6183
Vouchers Received July 27, 1915 6177
Warrants Made Ready for Payment July 27, 1915 6175
Fire Department—
Proposals 6183
Instructions to Bidders for Work to Be Done or Supplies to Be Furnished 6190
Manhattan, Borough of—
Proposals 6187
Report for the Quarter Ended March 31, 1915 6171
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Notices of Examinations 6187
Proposed Amendments to Rules and Classifications 6187
Notice to Bidders at Sales of Old Buildings, etc. 6190
Official Directory 6179
Police Department—
Auction Sale 6185
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Invitations to Contractors 6185
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Auction Sale of Condemned Property. 6181
Proposals 6181
Reports for Weeks Ended June 12 and 19, 1915 6179
Supreme Court, First Department—
Filing Bill of Costs 6189
Filing Preliminary Abstracts 6189
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Filing Final Reports 6189
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Water Supply, Board of—
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1st—That the walls marked "A" dividing stores from lobby and auditorium be unpierced brick walls at least twelve inches thick.

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3d—That the two rows of seats marked "C" be eliminated, forming cross-aisle from the centre to the side aisles. All as shown on the orchestra floor plan.

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Letter from Charles A. Strong (Strong & Mellen), dated 13th inst., enclosing copy of letter to Hon. R. P. Miller, same date.

Messrs. Ellison, Cohen, Golden and Barron presented arguments in favor of granting the appeal.

Messrs. Pratt, Taylor and Mayer were also heard; and further, Mr. Pratt submitted the following papers, which were ordered on file.

Brief signed by Geo. C. Pratt, for the Committee on Fire Protection of the City Club.

Copy of order issued by the Fire Department, No. 603-A, dated January 4th, 1913.

Copy of Demand for Survey, dated March 6th, 1913.

Copy of Report of Survey, dated March 14th, 1913, signed by Ira H. Woolson.

Copy of Report of Survey, dated March 18th, 1913, signed by John P. Howe and Francis X. Grady.

On motion, laid over until Tuesday the 20th inst., for further consideration.

The Chairman announced to waiting appellants that appeals 312 to 320 will be heard tomorrow, Wednesday, at 2 p. m.

Adjourned.

MINNA M. D. CLARK, Acting Clerk.

BOARD OF ESTIMATE AND APPORTIONMENT

Minutes of Meeting of Board of Estimate and Apportionment, Held in Room 16, City Hall, Friday, July 9, 1915.

The Board met in pursuance of an adjournment.

Present—John Purroy Mitchel, Mayor; William A. Prendergast, Comptroller; George McAneny, President, Board of Aldermen; Ralph Folks, Acting President, Borough of Manhattan; Lewis H. Pounds, President, Borough of Brooklyn; Douglas Mathewson, President, Borough of The Bronx; Maurice E. Connolly, President Borough of Queens, and Spire Pitou, Jr., Acting President, Borough of Richmond.

The Mayor, Hon. John Purroy Mitchel, presided.

Approval of Minutes (Cal. No. 1).

The Minutes of the meeting held June 18, 1915, were approved as printed in the CITY RECORD July 7, 1915.

REPORTS.

From Standing Committees.

Committee on Corporate Stock Budget.

Department of Public Charities—Issue of Corporate Stock (Cal. No. 2).

(On December 4, 1914 (Cal. No. 119), and March 5, 1915 (No. 195), the requests in this matter were referred to the Committee on Corporate Stock Budget.)

The Secretary presented a communication from the Commissioner of Public Charities dated Nov. 24, 1914, requesting issue of corporate stock in the sum of $96,000 for carrying out fire prevention work in various institutions, and a communication dated March 3, 1915, submitting estimate of corporate stock requirements covering needs of his department for the years 1915, 1916 and 1917; and the following report of the Committee on Corporate Stock Budget:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On December 4, 1914, you referred to the Corporate Stock Budget Committee a request from the Commissioner of Public Charities, dated November 27, 1914, for the issue of corporate stock to the amount of $96,000 for carrying out additional fire prevention work in the various institutions under his jurisdiction, except Randalls Island and the New York City Farm Colony. The request is renewed as No. 12 in the order of urgency, in the statement of corporate stock requirements of the department referred to this Commitee on March 5, 1915.

It has been called to our attention that conditions in some of these institutions are such from the fire prevention standpoint that action should be taken upon the request as soon as possible.

On February 21, 1912, the Board of Estimate and Apportionment, concurred in by the Board of Aldermen March 19, 1912, approved an issue of corporate stock in the sum of $3,000 for fire protection work in various buildings under the jurisdiction of the Department of Public Charities and for the employment of Expert Engineers or Architects to study and report upon the best system of fire protection for these buildings.

On July 11, 1912, the Board of Estimate and Apportionment approved the form of contract for the employment of H. F. J. Porter, M. E., for the above purpose.

The present request of the Commissioner is based upon the recommendations contained in Mr. Porter's report, which proposed the construction of fire escapes, fire walls, and the installation of standard fire doors. The Porter report also recommended the construction of shelving, removal of rubbish and general repairs. The latter items, which are included in the present request, are proper budgetary charges and should be so provided for by the department. The estimate of cost for the entire work as furnished by Mr. Porter was $96,000, including his fees at the rate of seven and one-half per cent.

The following buildings or groups are affected by this proposed fire protection:

City Hospital; New York City Home for the Aged and Infirm; Metropolitan Hospital (all on Blackwells Island). Kings County Hospital. New York City Home for the Aged and Infirm (Brooklyn Division). Cumberland Street Hospital. Coney Island Hospital, Brooklyn. Bedford Street Hospital, Brooklyn. Central Office, foot of East 26th Street. Municipal Lodging House. Children's Bureau, Borough of Manhattan.

The recommendations provide for the construction of new walls, extending completely across the buildings from cellar to and through the roof and the utilization of existing walls for fire barriers, thereby dividing the buildings into "fire units." Passages from one unit to another are provided for by openings in the fire barriers, protected by standard fire doors, through which in case of fire in one unit the occupants may be transferred to their beds in safety to the adjacent unit and the fire door closed.

A detailed examination has been made of all the buildings affected by the foregoing, with the result that the cost of the necessary construction work is estimated to be $80,000, exclusive of fees for professional services in preparing plans and specifications and supervising the construction of the work.

Mr. H. F. J. Porter, who prepared the report showing the necessity for the proposed work, has expressed his willingness to prepare all necessary plans and specifications to carry the work to completion for three per cent. Under this arrangement the Department of Public Charities will supervise the construction.

Mr. Porter now has a contract for the preparation of plans and specifications and for the supervision of the construction of a fire alarm system in the buildings affected by the proposed fire prevention work. For the proper co-ordination of the two classes of work it is best that the plans and specifications for both be prepared at the same time.

We recommend the adoption of the attached resolution granting the request to the extent of $80,000 for construction, and $2,400 for the preparation of plans and specifications. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

On motion, Rule 19 was waived in this matter and the following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding eighty-two thousand four hundred dollars ($82,400), to provide means for the construction of fire escapes, fire walls, fireproof doors and other fire protection work in the various institutions and buildings under the jurisdiction of the Department of Public Charities, except those on Randall's Island and at New York City Farm Colony; 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, maturing not more than fifteen (15) years after date of issue, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Commissioner of Public Charities, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule, which are to be similarly submitted, unless in case of departmental employees, such employment is in accordance with schedules approved by said Board.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Committee on Salaries and Grades.

Fire Department—Retirement of John M. Haas, Foreman Harnessmaker (Cal. No. 3).

(On August 27, 1914 (Cal. No. 131), the request in this matter was referred to the Committee on Salaries and Grades.)

The Secretary presented a communication dated August 7, 1914, from the Fire Commissioner, requesting retirement of John M. Haas, Foreman Harnessmaker; and the following report of the Committee on Salaries and Grades recommending approval thereof:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, December 7, 1914.

To the Board of Estimate and Apportionment, The City of New York:

Gentlemen—At a meeting of your Board held August 27, 1914, there was submitted a communication from the Fire Commissioner dated August 7, 1914, recommending the retirement of John M. Haas, a foreman harnessmaker in the Fire Department.

The Commissioner's communication was as follows:

"I have the honor to request that, pursuant to the provisions of Chapter 699, of the Laws of 1911, as amended, you recommend to the Board of Estimate and Apportionment the retirement from the service, for physical incapacity, of Foreman Harness Maker John M. Haas of this Department on an annual pension not to exceed one-half the amount his compensation has averaged for the past three years.

"Mr. Haas was born November 3, 1836, and has served in this Department since November 22, 1877, a period of upward of 37 years. His compensation for the years 1911, 1912, 1913 and 1914, has been at the rate of $4 per diem. The number of days allowed him in the budget for 1911 was 277; for 1912, 279, and for 1913 and 1914, 278."

On October 10, 1914, Dr. J. H. Byrne, Medical Examiner of the Department of Finance, examined Mr. Haas, and states that he is permanently unfit for duty.

The Medical Examiner's detailed report is attached hereto.

Mr. Haas' original appointment and subsequent changes in rate of compensation, were as follows:

November 22, 1877, appointed as a harness maker at $2.75 per day in the Fire Department.

March 29, 1882, compensation increased to $3 per day.

January 1, 1900, compensation changed to $3.50 per day.

June 12, 1900, compensation fixed at $4 per day.

An examination of the payrolls and time sheets has been made sufficient to establish over thirty years of service, as follows:

	Days.
1883, January 1 to December 31	275
1884, January 1 to December 31	251¼
1885, January 1 to December 31	301
1886, January 1 to December 31	293
1887, January 1 to December 31	293
1888, January 1 to December 31	303
1889, January 1 to December 31	305½
1890, January 1 to December 31	322⅜
1891, January 1 to December 31	288½
1892, January 1 to December 31	298⅛
1893, January 1 to December 31	295¾
1894, January 1 to December 31	304 7-16
1895, January 1 to December 31	295 13-16
1896, January 1 to December 31	308¾
1897, January 1 to December 31	305⅛
1898, January 1 to December 31	306
1899, January 1 to December 31	300
1900, January 1 to December 31	302½
1901, January 1 to December 31	303⅜
1902, January 1 to December 31	299⅞
1903, January 1 to December 31	302 3-16
1904, January 1 to December 31	298 9-16
1905, January 1 to December 31	*248
1906, January 1 to December 31	299
1907, January 1 to December 31	300 13-16
1908, January 1 to December 31	303⅝
1909, January 1 to December 31	304
1910, January 1 to March 3	45
1910, October 1 to December 31	62
1911, January 1 to December 31	263⅞
1912, January 1 to December 31	275 13-32
1913, January 1 to December 31	252 7-16
1914, January 1 to September 30	170¼
	9,078 1-32

—equivalent to 30 years 3 months 20 days service.

In an affidavit dated October 10, 1914, Mr. Haas stated that he had never filed a claim nor brought suit against The City of New York for the payment of salary or wages or for any other claim, except that deponent brought action on December 30, 1898, under the provisions of the prevailing rate of wages law, for $1,415.20, and received payment of judgment thereon in the amount of $1,240. That a further action, commenced November 1, 1899, was discontinued on April 1, 1900, and a third action, brought January 22, 1901, for $360 is still pending. Deponent has not heard anything from this last action, and is willing to discontinue it.

A search of the records in the Law Department discloses that on April 6, 1899, deponent received $1,240, being the amount of his claim and costs for difference in wages between $3 and $4 per day, as harnessmaker in the Fire Department from May 10, 1894, to November 20, 1898. Also that deponent brought suit against the City on November 1, 1899, said suit being discontinued on April 1, 1900. And on January 22, 1901, suit was brought by deponent against the City for $360 under the prevailing rate of wages law. As to this last mentioned action, an order of discontinuance was entered October 30, 1914.

An examination of the Register of Claims in the Division of Law and Adjustment of the Department of Finance for the past six years shows that he has filed no claim during that period.

For the period from October 1, 1911, to September 30, 1914, Mr. Haas' compensation, as provided for in the budget, was as follows:

October 1 to December 31, 1911, 67½ days, at $4 per day (basis of 277 days to year)	$270 00
January 1 to December 31, 1912, 279 days, at $4 per day (basis of 279 days to year)	1,116 00
January 1 to December 31, 1913, 278 days, at $4 per day (basis of 278 days to year)	1,112 00
January 1 to September 30, 1914, 209½ days, at $4 per day (basis of 278 days to year)	838 00
	$3,336 00

—or an average annual sum of $1,112.

His actual compensation during the same period was:

October 1 to December 31, 1911, 66½ days, at $4 per day	$266 00
January 1 to December 31, 1912, 275 13-32 days, at $4 per day	1,101 62
January 1 to December 31, 1913, 252 7-16 days, at $4 per day	1,009 75
January 1 to September 30, 1914, 170¼ days, at $4 per day	681 00
	$3,058 37

—or an average of $1,019.46 per annum.

We recommend the adoption of the accompanying resolution retiring John M. Haas from active service and awarding and granting him an annuity of $400, being a

*2 payrolls missing.

sum less than 50 per centum of his average rate of annual compensation for the last three years. Respectfully,

WM. A. PRENDERGAST, Comptroller; HENRY H. CURRAN, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following was offered:

Whereas, John M. Haas, employed as a Foreman Harnessmaker in the Fire Department, has been in the employ of The City of New York or of one of the municipalities, counties or parts thereof which have been incorporated into The City of New York, for a period of thirty years and upward, and is physically incapacitated for the further performance of the duties of his position, therefore be it

Resolved, That the interest of the public service requires his retirement, and 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 chapter 479 of the Laws of 1912, hereby does retire from active service John M. Haas, employed as a Foreman Harnessmaker in the Fire Department, and hereby awards and grants to said John M. Haas an annual sum or annuity of four hundred dollars ($400), being less than fifty per centum of his average annual rate of compensation for the three years immediately preceding the taking effect of this resolution; this resolution to take effect upon the first day of the month following its adoption, subject to the execution by the annuitant of a general release; and be it further

Resolved, That the Comptroller of The City of New York be and he is hereby directed to pay said annuity to said John M. Haas during his lifetime in equal monthly installments out of the receipts of excise moneys or liquor taxes belonging to The City of New York.

Which was adopted by the following vote:

Affirmative—The Mayor, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—13.

Fire Department—Retirement of Rudolph Dillman, Assistant Fire Marshal (Cal. No. 4).

(On June 4, 1915 (No. 90), the request in this matter was referred to the Committee on Salaries and Grades.)

The Secretary presented a communication, dated June 2, 1915, from the Fire Commissioner, requesting the retirement of Rudolph Dillman, Assistant Fire Marshal; and the following report of the Committee on Salaries and Grades recommending approval thereof:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, June 28, 1915.

To the Board of Estimate and Apportionment, The City of New York:

Gentlemen—At a meeting of your Board held June 4, 1915, there was submitted a communication from the Fire Commissioner, dated June 2, 1915, recommending the retirement of Rudolph Dillman, an Assistant Fire Marshal, under the provisions of chapter 646 of the Laws of 1915.

The Commissioner's communication was as follows:

"Assistant Fire Marshal Rudolph Dillman has requested retirement under the Gilchrist Act which provides—

"'The board of estimate and apportionment of the City of New York upon the recommendation of the Fire Commissioner is hereby authorized and empowered in its discretion to retire from active service any person employed in the bureau of fire prevention in the fire department as an assistant fire marshal, who may have become disabled from injuries received while in the discharge of his duties. Any person so retired from active service shall be awarded and granted by the said board of estimate and apportionment an annual sum or annuity to be fixed by said board. The comptroller of the city of New York shall pay the annuities so granted in monthly installments during the lifetime of the persons so retired.'

"Rudolph Dillman was appointed an Assistant Fire Marshal April 12, 1912, at a salary of $1,500, which was later increased to $1,800 per annum, the amount he now draws. Dillman is now 34 years of age. Up to March 28, 1914, he was in the best of health, enjoyed good eyesight, was a hard .worker and one of the most efficient men in the Fire Marshal's office.

"On March 28, 1914, Assistant Fire Marshal Dillman was assigned to investigate a fire, reported suspicious, at 52 Willett Street, Manhattan. In making this investigation, Dillman had occasion to use the fire escape and the ladder between the 2d and 3d floors broke from its fastenings under the weight of Rudolph Dillman and Lieutenant Harney of Hook and Ladder Co. 18, and Dillman was thrown to the 2d floor platform of the fire escape, and was struck at the lower end of his spine by the ladder as it fell. The next morning Dillman felt the effects of the fall and reported to Medical Officer Banta, who kept him under treatment for a week. Immediately thereafter Dillman's eyesight began to fail, and at the present time he is almost totally blind.

"Dillman has consulted with several specialists, who have been unable to help him.

"Dr. John H. Ohly, of 22 Schermerhorn Street, Brooklyn, certified as follows:

"'June 1, 1915.

"'*To Whom It May Concern:*

"'This is to certify that I have treated Rudolph Dillman, of 1619 Woodhaven Ave., Woodhaven, L. I.

"'Mr. Dillman first came to my office on October 15, 1914, and I saw him repeatedly, especially during October and November. He is suffering from an optic atrophy of both eyes resultant from a retrobulbar neuritis.

"'Every effort was made by myself and the other physician who saw Mr. Dillman in consultation and otherwise to establish an etiological factor.

"'No constitutional disease was established. There was a clean history of a fall and to this must be attributed the optic nerve involvement.

"'Mr. Dillman has very poor sight due to this optic atrophy, and there is no chance of improvement. (Signed) JOHN H. OHLY.'

"Dr. Hugh Edward Rogers, of 102 Lewis Avenue, Brooklyn, has certified as follows:

"'June 1, 1915.

"'*To Whom It May Concern:*

"'This is to certify that Mr. Rudolph Dillman, of No. 1619 Woodhaven Ave., Woodhaven, L. I., is under my professional care. Mr. Dillman is suffering from a retrobulbar optic neuritis, which has caused him to almost completely lose the sight of both eyes. This blindness, since its onset, has been and still is slowly progressive in its nature. While in the performance of his duties as Assistant Fire Marshal of the Fire Department of New York City, he fell and sustained severe injuries to his brain and spinal cord. Two weeks later his sight began to fail, and from that time until the present it has become progressively worse and amounts to almost complete blindness. At first it was just a haziness; this gradually became exaggerated, losing the power of vision in both eyes. At the present time he is almost totally blind. In my opinion, the diagnosis in this case is bad, his injury being of a permanent nature and directly traceable to the injury which he received to his brain and spinal cord.

"'(Signed) HUGH E. ROGERS, M. D.'

"Dr. L. F. Warren, Assistant Professor of Internal Medicine and Director of the Clinical Laboratory of the Long Island College Hospital, has certified as follows:

"'Brooklyn, N. Y., April 22, 1915.

"'*To Whom It May Concern:*

"'I wish to state that Mr. Dillman came under my service at the Long Island College Hospital, where most detailed examinations failed to find the cause for his retinitis and optic atrophy. He showed no evidence of lead poisoning—no evidence of the use of alcohol and his blood and spinal fluid were completely negative serologically, and he did not develop prevocative reaction.

"'I, therefore, feel that it is definitely not a specific origin.

"'Very truly yours, (Signed) L. F. WARREN.'

"Mr. Dillman was also examined by Dr. Frederick Tilney, of 161 Henry Street, Brooklyn, who certified as follows:

"'Certainly in establishing the diagnosis of the cause of this trouble, all constitutional diseases and defects may be ruled out on the basis of the most modern clinical tests. This brings the question directly back to the probable effects of his accident. In my judgment this has played an important role in the trouble.'

"It, therefore, appears quite clear to me that Dillman's present trouble is due to injuries received by him while in the discharge of his duty when investigating the fire at 52 Willett Street, on March 28, 1914, and I therefore recommend that he be retired from active service on an annual sum or annuity to be fixed by the Board of Estimate and Apportionment."

The basis for Mr. Dillman's application for retirement is his slowly failing sight, which he claims is the direct result of injury incurred in the performance of duty.

Mr. Dillman has executed an affidavit, submitted herewith, containing the following statement:

"That on March 28, 1914, by the direction of the Fire Marshal in charge of the Boroughs of Manhattan, The Bronx and Richmond, I was assigned to investigate a fire which had been reported as suspicious on the premises No. 52 Willett Street, Manhattan.

"During the course of my investigation, I was directed by Lieutenant Harney, of Hook and Ladder No. 18, to look over the dangerous condition of the fire escapes leading from the third to the fourth floor, on the adjoining building, No. 50 Willett Street.

"As Lieutenant Harney and I stepped on the ladder of the fire escape leading from the third floor to the second floor at No. 50 Willett Street, this ladder broke from its fastening and dropped through the well hole of the fire escape platform. We jumped to save ourselves. I fell from the platform of the fire escape on the third floor to the platform on the second. As I fell, the iron ladder struck me in the lower part of the spine. It was my tour of night duty. When I awakened at Headquarters the next morning I reported to Medical Officer Banta. He strapped up my torso with adhesive plaster. Following this, I was under medical treatment for a week. Immediately afterward I noticed that my eyesight was impaired. I consulted with specialists at the Manhattan Ear and Eye Hospital. Glasses were prescribed, which failed to help. A blood and urine test was taken, but the results were negative.

"I next consulted with Dr. Edwin A. Fiske, of No. 152 Lafayette Avenue, Brooklyn. My power of vision was becoming less and less. Dr. Fiske advised me to consult Dr. John Ohly, of No. 22 Schermerhorn Street, Brooklyn, a well known eye specialist. He gave me medicinal treatment. He diagnosed the case as a retrobulbar neuritis with an atrophy of both eyes and a central skotoma, which translated into plain English is a shadow over both eyes. Dr. Ohly diagnosed my condition as permanent; that medical treatment would be of no avail. He said that he could not do anything further for me, but he advised that I see Professor Frederick Tilney, of the medical factulty of Columbia. Professor Tilney is a neurologist of repute in medical circles. He ordered blood and spinal tests. These tests were made by Dr. Luther Warren, Assistant Professor of Internal Medicine of the Long Island College Hospital.

"There are written statements from other prominent eye specialists, who confirm the diagnosis that my trouble is one of progressive blindness, for which the science of medicine has no cure.

"During my visits to these different specialists, Dr. Ohly kept me under constant observation. He reports, from his last examination, that my eyes are down to two hundredths—a medical test under which I can only see very indistinctly at a distance of two feet letters which are large enough to be seen plainly by the normal eye at a distance of 200 feet.

"Dr. Hugh Rogers, my family physician, of No. 202 Lewis Avenue, Brooklyn, also diagnoses the case as an atrophy of both eyes and the cause as concussion of the brain due to a fall or shock.

"In conclusion, let me state that nothing was overlooked to establish some foreign cause for my case of "progressive blindness." I submitted to six blood tests, six urine tests, and four spinal fluid tests, and all were in the negative."

There is also attached hereto an affidavit executed by John A. Harney, Lieutenant of the Hook and Ladder Company No. 18, stating as follows:

"John A. Harney, being duly sworn, deposes and says: That he is employed in the Fire Department of the City of New York, as Lieutenant of Hook and Ladder Company No. 18, located at 84 Attorney Street, New York City.

"Deponent states that his companay attended a fire at 52 Willet Street about 12.30 in the morning of March 28, 1914. During the progress of the fire he called Assistant Fire Marshal Dillman's attention to a dangerous condition of the fire escape on front of No. 50 Willet Street. Deponent and Dillman ascended to the second floor of the building by department ladder, thence to third floor by way of fire escape stairs. After the Marshal completed his investigation of stairs from third to fourth floor, deponent and Marshal began their return to the street. As deponent was about the fifth tread of stairs leading from the third to the second floor with Dillman about three treads behind, the stair broke from its fastenings and pitched down through the well hole. Deponent jumped and caught hold of a window and when he turned around he found Dillman lying in a half sitting position on balcony of fire escape on the second floor, where the said Dillman had been thrown when the iron stairs struck him in the back. Deponent assisted Dillman to his feet and guided him to the street by way of the department ladder as the said Dillman appeared to be in a dazed condition."

Dr. Francis M. Banta, Medical Officer of the Fire Department, who treated Mr. Dillman on the morning following the accident, has submitted the following statement, based on his recollection and office records:

"This is to certify that Mr. Rudolph Dillman, Assistant Fire Marshal of the Fire Department of the City of New York, was attended by me at the medical office, Borough of Manhattan, March 28th, 1914, and plaster applied to chest and back for the treatment of a contusion of the back, lower dorsal region, stated by him to have been the result of a fall at 50 Willet Street while investigating premises and in pursuance of his duties."

The said statement is attached hereto. The reports of the several physicians consulted by Mr. Dillman, quoted in the communication from the Fire Commissioner, herein previously contained, are also appended hereto.

There appears to be no question that the applicant's failing sight is the direct result of the injury sustained while inspecting the fire escape at 50 Willet Street, in the regular performance of his duties.

On June 21, 1915, Dr. J. H. Byrne, Medical Examiner to the Department of Finance, examined Mr. Dillman and reports as follows:

"Mr. Rudolph Dillman, employed as Assistant Fire Marshall, Fire Department, called at my office this morning in connection with his recommended retirement, as per direction of Deputy Comptroller Charles S. Hervey.

"Upon examination I find he is suffering from traumatic retro-bulbar neuritis with progressive atrophy of the optic nerves. He is nearly totally blind at this time and I regret to inform you that in my opinion he will never recover his sight.

"I therefore suggest that you recommend his retirement."

The said report is submitted herewith.

Mr. Dillman was appointed an Assistant Fire Marshal on April 12, 1912, at $1,500 per annum. On August 1, 1912, his salary was increased to $1,800 per annum.

We recommend the adoption of the accompanying resolution retiring from active service Rudolph Dillman, and awarding and granting him an annuity of $900.

Chapter 646 of the Laws of 1915 does not prescribe the manner of payment of such annuity, but as with the approval of the Board of Estimate and Apportionment it becomes a lawful claim against the City, and may be provided for by the issue of special revenue bonds, as provided in subdivision 7, section 188 of the charter.

It might be well, however, for the year 1916 and thereafter, to include this item in the Budget, as is done in the case of John T. Mayers, a former Driver in the Fire Department, who was retired under the provisions of chapter 372 of the Laws of 1903. The latter statute, it is true, contains the specific provisions that the award authorized therein should be included in the Budget, but the same procedure would seem the proper one in this case. Respectfully submitted,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; Committee on Salaries and Grades.

The following was offered:

Whereas, Rudolph Dillman, employed as an Assistant Fire Marshal in the Fire Department, has made application for retirement under the provisions of chapter 646 of the Laws of 1915; and

Whereas, The said Rudolph Dillman has become disabled from injuries received while in the discharge of his duties, therefore, be it

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of chapter 646 of the Laws of 1915, hereby does retire from active service Rudolph Dillman, employed as an Assistant Fire Marshal in the Fire Department, and hereby awards and grants to said Rudolph Dillman an annual sum or annuity of nine hundred dollars ($900); this resolution to take effect as of the first day of July, nineteen hundred and fifteen; and be it further

Resolved, That the Comptroller of The City of New York be, and he is hereby, directed to pay said annuity to said Rudolph Dillman during his lifetime, in equal monthly installments.

Which was adopted by the following vote:

Affirmative—The Mayor, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—13.

Law Department—Authority to Fill Vacancies and Establishment of Grade of Position of Stenographer and Typewriter (Cal. No. 5).

The Secretary presented a communication dated June 17, 1915, from the Corporation Counsel, requesting authority to fill vacant positions of Stenographer and Typewriter allowed in the Budget for 1915; and the following report of the Committee on Salaries and Grades:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, June 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 17, 1915, the Corporation Counsel requested authority to fill four vacant positions of Typewriter in the Law Department. The Bureau of Standards reports thereon as follows:

"The request of the Corporation Counsel is for an authorization, pursuant to the provisions of Resolution IIc of the 1915 budget, to fill four vacancies in the position of Typewriter in the main office. The salary of one of the places is $1,200, two are $1,050 and the fourth is $750. On June 24, 1915, the Corporation Counsel amended his original request to fill all the vacancies by appointments from the Civil Service list to the extent of asking approval of the transfer of Florence Lewengood, Stenographer and Typewriter, at $1,050, in the Bureau of Street Openings of the Law Department, to the $1,050 vacancy in the main office. The Corporation Counsel states that it is necessary to fill these vacancies at once on account of the approaching vacation period, during which time the number of Stenographers available for duty is much less than at any other time of the year. The duties of the position fall within the Stenographer Group, Grade 1, of the proposed standard specifications, with a minimum salary of $720 per annum. The lowest salary fixed for the position in the Law Department, pursuant to the provisions of section 56 of the Charter, is $750 per annum. No increase in salary or appropriation is involved by reason of the request."

The representative of the Corporation Counsel has agreed to this.

In view of the facts stated in the report of the Bureau of Standards, we recommend the adoption of the attached resolution approving the transfer of Florence Lewengood, Stenographer and Typewriter, from the Bureau of Street Openings, to the main office at a salary of $1,050 per annum, authorizing the filling of three vacant positions of Stenographer and Typewriter, at salaries of $750 per annum each, pending establishment of the minimum rate at $720 and establishing the $720 rate for 3 incumbents. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, 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 terms and conditions of resolution "Second (c)" accompanying the Budget for the year 1915, hereby authorizes the Corporation Counsel to fill a vacant position of Stenographer and Typewriter at $1,050 per annum in the main office by the transfer of Florence Lewengood, Stenographer and Typewriter, at $1,050 per annum from the Bureau of Street Openings, and to fill three vacant positions of Stenographer and Typewriter at $1,200, $1,050 and $750 per annum, respectively, by appointments at the rate of $750 per annum, each, pending the establishment of the rate of $720 per annum, and specifically waives the minimum clause of said resolution in these cases.

Which was adopted by the following vote:

Affirmative—The Mayor, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—13.

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 of the grade of position in the Law Department, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Stenographer and Typewriter	$720 00	Three

Which was adopted by the following vote:

Affirmative—The Mayor, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Boroughs of Richmond—13.

Department of Water Supply, Gas and Electricity—Modification of Schedule (Cal. No. 6).

The Secretary presented a communication dated June 25, 1915, from the Commissioner of Water Supply, Gas and Electricity, requesting modification of schedule for 1915; and the following report of the Committee on Salaries and Grades, recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 3, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 25, 1915, the Commissioner of Water Supply, Gas and Electricity requested modification of a wage schedule in his department for 1915.

The Bureau of Contract Supervision reports thereon as follows:

"The request is in Personal Service, Wages, Regular Employees, Water Supply, Collection and Storage, 2183, Tax Levy Force. It is proposed to add two Laborers, at $2.50 per day, for 294 days and 295 days, respectively, a total increase of $1,472.50, which is to be provided for by eliminating the lines, 'Keeper, at $1,200,' and 'Balance Unassigned, $272.50.'

"On February 19, 1915, the Board of Estimate and Apportionment approved a modification of this schedule, changing a Foreman, at $4 per day, and a Laborer, at $2.50 per day, for 365 days each, to 'Keeper, at $1,200' and 'Automobile Engineman, at $900.' scheduling the $272.50 balance as unassigned. This change was made, in part, to provide for the services of Walter J. Sager, a keeper, for whom no allowance was made in the 1915 budget, on the assumption that he would be retired prior to January 1, 1915. Mr. Sager's retirement became effective on July 1, 1915.

"If the two proposed additional Laborers were employed on the seven days per week basis, the annual cost would be $1,825, and if on a six days per week basis, $1,515. As only $1,472.50 is available for modification purposes, the proposed changes would require the use of accruals, which is contrary to the resolutions governing the 1915 budget.

"The Commissioner's attention has been called to this fact and he has therefore verbally amended his request so that it provides for one additional Laborer for 365 days, and for increasing the present balance unassigned by $287.50. The services of an additional Laborer is necessary in order to provide a driver for the auto truck, as the department has thus far been unable to fill the position of Automobile Engineman at the $900 rate."

In view of the foregoing, we recommend the adoption of the attached resolution granting the amended request. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; Committee on Salaries and Grades.

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 1915, as follows:

Personal Service, Wages, Regular Employees, Water Supply, Collection and Storage.

2183	Tax Levy Force—	
	Foreman, 2 at $5 per day (365 days)	$3,650 00
	Foreman, 2 at $4 per day (365 days)	2,920 00
	Foreman, 1 at $3.50 per day (303 days)	1,060 50
	Foreman, 1 at $3 per day (365 days)	1,095 00
	Foreman, 2 at $3 per day (303 days)	1,818 00
	Assistant Foreman, 4 at $3 per day (365 days)	4,380 00
	Assistant Foreman, 2 at $3 per day (303 days)	1,818 00
	Carpenter, 1 at $5 per day (303 days)	1,515 00
	Machinist, 1 at $4.50 per day (365 days)	1,642 50
	Painter, 2 at $4 per day (303 days)	2,424 00
	Mason, 1 at $4 per day (303 days)	1,212 00
	Lineman, 1 at $3 per day (365 days)	1,095 00
	Laborer, 78 at $2.50 per day (365 days)	71,175 00
	Laborer, 83 at $2.50 per day (303 days)	62,872 50
	Automobile Engineman	900 00
	Balance unassigned	560 00
	Schedule Total	$160,137 50

Which was adopted by the following vote:

Affirmative—The Mayor, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—13.

Department of Correction—Authority to Fill Vacancy (Cal. No. 7).

The Secretary presented a report of the Committee on Salaries and Grades on the request of the Commissioner of Correction for permission, in pursuance of Budget resolution Second (c) for 1915, to fill a vacant position.

The Bureau of Standards reports to the Committee that the position of Hospital Helper, at $480 per annum, is vacant, and the Commissioner desires to fill it at the same salary. The work falls within the first grade of tentative specifications for the Hospital Clerk Group of the Institutional Service, with an initial salary of $300 per annum, with maintenance.

In view of this report, the Committee recommends the filling of the vacant position at $300 per annum.

Dr. Katherine Bement Davis, Commissioner of Correction, appeared in opposition to the report and requested that the matter be referred back to the Committee on Salaries and Grades.

The matter was referred back to the Committee on Salaries and Grades.

Bellevue and Allied Hospitals—Establishment of Grade of Positions (Cal. No. 8).

The Secretary presented a communication, dated May 26, 1915, from the Board of Trustees of Bellevue and Allied Hospitals requesting modification of schedules for 1915; and the following report of the Committee on Salaries and Grades:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, June 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 26, 1915, the Board of Trustees of Bellevue and Allied Hospitals requested modification of three salary schedules for the year 1915. The Bureau of Standards reports thereon as follows:

"It is proposed to increase the salary of Sylvia T. Barteau, Hospital Clerk, from $900 to $1,200 per annum, without maintenance.

"A request was made on June 17, 1914, to increase this salary from $900 to $1,050, to take effect as of June 1, 1914. It was desired to increase the salary to $1,200, but, on the ground that the Trustees would endeavor to secure an increase to $1,200 dating from January 1, 1915, Miss Barteau consented to remain at Bellevue the last half of that year at $1,050.

"In July, 1914, the Bureau of Standards prepared a favorable report; in September the papers were returned by the President of the Board of Aldermen, to be considered in budget estimate for 1915. Miss Barteau has declined offers of positions at $1,200 per annum, in the belief that she would obtain that salary in the City service. Following are some of the positions that have been offered:

"Boston Hospital—This institution employed Florence Babcock, the assistant to Miss Barteau, who received $480 per year in Bellevue. She now receives a larger salary than Miss Barteau.

"Flower Hospital offered Miss Barteau $1,200 as an initial salary about two years ago. A St. Louis hospital offered her $1,200 or better last year. The New York Hospital offered her $1,200 in June, 1914. Memorial Hospital of Richmond, Va., offered her $1,200 in June, 1914.

"All of these offers were declined on advice of persons interested in the record bureau of Bellevue.

"There have been no increases allowed for the Record Rooms for about five years. During that time responsibility has increased, new methods have been introduced and about 200,000 records added.

"In this Bureau at present there are about 1,200,000 different records, in addition to those in book form.

"Many of the improved methods have been initiated and installed by Miss Barteau.

"The position demands a person qualified as medical statistician. The clerk in charge must compile monthly a statistical table on all cases coming into the hospital, showing all conditions in detail, including mortality, cause, etc. She must also prepare a detailed statistical table on all accident cases, showing character of violence, etc., in conformity with the requirements of the Workmen's Compensation Law. She also prepares all data of this character for the quarterly and annual reports.

"The title and compensation as well as the work to be performed fall in the second grade of the Hospital Clerk Group of the proposed specifications, with a salary range of from $840 to $1,200 per annum without maintenance. Advancement within this grade is conditional upon appraisal under the rules of the Board of Estimate and Apportionment, indicating that the rate requested does not exceed the value of the work to be performed.

"The request involves an increase in salary of $300 per annum to the maximum rate in the grade.

"It is further requested that the salary of Agnes Aikman, Trained Nurse, be increased from $900 to $1,200.

"This Nurse is in charge of the School for Midwives and is practically an Assistant Superintendent of Training School. There are from 25 to 30 women in training for midwives. Assisting Mrs. Aikman in this work are two Trained Nurses during the day and one Trained Nurse during the night.

"The title and compensation as well as the work to be performed fall in the third grade of the Nurse Group of the proposed specifications with an initial salary of $1,320.

"The request involves a salary increase of $300 per annum to a rate $120 less than the minimum of the grade.

"It is further requested that the salary of David L. Collins, Foreman of Drivers, be increased from $1,050 to $1,200 per annum.

"The duties of Mr. Collins include the directing and supervising the work of all Automobile Enginemen and Ambulance Drivers in the Department. There are four stables in which are a total of 21 Drivers and Auto Enginemen, with salaries ranging from $600 to $1,200 per annum, and 16 Hospital Helpers with salaries ranging from $180 to $300 per annum. Two of the above employees have a salary of $1,200 per annum, or $150 per annum more than the Foreman of Drivers.

"Mr. Collins has had no increase in salary since 1912.

"The standard specifications for this position have not been completed, but the Bureau will probably propose a minimum of $1,200 for the work.

"The increase in salary of the above named three incumbents cannot be made at this time as the positions at the requested salary are not established by the Board of Aldermen."

In view of the above facts, we recommend the adoption of the following resolution to establish the above positions and grades of positions in the Bellevue and Allied Hospitals. Respectfully,

WM. A. PRENDERGAST, Comptroller; HENRY H. CURRAN, 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 of grades of positions in Bellevue and Allied Hospitals, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.	Number of Incumbents.
Hospital Clerk	$1,200 00	One
Trained Nurse	1,200 00	One
Foreman of Drivers	1,200 00	One

Which was adopted by the following vote:

Affirmative—The Mayor, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—13.

Department of Parks, Boroughs of Manhattan and Richmond—Modification of Schedule (Cal. No. 9).

The Secretary presented a communication dated June 10, 1915, from the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting modification of schedule for 1914; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, June 23, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 10, 1915, the Department of Parks, Manhattan and Richmond, requested modification of Account No. 1121 in the Budget for the year 1914. The Bureau of Standards reports thereon as follows:

"The purpose of the request is to provide funds for reconciling with the prevailing rate the wages paid to Charles H. Piper, an Electrician, in Account 1121 of 1914, Wages, Regular Employees—Care of Parks and Boulevards. The rate of $4.80 per day for Electrician was recommended by your Board on May 8th, 1914, approved by the Board of Aldermen June 2, 1914, and signed by the Mayor June 6, 1914. Mr. Piper was employed continuously during the period of his claim, June 6 to December 31, 1914—a total of 173 working days—and compensated at the rate of $4.50 per day, against which he entered protest, instead of $4.80, the prevailing rate. His claim calls for additional compensation of 30 cents per day for 173 days—a total of $51.90. The funds for the payment of the amount claimed are to be provided out of an unexpended balance in Account No. 1121 of the Budget for 1914."

In view of the above facts we recommend that the request be granted by the adoption of the attached resolutions.

Respectfully,

WM. A. PRENDERGAST, Comptroller; HENRY H. CURRAN, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, By the Board of Estimate and Apportionment, that the request of the Department of Parks, Boroughs of Manhattan and Richmond, dated June 10, 1915, for the modification of schedule 1121 for the year 1914 to provide the sum of $51.90 for the purpose of meeting the payment to Charles H. Piper, an Electrician, of thirty (30) cents additional per diem for the period of 173 days, from June 6 to December 31, 1914, be and the same is hereby approved, on condition that the claimant furnishes a general release of all claims he may have against the city.

Which was adopted by the following vote:

Affirmative—The Mayor, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—13.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the modification of the schedule for the Department of Parks, Boroughs of Manhattan and Richmond, for the year 1914, as follows:

Personal Service, Wages Regular Employees, Care of Parks and Boulevards.

1121	Foreman, 1 at $4.25 per day (365 days)	$1,551 25
	Foreman, 23 at $3.50 per day (365 days)	29,382 50
	Steam Engineer, 3 at $4.50 per day (361 7/45 days)	4,875 60
	Machinist, 1 at $5 per day (365 days)	1,825 00
	Blacksmith, 5 at $4.50 per day (278 days)	6,255 00
	Blacksmith's Helper, 5 at 3.50 per day (278 days)	4,865 00
	Machinist's Helper, 1 at $2.50 per day (365 days)	912 50
	Machinist's Helper, 1 at $2.50 per day (303 days)	757 50
	Rigger, 1 at $3.75 per day (303 days)	1,136 25
	Carpenter, 22 at $5 per day (278 days)	30,580 00
	Stoker, 6 at $3 per day (365 days)	6,570 00
	Painter, 18 at $4 per day (278 days)	20,016 00
	Painter (Decorator), 4 at $4.50 per day (278 days)	5,004 00
	Electrician, 1 at $4.50 per day (303 days)	1,363 50
	Electrician, 1 at $4.80 per day (10 13/16 days)	51 90
	Driver, 6 at $3.50 per day (365 days)	7,665 00
	Stonecutter, 1 at $4.80 per day (278 days)	1,334 40
	Gardener, 1 at $4.50 per day (365 days)	1,642 50
	Gardener, 5 at $3.50 per day (365 days)	6,387 50
	Gardener, 45 at $2.50 per day (365 days)	41,062 50
	Pipe Fitter, 1 at $5.50 per day (278 days)	1,529 00
	Housesmith, 4 at $5 per day (278 days)	5,560 00
	Plumber, 1 at $5.50 per day (365 days)	2,007 50
	Plumber, 4 at $5.50 per day (278 days)	6,116 00
	Plumber's Helper, 2 at $3.25 per day (278 days)	1,807 00
	Tinsmith, 2 at $5 per day (278 days)	2,780 00
	Mason, 4 at $5 per day (278 days)	5,560 00
	Wheelwright, 3 at $4 per day (278 days)	3,336 00
	Harnessmaker, 2 at $4 per day (278 days)	2,224 00
	Stableman, 13 at $2.50 per day (365 days)	11,862 50
	Stableman, 1 at $2.75 per day (365 days)	1,003 75
	Schedule Total	$217,023 65

Which was adopted by the following vote:

Affirmative—The Mayor, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—13.

Magistrates' Court—Establishment of Grades of Positions, Issue of Special Revenue Bonds and Modification of Schedules (Cal. No. 10).

The Secretary presented a report of the Committee on Salaries and Grades on the request of Hon. William McAdoo, Chief City Magistrate, for the establishment of various grades of positions required to carry out the provisions of chapter 531 of the Laws of 1915, and for funds to meet the salaries and expenses thereunder.

The Committee recommends (1) the establishment of the necessary grades of positions, (2) the issue of special revenue bonds to pay the salaries and expenses, and (3) the modification of appropriate schedules to include the additional allowance.

Hon. William McAdoo, Chief City Magistrate, appeared in support of the request.

The matter was laid over to July 14, 1915.

Children's Court—Establishment of Grades of Positions, Issue of Special Revenue Bonds and Modification of Schedules (Cal. No. 11).

The Secretary presented a report of the Committee on Salaries and Grades on the request of Hon. Franklin Chase Hoyt, Presiding Justice of the Children's Court, for the establishment of various grades of positions required to carry out the provisions of chapter 531 of the Laws of 1915, and for funds to meet the salaries and expenses thereunder.

The Committee recommends: (1) the establishment of the necessary grades of positions; (2) the issue of special revenue bonds to pay the salaries and expenses, and (3) the modification of appropriate schedules to include the additional allowance.

The matter was laid over to July 14, 1915.

Department of Docks and Ferries—Authority to Fill Vacancy (Cal. No. 12).

The Secretary presented a communication dated June 25, 1915, from the First Deputy and Acting Commissioner of Docks, requesting authority to fill vacant position of Oiler for a temporary period; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 25, 1915, the First Deputy and Acting Commissioner of Docks, pursuant to the terms and conditions of Resolution II-c, governing the Budget of 1915, requested permission to fill, by a temporary appointment, a vacant position in his department. This request was referred to the Bureau of Contract Supervision on June 28, 1915, which bureau reports thereon as follows:

"This request is to fill a vacant position of Oiler at $95 per month for a period of three months beginning July 1, 1915. This vacancy occurred through the granting of a leave of absence without pay to one of the Oilers engaged in the ferry service. The position falls within Grade 1 of the Marine Engineman Group of the proposed standard specifications, with an initial salary of $840 per annum or $70 per month. As there is no established position at a rate less than $1,140 per annum and $95 per month, and as the position to be filled is for a period of but three months when the former incumbent is to be reinstated, it seems proper that the request should be granted."

In view of the foregoing, we recommend the adoption of the attached resolution granting the request. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, 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 terms and conditions of resolution "Second (c)" accompanying the Budget for the year 1915, hereby authorizes the Commissioner of Docks to fill a vacant position of Oiler, at $95 per month, for a temporary period of three months, beginning July 1, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

From Select and Special Committees.

Department of Finance—Application of Mrs. Elizabeth Bischoff, Under Chapter 375, Laws of 1915 (Cal. No. 13).

The Secretary presented a report of the Committee, consisting of the Comptroller and the Corporation Counsel, recommending approval of the application of Mrs. Elizabeth Bischoff, widow of the late Henry Bischoff, Justice of the Supreme Court of the State of New York, First Judicial Department, for an allowance of $5,912.90, pursuant to the provisions of chapter 375 of the Laws of 1915, this being the amount of annual compensation of said Justice unpaid by the City and County of New York for the calendar year 1913, which would have been earned by him had he lived until the close of that year and had served as such Justice.

(On May 28, 1915 (No. 183), and on June 11, 1915 (Cal. No. 126), the above application was referred to said Committee.)

The matter was laid over until July 29, 1915.

Department of Finance—Application of Mrs. Minnie E. O'Sullivan, Under Chapter 473, Laws of 1915 (Cal. No. 14).

The Secretary presented a report of the Committee, consisting of the Comptroller and the Corporation Counsel, recommending approval of the application of Mrs. Minnie L. O'Sullivan, widow of the late Thomas C. O'Sullivan, Judge of the Court of General Sessions, for an allowance of $5,003.80, pursuant to the provisions of chapter 473 of the Laws of 1915, this being the amount of annual compensation of said Justice unpaid by the City and County of New York for the calendar year 1913, which would have been earned by him had he lived until the close of that year and had served as such Justice.

(On May 28, 1915 (Cal. No. 132), the above application was referred to said Committee.)

The matter was laid over until July 29, 1915.

From the Department of Finance.

Department of Public Charities; Board of Estimate and Apportionment; Tenement House Department; Department of Bridges; Department of Health; Department of Water Supply, Gas and Electricity, and the Department of Docks and Ferries—Transfer of Appropriations (Cal. No. 15).

The Secretary presented a report of the Committee on Finance of the Board of Aldermen relative to the request of the Commissioner of Public Charities for an issue of $20,070 special revenue bonds to pay salaries from July 1 to December 31, 1915, of help needed to replace Hospital Helpers employed in the Central Office, Boroughs of Manhattan and Brooklyn, and in the Bureau of Dependent Adults and Children's Bureau, Borough of Manhattan; and the following report of the Comptroller:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, July 6th, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—The Municipal Civil Service Commission has notified the Commissioner of Public Charities that the assignment of Hospital Helpers to work in positions other than those in the institutions properly described by the title Hospital Helper, are in violation of the civil service law, and that payrolls carrying such positions will not be passed by the Municipal Civil Service Commission after July 1st, 1915. Sixty-four such positions have been specified as coming within this violation, as follows:

Central Office, Manhattan	18
Central Office, Brooklyn	13
Bureau of Dependent Adults, Manhattan	26
Children's Bureau, Manhattan	7
	64

It has become necessary, therefore, to provide funds from which the salaries of persons eligible under the civil service law may be paid for the work which Hospital Helpers have previously done in the places mentioned.

The amount required on an annual basis for the services of Hospital Helpers in these positions is $31,620, divided as follows:

Code 1938—Administration	$9,480 00
Code 1941—Bureau of Dependent Adults	12,840 00
Code 1942—Children's Bureau, Manhattan	3,120 00
Code 1943—Central Office, Brooklyn	6,180 00
	$31,620 00

The services of persons under the title of Hospital Helper in many of these positions have been obtained at rates of compensation smaller than it would be possible to obtain the services of persons eligible under civil service law who are equally competent to perform the work. It will, therefore, be necessary to make provision for a somewhat larger amount on the annual basis to provide the new schedules. This amount has been estimated at $40,000. For the remaining six months of the year 1915 it will be necessary to provide $20,000 in cash upon that basis.

The Mayor has made every effort to avoid the necessity of requesting a revenue bond issue for this purpose and has caused a careful analysis of the accounts of his departments to be made. As a result of this investigation he requests the following transfers:

FROM

Board of Estimate and Apportionment, Code 31	$2,650 00
Tenement House Department, Code 2125	450 00
Tenement House Department, Code 2126	750 00
Department of Bridges, Code 2746TC	1,125 00
Department of Health, Code 1824	750 00
Department of Health, Code 1817	450 00
Department of Water Supply, Gas and Electricity, Code 2151	300 00
Department of Water Supply, Gas and Electricity, Code 2153TW	450 00

Department of Water Supply, Gas and Electricity, Code 2154	600 00
Department of Water Supply, Gas and Electricity, Code 2161	3,450 00
Department of Water Supply, Gas and Electricity, Code 2165	150 00
Department of Water Supply, Gas and Electricity, Code 2168	450 00
Department of Water Supply, Gas and Electricity, Code 2169	6,540 00
Department of Docks and Ferries, Code 2800	910 00
Department of Docks and Ferries, Code 2801	1,500 00
Department of Docks and Ferries, Code 2806	600 00
Department of Docks and Ferries, Code 2823	1,650 00
	$22,775 00

TO

Department of Public Charities, Code 1910	$7,000 00
Department of Public Charities, Code 1914	15,775 00
	$22,775 00

It is the earnest wish of the Commissioner of Public Charities to make the necessary changes gradually. So far as possible he wishes to provide the necessary civil service employees by transfer from positions in other departments which are made unnecessary by reorganizing the work of these departments. He wishes also to transfer the present Hospital Helpers employed in the places mentioned to proper work in the various institutions. For this reason he urges that the Board of Estimate and Apportionment adopt, in addition to the resolution transferring the money, a resolution urging the Municipal Civil Service Commission to suspend action for a reasonable time, in order to permit the necessary adjustments to be made.

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 of the transfer of funds appropriated for the year 1915, as follows:

FROM

THE BOARD OF ESTIMATE AND APPORTIONMENT.

Personal Service, Salaries Regular Employees.

31	Committee on Port and Terminal Facilities	$2,650 00

TENEMENT HOUSE DEPARTMENT.

Personal Service, Salaries Regular Employees, Administration.

2125	Executive	450 00

TENEMENT HOUSE DEPARTMENT.

Personal Service, Salaries Regular Employees, Administration.

2126	Audit and Accounts	750 00

DEPARTMENT OF BRIDGES.

Personal Service, Salaries Regular Employees, Administration, Engineering Supervision.

2746TC	Tax Levy	1,125 00

DEPARTMENT OF HEALTH.

Personal Service, Salaries Regular Employees, Promoting Public Health.

1824	Infants' Milk Stations	750 00

DEPARTMENT OF HEALTH.

Personal Service, Salaries Regular Employees, Administration.

1817	Executive	450 00

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Salaries Regular Employees, Administration, Executive.

2151	Tax Levy Force	300 00

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Salaries Regular Employees, Administration, Purchase and Storage of Supplies.

2153TW	Tax Levy Force	450 00

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Salaries Regular Employees, Administration, Purchase and Storage of Supplies.

2154	Tax Levy Force	600 00

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Salaries Regular Employees, Collection and Storage.

2161	Tax Levy Force	3,450 00

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Salaries Regular Employees, Distribution.

2165	Tax Levy Force	150 00

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service—Salaries Regular Employees, Analyzing and Testing.

2168	Tax Levy Force	450 00

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Salaries Regular Employees, Water Revenue Collection.

2169	Tax Levy Force	6,540 00

DEPARTMENT OF DOCKS AND FERRIES.

Personal Service, Salaries Regular Employees, General Administration.

2800	Executive	910 00

DEPARTMENT OF DOCKS AND FERRIES.

Personal Service, Salaries Regular Employees, General Administration.

2801	Audit and Accounts	1,500 00

DEPARTMENT OF DOCKS AND FERRIES.

Personal Service, Salaries Regular Employees, Docks, Piers, Bulkheads and Marginal Streets.

2806	Administration	600 00

DEPARTMENT OF DOCKS AND FERRIES.

Personal Service.

2823	Salaries and Wages	1,650 00
		$22,775 00

TO

DEPARTMENT OF PUBLIC CHARITIES.

Personal Service, Salaries Regular Employees, Administration.

1910	General	$7,000 00

DEPARTMENT OF PUBLIC CHARITIES.

Personal Service, Salaries Regular Employees, Non-Institutional Care for Dependents, Dependent Sick or Poor, Adults

1914	Manhattan and The Bronx	15,775 00
		$22,775 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby requests the Municipal Civil Service Commission to suspend action on the matter of the employment of Hospital Helpers in the Department of Public Charities on work outside of institutions, to allow the Commissioner of said Department a reasonable time to make the necessary adjustments of his force, to enable him to secure the necessary civil service employees by transfers from positions in other departments rendered unnecesary by work reorganizations, and to transfer the Hospital Helpers in question to proper work in the various institutions.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

President, Borough of Manhattan—Transfer of Appropriation and Modification of Schedules (Cal. No. 16).

The Secretary presented a communication dated May 20, 1915, from the President of the Borough of Manhattan, requesting a transfer within the appropriation for 1915; and the following report of the Comptroller recommending approval thereof and modification of schedules:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 22, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 25, 1915, you referred to me a communication dated May 20, 1915, from the President of the Borough of Manhattan, requesting transfer in the sum of $3,400, within appropriations to his office for the year 1915.

The Bureau of Contract Supervision reports thereon as follows:

"It is proposed to transfer $900 from Transportation, Storage of Motor Vehicles, No. 433, Administration and Public Works, and $2,500 from Contract or Open Order Service, No. 424, General Repairs, Care of Public Buildings and Offices; $300 to General Plant Materials, No. 422TS, Care of Municipal Building; $300 to Contract or Open Order Service, General Repairs, No. 424, Administration and Public Works; $300 to Contract or Open Order Service, General Plant Service, No. 442, Administration and Public Works, and $2,500 to Purchase of Equipment, No. 412, Care of Public Buildings and Offices.

"The unencumbered balances as of June 19, 1915, of the accounts to which transfers are requested are as follows: No. 422B, $8.96; No. 424A, $23.63; No. 442A, overencumbered, $1.74, and No. 412D, $90.57. The requisitions chargeable to the aforementioned accounts which are now awaiting these transfers amount to over $600.

"After a careful analysis of the expenditures from these accounts, including outstanding liabilities, it is believed that the transfers should be made in order that the accounts may be replenished in an amount deemed to be necessary for the requirements for the remainder of the year.

"Sufficient balances remain in the accounts to permit of the debit transfers."

In view of the foregoing I recommend the adoption of the attached resolutions granting the request and modifying the schedules involved.

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 of the transfer of funds appropriated to the office of the President of the Borough of Manhattan for the year 1915, as follows:

FROM

Contract or Open Order Service, Transportation.

433	Storage of Motor Vehicles	$900 00
424	General Repairs	2,500 00
		$3,400 00

TO

Purchase of Equipment.

412	General Plant Equipment	$2,500 00

Materials.

422TS	General Plant Materials	300 00

Contract or Open Order Service.

424	General Repairs	300 00
442	General Plant Service	300 00
		$3,400 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following reslution 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 Manhattan, for the year 1915, as follows:

Purchase of Equipment.

412	General Plant Equipment—	
	Administration and Public Works	$1,500 00
	Care of Highways	3,500 00
	Care of Sewers	7,825 00
	Care of Public Buildings and Offices	5,900 00
	Care of Municipal Building	5,000 00
		$23,725 00

Materials.

422TS	General Plant Materials—	
	Care of Public Buildings and Offices	$2,800 00
	Care of Municipal Building	800 00
	Asphalt Plant	3,200 00
	Total General Plant Materials	$6,800 00
	Tax Levy Allowance	$6,160 00
	Special and Trust Fund Allowance	640 00
	Total Allowance	$6,800 00

Contract or Open Order Service.

424	General Repairs—	
	Administration and Public Works	$700 00
	Care of Highways—	
	Roadways, Viaducts and Stone Pavements	1,400 00
	Pavements Other Than Stone:	
	General	60,000 00
	Due to Fire Burns	1,400 00
	Due to Unknown Causes	9,000 00
	Due to Cuts Made by the Department of Water Supply, Gas and Electricity	13,000 00
	Sidewalks in Front of City Property	200 00
	Care of Sewers	33,950 00
	Care of Public Buildings and Offices	33,500 00
	Care of Municipal Building	400 00
		$153,550 00

Transportation.

433	Storage of Motor Vehicles—	
	Administration and Public Works	$1,140 00
	Supervision of Building, Construction and Alteration	240 00
		$1,380 00
442	General Plant Service—	
	Administration and Public Works	$950 00
	Care of Public Buildings and Offices	2,800 00
	Care of Municipal Building	900 00
		$4,650 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

DAMAGED PAGE

Department of Education—Transfer of Appropriation and Modification of Schedules (Cal. No. 17).

The Secretary presented a resolution adopted by the Board of Education on June 23, 1915, requesting a transfer of funds from within the Special School Fund appropriation for 1914; and the following report of the Comptroller recommending approval thereof, and modification of schedules:

City of New York, Board of Estimate and Apportionment, Municipal Building, Committee on Education, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 23, 1915, the Board of Education requested transfer of funds within the Special School Fund for the year 1914, as follows:

FROM

Educational and Recreational Equipment, Equipment of Open Air Classes.

910 Borough of Queens $51 20

TO

General Plant Service, Purchase of Water.

966 Borough of Queens 51 20

The proposed transfer is requested to meet the payment of a bill from the Sage Foundation Homes Company for water furnished to Public School No. 3, Annex, Queens, from April 1 to December 31, 1914. The lease which the City has on Public School No. 3 Annex calls for the payment of the water charges. Under date of April 22, 1915, the Board of Estimate and Apportionment granted a transfer of $1,372.80 to provide for the payment of water bills in the Borough of Queens, at which time it was stated that as the transfer then made was somewhat less than the amount of the contingent liability on claims, subsequent transfers were contemplated.

The status of the 1914 account to be debited, as per the books of the Department of Education and the Department of Finance, is as follows:

Educational and Recreational Equipment, Equipment for Open Air Classes.

910 Borough of Queens—
Appropriation $1,578 00
Expenditures 1,180 00

Unexpended Balance $398 00

The balance in account 910 permits of the transfer of $51.20 being made.

The account to which it is proposed to transfer funds has no balance and appears as follows on the books of both the Department of Education and the Department of Finance:

General Plant Service, Purchase of Water.

966 Borough of Queens—
Appropriation as modified $8,872 80
Expenditures 8,872 80

The attached resolutions granting the request are submitted for adoption.

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 of the transfer of funds appropriated to the Department of Education for the year 1914, as follows:

FROM

Educational and Recreational Equipment, Equipment of Open Air Classes.

910 Borough of Queens $51 20

TO

General Plant Service, Purchase of Water.

966 Borough of Queens $51 20

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Education for the year 1914, as follows:

Educational and Recreational Equipment, Equipment of Open Air Classes.

910 Borough of Queens $1,526 80

General Plant Service, Purchase of Water.

966 Borough of Queens $8,924 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Correction—Transfer of Appropriation and Modification of Schedules (Cal. No. 18).

The Secretary presented a communication, dated June 11, 1915, from the Commissioner of Correction, requesting a transfer within the appropriation for said Department for 1915; and the following report of the Comptroller recommending approval thereof and modification of schedules:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 12, 1915, you referred to me a communication dated June 11, 1915, from the Department of Correction, requesting a transfer in the sum of $300 within appropriations for the year 1915.

The Bureau of Contract Supervision reports thereon as follows:

"It is proposed to transfer this amount from No. 2678, Donations to Discharged Prisoners, to No. 2679, Transportation of and Donations, Insane Criminals.

"Account No. 2679 is practically depleted, and provision must be made for the transportation and purchase of clothing for prisoners who develop insanity, necessitating their immediate removal to Matteawan Asylum for Criminal Insane.

"A sufficient balance remains in Account No. 2678 to permit of the transfer."

In view of the foregoing, I recommend the adoption of the attached resolution granting the request, and modifying the schedules involved.

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 of the transfer of funds appropriated to the Department of Correction for the year 1915, as follows:

Fixed Charges and Contributions.

FROM

2678 Donations to Discharged Prisoners..... $300 00

TO

2679 Transportation of and Donations to Insane Criminals..... $300 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, hereby approves of the schedules, as revised, for the Department of Correction for the year 1915, as follows:

Fixed Charges and Contributions.

2678 Donations to Discharged Prisoners..... $1,700 00
2679 Transportation of and Donations to Insane Criminals..... 1,400 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Correction—Transfer of Appropriation and Modification of Schedules (Cal. No. 19).

The Secretary presented a communication, dated June 3, 1915, from the Commissioner of Correction, requesting a transfer of $550, within the appropriation for said Department for 1915; and the following report of the Comptroller recommending approval thereof to the extent of $350, and modification of schedules:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 4, 1915, you referred to me a communication, dated June 3, 1915, from the Department of Correction requesting transfer in the sum of $550 within their appropriations for the year 1915.

The Bureau of Contract Supervision reports thereon as follows:

"It is proposed to transfer $200 from No. 2656, Laundry, Cleaning and Disinfecting Supplies, and $350 from No. 2671. Shoeing and Boarding Horses, including Veterinary Service; $200 to No. 2659 Botanical and Agricultural Supplies, and $350 to No. 2677, Contingencies.

"Owing to the liquidation of an open market order in the amount of nearly $200 in Account No. 2659, which at the time of this request did not appear on the books of the Department of Correction, the unencumbered balance has been increased to an amount which at this time appears to be sufficient to answer the estimated requirements for the remainder of the year. The transfer to this account therefore is unnecessary. This has been agreed to by the Department.

"Expenditures from Account No. 2677 have greatly exceeded the contemplated requirements at the preparation of the Budget. Expenses of witnesses and the taking of testimony at the trial of an employee of the department, the hire of an automobile for the Commissioner while the department car was laid up for repairs, and the rental of a tabulating machine for expense accounting purposes, have exhausted the account. The transfer is requested in order to provide for the reimbursement of employees for supper money, taxicab service for the Commissioner, and monthly rental of tabulating machine. A sufficient balance remains in Account No. 2671 to permit of this transfer."

In view of the foregoing, I recommend the adoption of the attached resolution granting the request to the extent of $350 and modifying the schedules involved.

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 of the transfer of funds appropriated to the Department of Correction for the year 1915, as follows:

FROM

Transportation.

2671 Shoeing and Boarding Horses, Including Veterinary Service..... $350 00

TO

2677 Contingencies $350 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the the schedules, as revised, for the Department of Correction for the year 1915, as follows:

Transportation.

2671 Shoeing and Boarding Horses, Including Veterinary Service..... $2,850 00
2677 Contingencies 2,150 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Bridges—Appropriation from Revenues (Cal. No. 20).

The Secretary presented a communication, dated June 22, 1915, from the Commissioner of Bridges requesting an appropriation of $10,000 from revenues of the Williamsburg Bridge to provide payment of wages of temporary employees; and the following report of the Comptroller recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building Bureau of Contract Supervision, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 22, 1915, the Commissioner of Bridges requested that your Board appropriate from the revenues of Williamsburg Bridge the sum of $10,000 for the payment of wages of temporary employees in his department chargeable to bridge revenue.

This request was referred to the Bureau of Contract Supervision on June 23, 1915, which bureau reports thereon as follows:

"With the adoption of the 1915 Budget, schedules were approved for the bridge revenue forces of the Department of Bridges, to be paid out of the revenues of Brooklyn and Williamsburg bridges. One of the schedules for the Williamsburg Bridge force approved at that time was for Wages, Temporary Employees, Care of Bridges, No. 2764TB, Tax Levy and Bridge Revenue Force, and amounts to $43,164, which is provided for by a tax levy allowance of $13,614 and bridge revenue allowance of $30 000. Your Board appropriated on January 8, 1915, and on April 30, 1915, a total in bridge revenues of $20,000, of which there remains an unexpended balance of $64.48. There is an unexpended balance of $7,775 in the tax levy allowance which probably will be expended by the latter part of July or early in August. Most of the schedule allowance is for painters, who are now engaged on extensive painting of this structure, including the steel members recently installed to give this bridge additional strength. The schedule allowance for painters is $32.160, and during the past eight weeks the charges were on an average of $1,948 per week, or a total in all of $16,659. To permit the carrying of this painting job to completion it is advisable that the balance of the bridge revenue allowance of $10,000 be appropriated before August 1st, when it is expected that the present allowance will be exhausted."

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, pursuant to the provisions of subdivision 2 of section 242 of the Greater New York Charter, hereby appropriates from the revenues of Williamsburg Bridge the sum of ten thousand dollars ($10,000) to provide in part for the payment by the Department of Bridges, during the balance of the year 1915, of Wages, Temporary Employees, Care of Bridges, 2764TB, Tax Levy and Bridge Revenue Force; and be it further

Resolved, That the appropriation herein made shall be administered by the Commissioner of Bridges in accordance with the Budget resolutions relative to appropriations for Wages, Temporary Employees.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Recreation Commission—Appropriation for the Construction of a Field House in the Betsy Head Playground (Cal. No. 21).

The Secretary presented a communication dated June 30, 1915, from the Public Recreation Commission, requesting allotment of interest accrued on the "Betsy Head Legacy," to be used in the construction of a field house in the Betsy Head Memorial Playground; and the following report of the Comptroller recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 3, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 30, 1915, the Public Recreation Commission applied for the allotment of $3,327.20 from the interest accumulated on the principal of the "Betsy Head Legacy," to be used in addition to the sum of $19,000 now available to meet the cost of the construction, including architect's fees, of a field house in the Betsy Head Playground, in the Borough of Brooklyn.

The Bureau of Contract Supervision reports thereon as follows:

"The principal of this legacy, $187,746.84, is entirely encumbered with contracts for the construction of the playground.

"On March 12, 1914, the Corporation Counsel in response to a request as to whether the interest on the legacy could be allowed to the Public Recreation Commission, in addition to the principal sum, advised, in part, as follows:

"'According to the general rule of law, the interest accruing upon a principal sum of money is attached to and follows the principal, and I know of no reason to doubt the application of that rule in the present instance. I accordingly advise you that the interest on the legacy should be transferred from the credit of the Sinking Fund No. 1, to that of the Public Recreation Commission.'

"On February 10, 1915, the Commissioners of the Sinking Fund on the recommendation of your Board, allotted the sum of $19,000 to the Public Recreation Commission to be used for the construction of a field house in the Betsy Head Playground.

"On April 30, 1915, your Board approved the form of contract, plans and specifications for the erection of a field house at a cost of $18,100, exclusive of architect's fees. The lowest bids received for the construction of this field house amount to $21,264, to which is to be added architect's fees $1,063.20, making a total of $22,327.20. It is therefore necessary to provide by transfer an additional sum of $3,327.20.

"Under date of February 5, 1915, the Chief Accountant of the Department of Finance certified to the Comptroller that the sum of $32,239.10 in interest, was available, 'sufficient to meet and provide for the payment' of the $19,000 transferred about that time. It is therefore evident that there is a sufficient balance remaining to meet the requested transfer."

In view of the foregoing, I recommend the adoption of the attached resolution requesting the Commissioners of the Sinking Fund to grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following was offered:

Whereas, The Board of Estimate and Apportionment, by resolution adopted March 28, 1912, assigned to the Public Recreation Commission the sum of one hundred and eighty-seven thousand seven hundred and forty-six dollars and eighty-four cents ($187,746.84), recorded in an account known as "Legacy of Betsy Head of Islip, Long Island," for the purpose of executing the trust imposed upon The City of New York; and

Whereas, There had accrued to this fund on February 5, 1915, the sum of thirty-two thousand two hundred and thirty-nine dollars and ten cents ($32,239.10), representing interest upon the principal of the legacy, which has been credited to the Sinking Fund for the Redemption of City Debt No. 1; and

Whereas, The Commissioners of the Sinking Fund, by resolution adopted on February 10, 1915, allotted to the Public Recreation Commission the sum of nineteen thousand dollars ($19,000) on account of interest previously accrued; and

Whereas, There is now a balance of more than three thousand three hundred twenty-seven dollars and twenty cents ($3,327.20) available for transfer for the purpose of the Legacy of Betsy Head; therefore, be it

Resolved, That the Board of Estimate and Apportionment hereby requests the Commissioners of the Sinking Fund to allot to the Public Recreation Commission from the "Sinking Fund for the Redemption of the City Debt No. 1," the sum of three thousand three hundred twenty-seven dollars and twenty cents ($3,327.20), to be used in connection with the construction of a field house in the Betsy Head Playground.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Water Supply, Gas and Electricity—Transfer of Appropriation and Modification of Schedules (Cal. No. 22).

The Secretary presented a communication dated June 24, 1915, from the Deputy and Acting Commissioner of Water Supply, Gas and Electricity, requesting a transfer within the appropriation for said Department for 1915; and the following report of the Comptroller recommending approval thereof and modification of schedules:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 30, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 24, 1915, the Deputy and Acting Commissioner of Water Supply, Gas and Electricity requested the transfer in the sum of $5,230.71 within appropriations to his department in the year 1915.

The Bureau of Contract Supervision reports thereon as follows:

"It is proposed to make the following transfers:

	FROM	
2257	Lighting Public Buildings, Brooklyn	$3,255 71
2260	Maintenance of Lamps in Pumping Stations	375 00
	Transportation, Hire of Horses and Vehicles Without Drivers.	
2282	Illumination, Power and Heat Control	1,600 00
	TO	
2204TW	Food Supplies, Illumination, Power and Heat Control	$500 00
	General Plant Supplies.	
2225	Illumination, Power and Heat Control	250 00
	Office Equipment.	
2229	Illumination, Power and Heat Control	550 00
	General Plant Equipment.	
2238	Illumination, Power and Heat Control	1,000 00
	Hire of Automobiles.	
2287	Illumination, Power and Heat Control	1,600 00
	General Plant Service.	
2299	Illumination, Power and Heat Control	1,330 71

"The transfer to account No. 2204TW is necessary to provide sufficient funds for the balance of the year for supper money; to 2225 to purchase necessary drafting supplies and recording charts to be used at the power stations of the Edison Company; to 2229 for the purchase of additional steel filing cases for the Bureau of Electrical Inspection in all boroughs, to be used in connection with the handling and storing of permits, violations and other records, desks and chairs for additional clerks and tables and chairs for the hearing room in which bids are opened and conferences are held; to 2238 for the purchase of two calorimeters and other gas and electrical instruments needed in connection with the present examination of the insufficiency of candle power furnished by the various lighting companies; to 2287 for the purpose of enabling the department to hire automobiles for the inspection service instead of horse and vehicles. It has been found that automobiles can be hired at approximately the same rates as horses and vehicles, and the efficiency of the department has been greatly increased by their use. The transfer to account 2299 is necessary in order to increase the amount allowed for rental of gas regulators, as it has been found impossible to reduce this rental as much as was deemed feasible, and for photographic reproductions of the candle power reports and book records of some of the gas companies, in connection with the examination of the candle power furnished.

"There are sufficient funds in the various accounts to permit of the several debit transfers."

I recommend the adoption of the attached resolutions granting the request, and modifying the schedules involved.

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 of the transfer of funds appropriated to the Department of Water Supply, Gas and Electricity for the year 1915, as follows:

	FROM	
	Contract or Open Order Service	
	Light, Heat and Power, Illumination, Power and Heat Control, Illumination, Power and Heat Service, Lighting Public Buildings—	
2257	Brooklyn	$3,255 71
2260	Maintenance of Lamps in Pumping Stations	375 00
	Hire of Horses and Vehicles Without Drivers—	
2282	Illumination, Power and Heat Control	1,600 00
		$5,230 71
	TO	
	Supplies.	
2204TW	Food Supplies (Meal money), Illumination, Power and Heat Control	$500 00
	General Plant Supplies—	
2225	Illumination, Power and Heat Control	250 00
	Purchase of Equipment.	
	Office Equipment—	
2229	Illumination, Power and Heat Control	550 00
	General Plant Equipment—	
2238	Illumination, Power and Heat Control	1,000 00
	Contract or Open Order Service	
	Transportation, Hire of Automobiles—	
2287	Illumination, Power and Heat Control	1,600 00
	General Plant Service—	
2299	Illumination, Power and Heat Control	1,330 71
		$5,230 71

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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 1915, as follows:

	Supplies.	
2204TW	Food Supplies (Meal money)—	
	Administration	$900 00
	Water Supply	450 00
	Water Revenue Collection	100 00
	Illumination, Power and Heat Control	1,200 00
	Total Food Supplies	$2,650 00
	Tax Levy Allowance	$2,450 00
	Water Revenue Allowance	200 00
	Total Allowance	$2,650 00
	General Plant Supplies—	
2225	Illumination, Power and Heat Control	$1,100 00
	Purchase of Equipment.	
	Office Equipment—	
2229	Illumination, Power and Heat Control	1,400 00
	General Plant Equipment—	
2238	Illumination, Power and Heat Control	2,500 00
	Contract or Open Order Service.	
	Light, Heat and Power, Illumination, Power and Heat Control, Illumination, Power and Heat Service, Lighting Public Buildings—	
2257	Brooklyn	202,749 29
2260	Maintenance of Lamps in Pumping Stations	590 00
	Transportation, Hire of Horses and Vehicles Without Drivers—	
2272	Illumination, Power and Heat Control	7,400 00
	Hire of Automobiles—	
2287	Illumination, Power and Heat Control	8.126 00
	General Plant Service—	
2299	Illumination Power and Heat Control—	
	Testing Electric Meters	1,500 00
	Rental Gas Regulators	4,100 00
	Special Stenography	500 00
	Special Photography	330 71
	Cleaning Photometric Stations	200 00
	Material Fees	475 00
		$7,105 71

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Water Supply, Gas and Electricity—Issue of Special Revenue Bonds and Modification of Schedule (Cal. No. 23).

The Secretary presented a resolution adopted by the Board of Aldermen on June 15, 1915, requesting issue of special revenue bonds in the sum of $22,198.50, to be used by the Department of Water Supply, Gas and Electricity for operation of pumping stations in the Boroughs of Queens and Richmond; and the following report of the Comptroller recommending approval thereof to the extent of $10,000, and modification of schedule:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 30, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 15, 1915, the Board of Aldermen adopted a resolution requesting an issue of special revenue bonds in the sum of $22,198.50, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, the proceeds whereof to be used by the Department of Water Supply, Gas and Electricity for the operation of pumping stations in the Boroughs of Queens and Richmond, which resolution was approved by the Mayor on June 25, 1915.

The Bureau of Contract Supervision reports thereon as follows:

"The additional allowance requested by the Commissioner of Water Supply, Gas and Electricity was intended to replenish the 1915 account, 'Wages, Temporary Employees, Water Supply, Pumping, 2198, Tax Levy Force,' to provide for vacations for employees at pumping stations, for which no allowance was made in the 1915 Budget; for expenditures incurred in the operation of Long Island City No. 1 and Whitestone pumping stations in the Borough of Queens, which had to be temporarily operated but were not provided for; and for additional employees required to operate stations in the Borough of Richmond, due to delays in the completion of the Southfield Boulevard development.

"The Commissioner submitted with his communication to the Board of Aldermen a detailed statement covering the $22,198.50 requested, summarized as follows:

For vacations at pumping stations, Boroughs of Manhattan and The Bronx	$3,090 00
Borough of Brooklyn (H. P. Fire Service)	540 00
Borough of Queens	150 00
Borough of Richmond	2,562 00
To replenish funds used in Queens, for which no allowance was made in 1915 Budget	1,309 50
For operation of stations in the Borough of Richmond in excess of 1915 Budget allowance	14,547 00
Total	**$22,198 50**

"The Board of Aldermen in approving the request omitted to insert the Boroughs of Manhattan, The Bronx and Brooklyn in the resolution adopted. The Commissioner's representative states that a request will be made to have this error corrected.

"The present allowance for temporary employees at pumping stations is exhausted and additional funds are urgently needed.

"Pending the result of an examination now being made by this Bureau into the actual requirements at pumping stations in the several boroughs, an additional allowance at this time of $10,000, to be used exclusively in the Boroughs of Queens and Richmond, is recommended, which recommendation has been approved by the Commissioner of Water Supply, Gas and Electricity."

In view of the foregoing, I recommend the adoption of the attached resolution approving the request to the extent of $10,000, and approving a schedule for the administration of the fund.

Respectfully, WM. A. PRENDERGAST, Comptroller.

On motion, Rule 19 was waived in this matter.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on June 15, 1915, and approved by the Mayor June 25, 1915, requesting an issue of special revenue bonds in the sum of twenty-two thousand one hundred and ninety-eight dollars and fifty cents ($22,198.50), the proceeds thereof to be used by the Department of Water Supply, Gas and Electricity for the operation of pumping stations in the Boroughs of Queens and Richmond, all obligations contracted for hereunder to be incurred on or before December 31, 1915; be and the same is hereby approved of and concurred in, to the extent of ten thousand dollars ($10,000), 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 ten thousand dollars ($10,000), redeemable from the tax levy of the year succeeding the year of their issue; said fund to be used for the payment of wages of employees assigned to pumping stations in the Boroughs of Queens and Richmond, and to be administered in conformity with a schedule duly approved by the Board of Estimate and Apportionment.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule for the Department of Water Supply, Gas and Electricity for the year 1915, as follows:

Personal Service, Wages, Temporary Employees, Water Supply, Pumping.

2198½	Special Revenue Bond Force, Boroughs of Queens and Richmond—	
	Stationary Engineer, at $4.50 per day (1,285 days)	$5,782 50
	Stoker, at $3 per day (1,286 days)	3,858 00
	Oiler, at $3 per day (84 days)	252 00
	Coal Passer, at $2.50 per day (43 days)	107 50
	Schedule Total	$10,000 00
	Special Revenue Bond Allowance	10,000 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Correction—Purchase of Land for New York City Reformatory (Cal. No. 24).

(On May 21, 1915 (Cal. No. 93), the request in this matter was referred to the Comptroller.)

The Secretary presented a communication dated May 13, 1915, from the Deputy and Acting Commissioner of Correction, requesting the purchase of a tract of land lying partly alongside the present farm site of the New York City Reformatory at New Hampton, N. Y.; and the following report of the Comptroller:

City of New York, Department of Finance, Comptroller's Office, July 6, 1915.

To the Honorable the Board of Estimate and Apportionment:

Gentlemen—At a meeting of your Board held May 21, 1915, there was referred to the Comptroller for examination and report a communication dated May 13, 1915, from the Deputy and Acting Commissioner of Correction, requesting, pursuant to chapter 26 of the Laws of 1915, the purchase of a tract of land lying partly alongside the present farm site of the New York City Reformatory at New Hampton, N. Y., to provide a convenient right of way to the tracks of the Erie Railroad.

Under date of June 24, 1915, the Deputy Commissioner of the Department of Correction addressed a communication to the Comptroller wherein he suggested a different location than the one proposed in his letter of May 13, 1915; and at my direction the Appraiser of Real Estate of this Department accompanied the Commissioner of the Department of Correction to view the premises.

The entire tract is in two ownerships, one containing an area of 3.442 acres, which, after negotiation, may be purchased for the sum of $700, and another parcel containing 4.7 acres, which may be acquired for $940.

While these prices are in excess of the market value of the land for farming purposes, it would be unwise, in my opinion, for the City to resort to condemnation proceedings, as the cost thereof, taking into consideration the Commissioners' fees, expenses of the Commission, etc., would exceed the sums above mentioned. In addition to the value of the land, consequential damages would probably be considered by the Commission, inasmuch as the portions of the land taken will depreciate the value of the portions of the remaining farm land.

It is absolutely necessary for the City to acquire this land in order to provide for the construction of a railroad siding which is essential to the economical construction of building operations in that it will permit the shipment of building supplies and materials direct to the farm site where they are required, instead of trans-shipment by automobile or truck from the New Hampton station distant about a mile from the farm.

Sufficient funds are now available so that it will not be necessary to issue corporate stock for this purpose.

I therefore respectfully recommend, the price being reasonable and just under all the circumstances, that your Board approve of the purchase of the following described premises at private sale, for use of the Department of Correction:

(1) All that tract or parcel of land situate, lying and being in the Town of Goshen, County of Orange, and State of New York, bounded and described as follows:

Beginning at the point of intersection of the southerly line of the lands in the right of way belonging to the Erie Railroad Company and the southeasterly line of the land of F. Fisher; running thence along the right of way of the Railroad Company land on a curve deflecting to the left, whose radius is 1,911± feet, and in a northeasterly direction 495.25 feet; running thence still along the land of the Railroad Company south 40 degrees 34 minutes 53 seconds east 11.69 feet; running thence still along the land of the Railroad Company north 72 degrees 50 minutes 7 seconds east 100 feet; running thence south 60 degrees 14 minutes 22 seconds west 809.95 feet; thence south 51 degrees 52 minutes 5 seconds west 400 feet to the division line between the land of D. W. Hock and the land of Miss H. H. Phillips; running thence along said division line between the lands of D. W. Hock and Miss H. H. Phillips north 37 degrees 49 minutes 22 seconds west 150 feet to the land of F. Fisher; thence along the land of F. Fisher north 51 degrees 52 seconds 5 minutes east 664.51 feet; to the southerly line of the right of way of the Erie Railroad Company to the point or place of beginning:

—at a price not exceeding $700; also

(2) All that tract or parcel of land situate, lying and being in the Town of Goshen, County of Orange and State of New York, bounded and described as follows:

Beginning at the point of intersection of the division line between the land of F. Fisher and the land of D. W. Hock and the division line between the land of D. W. Hock and the land of Miss H. H. Phillips; running thence south 40 degrees 42 minutes 56 seconds west 666.97 feet;. thence south 61 degrees 18 minutes 44 seconds west 550 feet; thence south 16 degrees 46 minutes 23 seconds west 142.57 feet to the land of the City of New York; thence north 61 degrees 18 minutes 44 seconds east along the land of the City of New York 1,329.77 feet to the division line between the land of the City of New York and the land of D. W. Hock; thence north 37 degrees 49 minutes 32 seconds west 338.90 feet to the point or place of beginning.

—at a price not exceeding $940; said contracts to be submitted to the Corporation Counsel for his approval as to form; and that he be directed to make an examination of both of these titles to determine the marketability thereof. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of chapter 26 of the Laws of 1915, hereby approves of the acquisition of a tract of land lying partly along the site of the New York City Reformatory at New Hampton, New York, for the use of the Department of Correction, to provide a convenient right-of-way to the tracks of the Erie Railroad, which property is bounded and described as follows:

Parcel No. 1.

All that tract or parcel of land situate, lying and being in the Town of Goshen, County of Orange, and State of New York, bounded and described as follows:

Beginning at the point of intersection of the southerly line of the lands in the right-of-way belonging to the Erie Railroad Company and the southeasterly line of the land of F. Fisher; running thence along said right-of-way of the railroad company land on a curve deflecting to the left, whose radius is 1911± feet, and in a northeasterly direction 495.25 feet; running thence still along the land of the railroad company south 40 degrees 34 minutes 53 seconds east 11.69 feet; running thence still along the land of the railroad company north 72 degrees 50 minutes 7 seconds east 100 feet; running thence south 60 degrees 14 minutes 22 seconds west 809.95 feet; thence south 51 degrees 52 minutes 5 seconds west 400 feet to the division line between the land of D. W. Hock and the land of Miss H. H. Phillips; running thence along said division line between the lands of D. W. Hock and Miss H. H. Phillips north 37 degrees 49 minutes 32 seconds west 150 feet to the land of F. Fisher; thence along the land of F. Fisher north 51 degrees 52 minutes 5 seconds east 664.51 feet, to the southerly line of the right-of-way of the Erie Railroad Company to the point or place of beginning.

Parcel No. 2.

All that tract or parcel of land situate, lying and being in the Town of Goshen, County of Orange and State of New York, bounded and described as follows:

Beginning at the point of intersection of the division line between the land of F. Fisher and the land of D. W. Hock and the division line between the land of D. W. Hock and the land of Miss H. H. Phillips; running thence south 40 degrees 42 minutes 56 seconds west 666.97 feet; thence south 61 degrees 18 minutes 44 seconds west 550 feet; thence south 16 degrees 46 minutes 23 seconds west 142.57 feet to the land of The City of New York; thence north 61 degrees 18 minutes 44 seconds east along the land of The City of New York 1,329.77 feet to the division line between the land of The City of New York and the land of D. W. Hock; thence north 37 degrees 49 minutes 32 seconds west 338.90 feet to the point or place of beginning;

—and authorizes the Comptroller to enter into contracts for the purchase of the above described property at private sale at a price not exceeding seven hundred dollars ($700) for Parcel No. 1, and at a price not exceeding nine hundred and forty dollars ($940) for Parcel No. 2, said contracts to be approved by the Corporation Counsel as to form. and the Corporation Counsel be and is hereby requested to make an examination of the titles of both of said parcels to determine the marketability thereof.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Consent to Award of Contracts to Various Construction Companies for the Supply of Track Materials to Be Used in the Construction of Rapid Transit Railroads Under Contract No. 4, and Issues of Corporate Stock Therefor (Cal. No. 25).

(On June 18, 1915 (Cal. No. 83), the requisitions of the Public Service Commission in this matter were referred to the Comptroller.)

The Secretary presented the following report of the Comptroller:

City of New York, Board of Estimate and Apportionment, Municipal Building. Bureau of Contract Supervision, June 28, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 15, 1915, the Public Service Commission for the First District transmitted for the consent of your Board copies of fifteen contracts for the supplying of track material for use on Contract No. 4, the amounts of the bid prices aggregating $304,985.

The names of the successful bidders upon the contracts for which consent is sought, the number of competitors, the materials to be furnished and the amounts of the bids, are as follows:

Name of Bidder.	Number of Bidders.	Materials.	Amount.
Bethlehem Steel Products Company	3	Open Hearth rail	$78,949 00
Manganese Steel Rail Co.	2	Rolled manganese rail	16,337 71
Rail Joint Co.	1	Track rail splice bars	11,474 45
Creep Check Co., Inc.	2	Anti-creepers	2,571 30
Central Foundry Co.	4	Cast iron separators	266 70
Lackawanna Steel Co.	2	Cut track spikes	3,326 28
American Iron & Steel Mfg. Co.	2	Screw spikes and leg screws.	657 00
J. H. Burton & Co.	2	Tires and timber	134,804 87
Ramapo Iron Works	2	Nut locks	45 00
Foran Foundry & Mfg. Co.	4	Malleable iron castings	5,251 69
Lackawanna Steel Co.	1	Tie plates "A"	14,190 00
Ramapo Iron Works	1	Tie plates "D"	1,600 00
Ramapo Iron Works	1	Tie plates "W" & "X"	164 60
Vulcan Rail & Const. Co.	1	Hand rail	15,606 40
Ramapo Iron Works	2	Special work	19,740 00
Total			$304,985 00

The Commission requested your Board to present the amount set opposite each of these contracts as the limits of bonds to be made available to meet the obligations thereby to be placed upon the City, and to direct the Comptroller to issue bonds to said respective amounts, the same to be charged against the appropriation of $60,000,000, made by this Board on March 18, 1913, for the purpose of Contract No. 4.

The track material contracts previously consented to by this Board were for use on the North Avenue subway. These contracts provide material for use on all City built lines to be operated under Contract No. 4.

Competition for this work does not appear to have been very keen, notwithstanding its public advertisement. In eight of the total of fifteen contracts, where the bid is noted at less than $10,000, the Commission could have made awards on informal tenders without public competition.

With one exception, the contract for "anti-creepers," the awards have been made to the lowest bidder. The lowest bidder for the "anti-creepers" contract submitted an appliance not yet sufficiently tested as to its adequacy for the purpose, and the Commission accepted the one which in the opinion of its engineers and of the lessee would better serve operating needs. The bids were $2,571.30 and $2,154.75 for a total of some 14,000 of these appliances.

All three bidders on the "open hearth rail," the Bethlehem Steel Products Company, the Pennsylvania Steel Company and the Lackawanna Steel Company, bid $78,949.

On the "Rolled Manganese Rail," the Manganese Steel Rail Company under-

bid the Pennsylvania Steel Company by only $567.29 on a contract for $16,337.71 worth of work. I am advised that in each case the base prices for this rail is that fixed by agreement between the companies and is the same as that paid by steam railroads, adding, however, freight and delivery charges, and a charge of two dollars per ton for specification requirements beyond those elsewhere exacted.

I find included in these track material contracts a paragraph which would be capable of very uneconomical application. This paragraph supplements article XVI, which provides for work not classifiable at contract prices being done on the basis of cost plus 15 per cent. Article XVI itself covers the furnishing of "materials which are not contemplated, mentioned, specified or indicated or otherwise provided for in this contract or in the specifications * * *." The paragraph to which I refer permits, in lieu of the furnishing of such materials on the basis of cost, that the engineer, with the consent of the Commission, may agree with the contractor on unit prices or a lump sum for such materials, and further states "such additional prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract."

It seems to me that the approval of a contract by your Board containing a paragraph such as this might hamper the Comptroller in the exercise of his power of audit, and if the Courts should be appealed to, in the exercise of that right, the fact of the inclusion of such a clause might militate against the City's interest in cases where reasonableness of price is in dispute.

A modification of this section has been prepared by the Public Service Commission which will limit the prices to be paid and the allowable extent of work to be done, and this has been agreed to by the Corporation Counsel's office. The resolutions I submit for adoption by the Board carry a provisional approval based on a modification of the contract which removes the objectionable feature from the section as I have noted it.

I recommend the adoption of the fifteen resolutions covering the work tabulated herein for the supply of track materials. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 Bethlehem Steel Products Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Open-Hearth Rails—Order No. 2, the aggregate of the unit prices in the proposal amounting to seventy-eight thousand nine hundred and forty-nine dollars ($78,949), the first delivery to be made in ten (10) days, and the last delivery to be made in thirty (30) days.

The Public Service Commission for the First District requests your honorable Board to consent to 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 seventy-eight thousand nine hundred and forty-nine dollars ($78,949), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of seventy-eight thousand nine hundred and forty-nine dollars ($78,949).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of seventy-eight thousand nine hundred and forty-nine dollars ($78,949).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commisson for the First District, under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your honorable Board on March 18, 1913.

In witness whereof, the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

On motion, Rule 19 was waived, and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by the said Commission, and the Bethlehem Steel Products Company, for the supply of open hearth rails, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of seventy-eight thousand nine hundred and forty-nine dollars ($78,949); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be seventy-eight thousand nine hundred and forty-nine dollars ($78,949); 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 seventy-eight thousand nine hundred and forty-nine dollars ($78,949) 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 of contract with the Bethlehem Steel Products Company, as set forth in this resolution and described in the requisition of the said Commission to this Board dated June 15, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of Contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five (5) per centum of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 Manganese Steel Rail Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Rolled Manganese Rail—Order No. 2, the aggregate of the unit prices in the proposal amounting to sixteen thousand three hundred and thirty-seven and 71-100 dollars ($16,337.71), complete delivery to be made in thirty (30) days.

The Public Service Commission for the First District requests your Honorable Board to consent to 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 sixteen thousand three hundred and thirty-seven and 71-100 dollars ($16,337.71), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of sixteen thousand three hundred and thirty-seven and 71-100 dollars ($16,337.71).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of sixteen thousand three hundred and thirty-seven and 71-100 dollars ($16,337.71).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board of sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

On motion, Rule 19 was waived and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by the said Commission, and the Manganese Steel Rail Company for the supply of rolled manganese rail, Order No. 2, for use in the construction of rapid transit railroads; at an estimated cost of sixteen thousand three hundred and thirty-seven dollars and seventy-one cents ($16,337.71); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be sixteen thousand, three hundred and thirty-seven dollars and seventy-one cents ($16,337.71); 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 sixteen thousand three hundred and thirty-seven dollars and seventy-one cents ($16,337.71), 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 of contract with the Manganese Steel Rail Company, as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five (5) per centum of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 The Rail Joint Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Track Rail Splice Bars—Order No. 2, the aggregate of the unit prices in the proposal amounting to Eleven Thousand Four Hundred and Seventy-four and 45-100 Dollars ($11,474.45).

The Public Service Commission for the First District requests your Honorable Board to consent to 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 Eleven Thousand Four Hundred and Seventy-four and 45-100 dollars ($11,474.45), and also to direct the Comptroller of The City of New York to issue the bonds of said City at such rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of Eleven Thousand Four Hundred and Seventy-four and 45-100 Dollars ($11,474.45).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of Eleven Thousand Four Hundred and Seventy-four and 45-100 Dollars ($11,474.45).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board for Sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads, and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

On motion, Rule 19 was waived, and 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 June 16, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by the said Commission, and

The Rail Joint Company for the supply of Track Rail Splice Bars, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of eleven thousand four hundred and seventy-four dollars and forty-five cents ($11,474.45); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be eleven thousand four hundred and seventy-four dollars and forty-five cents ($11,474.45); 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 eleven thousand four hundred and seventy-four dollars and forty-five cents ($11,474.45), 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 of contract with The Rail Joint Company, as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 16, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five (5) per centum of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

To the Board of Estimate and Apportionment of The City of New York:

Gentlemen—The Public Service Commission for the First District, pursuant to the provisions of chapter 540 of the Laws of 1913, transmits to you for your consent as required by law, a proposed contract between The City of New York and Creep Check Company for the supply of anti-creepers, Order No. 2, for use in the construction of rapid transit railroads, the aggregate of the unit prices in the proposal amounting to two thousand five hundred and seventy-one dollars and thirty cents ($2,571.30), and the delivery of the material to be made in two weeks after the delivery of the contract.

The Public Service Commission requests your honorable Board to consent to said contract herewith transmitted, and prescribe a limit to the amount of bonds available to meet the requirements of the City's obligation under the said contract, to wit, the sum of two thousand five hundred and seventy-one dollars and thirty cents ($2,571.30), 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 to meet the City's obligation under said contract, to wit, the sum of two thousand five hundred and seventy-one dollars and thirty cents ($2,571.30).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to meet the entire estimated expense to the City of executing said contract, to wit, the sum of two thousand five hundred and seventy-one dollars and thirty cents ($2,571.30).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 13, 1913, known as Contract No. 4, between The City of New York acting by the Public Service Commission for the First District and New York Municipal Railway Corporation, and the appropriation made thereunder by your honorable Board on March 18, 1913.

In witness whereof, the Public Service Commission for the First District has caused its official seal to be hereto affixed and attested by the Secretary, and these presents to be signed by its Chairman, this 16th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

(Seal.)

On motion, Rule 19 was waived, and 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 June 16, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by the said Commission, and the Creep Check Company for the supply of anti creepers, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of two thousand five hundred and seventy-one dollars and thirty cents ($2,571.30); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be two thousand five hundred and seventy-one dollars and thirty cents ($2,571.30); 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 thousand five hundred and seventy-one dollars and thirty cents ($2,571.30), 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 of contract with the Creep Check Company, as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 16, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five (5) per centum of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

—

The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 the Central Foundry Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Cast Iron Separators—Order No. 2, the aggregate of the unit prices in the proposal amounting to two hundred and sixty-six and 70-100 dollars ($266.70), the first delivery to be made in eight (8) days and the last delivery to be made in fifty (50) days.

The Public Service Commission for the First District requests your honorable Board to consent to 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 hundred and sixty-six and 70-100 dollars ($266.70), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of two hundred and sixty-six and 70-100 dollars ($266.70).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of two hundred and sixty-six and 70-100 dollars ($266.70).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4 between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your honorable Board on March 18, 1913.

In witness whereof, the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

On motion Rule 19 was waived, and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and The Central Foundry Company, for the supply of Cast Iron Separators, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of two hundred and sixty-six dollars and seventy cents ($266.70); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be two hundred and sixty-six dollars and seventy cents ($266.70); 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 hundred and sixty-six dollars and seventy cents ($266.70), 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 of contract with The Central Foundry Company, as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

—

The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 Lackawanna Steel Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Cut track spikes—Order No. 2, the aggregate of the unit prices in the proposal amounting to three thousand three hundred and twenty-six and 28-100 dollars ($3,326.28), final delivery to be made in forty-five (45) days.

The Public Service Commission for the First District requests your honorable Board to consent to 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 three thousand three hundred and twenty-six and 28-100 dollars ($3,326.28), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of three thousand three hundred and twenty-six and 28-100 dollars ($3,326.28).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of three thousand three hundred and twenty-six and 28-100 dollars ($3,326.28).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

(Seal.)

On motion, Rule 19 was waived and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and the Lackawanna Steel Company, for the supply of Cut Track Spikes, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of three thousand three hundred and twenty-six dollars and twenty-eight cents ($3,326.28); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be three thousand three hundred and twenty-six dollars and twenty-eight cents ($3,326.28); 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 three thousand three hundred and twenty-six dollars and twenty-eight cents ($3,326.28), 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 of contract with the Lackawanna Steel Company, as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 American Iron & Steel Manufacturing Company, for the supply of track materials for use in the construction of rapid transit railroads, to wit: Screw Spikes and Lag Screws—Order No. 2, the aggregate of the unit prices in the proposal amounting to Six Hundred and Fifty-seven Dollars ($657), the first delivery to be made in seven (7) days and the last delivery to be made in forty (40) days.

The Public Service Commission for the First District requests your Honorable Board to consent to 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 Six Hundred and Fifty-seven Dollars ($657), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of Six Hundred and Fifty-seven Dollars ($657).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of Six Hundred and Fifty-seven Dollars ($657).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the Frst Dstrict under date of March 18, 1913, upon your Honorable Board for Sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation, for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th dav of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

(Seal.)

On motion, Rule 19 was waived, and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and the American Iron & Steel Manufacturing Company, for the supply of Screw Spikes and Lag Screws, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of six hundred and fifty-seven dollars ($657); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be six hundred and fifty-seven dollars ($657); 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 six hundred and fifty-seven dollars ($657), 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 of contract with the American Iron & Steel Manufacturing Company, as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 J. H. Burton & Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Ties and Timber, Order No. 2, the aggregate of the unit prices in the proposal amounting to one hundred and thirty-four thousand eight hundred and four dollars and eighty-seven cents ($134,804.87), the first delivery to be made in sixty (60) days and the last delivery to be made in one hundred and eighty (180) days.

The Public Service Commission for the First District requests your honorable Board to consent to 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 hundred and thirty-four thousand eight hundred and four dollars and eighty-seven cents ($134,804.87), 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 purposes of providing the necessary means for the supply of said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of one hundred and thirty-four thousand eight hundred and four dollars and eighty-seven cents ($134,804.87).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of one hundred and thirty-four thousand eight hundred and four dollars and eighty-seven cents ($134,804.87).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your honorable Board on March 18, 1913.

In witness whereof, the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

(Seal.)

On motion, Rule 19 was waived, and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and J. H. Burton & Company, for the supply of Ties and Timber, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of one hundred and thirty-four thousand eight hundred and four dollars and eighty-seven cents ($134,804.87); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be one hundred and thirty-four thousand eight hundred and four dollars and eighty-seven cents ($134,804.87); 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 one hundred and thirty-four thousand eight hundred and four dollars and thirty-seven cents ($134,804.87), 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 of contract with J. H. Burton & Company, as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 Ramapo Iron Works for the supply of track materials for use in the construction of rapid transit railroads, to wit: Nut Locks—Order No. 2, the aggregate of the unit prices in the proposal amounting to forty-five dollars ($45), the entire delivery to be made in thirty (30) days.

The Public Service Commission for the First District requests your honorable Board to consent to 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 forty-five dollars ($45), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of forty-five dollars ($45).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of forty-five dollars ($45).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Servce Commission for the First District, under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads, and the appropriation made thereunder by your honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has

caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

On motion, Rule 19 was waived and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by the said Commission, and the Ramapo Iron Works for the supply of Nut Locks, Order No. 2, for use in the construction of rapid transit railroads; at an estimated cost forty-five dollars ($45); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be forty-five dollars ($45); 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 forty-five dollars ($45), 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 of contract with the Ramapo Iron Works as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

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The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 Foran Foundry & Manufacturing Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Malleable Iron—Order No. 2, the aggregate of the unit prices in proposal amounting to five thousand two hundred and fifty-one and 69-100 dollars ($5,251.69), the fire delivery to be made in forty-five days and the last delivery to be made in ninety (90) days.

The Public Service Commission for the First District requests your honorable Board to consent to 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 five thousand two hundred and fifty-one and 69-100 dollars ($5,251.69), 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 the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of five thousand two hundred and fifty-one and 69-100 dollars ($5,251.69).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of five thousand two hundred and fifty-one and 69-100 dollars ($5,251.69).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads, and the appropriation made thereunder by your honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

(Seal.)

On motion, Rule 19 was waived and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by the said Commission, and the Foran Foundry and Manufacturing Company for the supply of Malleable Iron Castings for use in the construction of rapid transit railroads; at an estimated cost of five thousand two hundred and fifty-one dollars and sixty-nine cents ($5,251.69); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be five thousand two hundred and fifty-one dollars and sixty-nine cents ($5,251.69); 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 five thousand two hundred and fifty-one dollars and sixty-nine cents ($5,251.69), 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 of contract with the Foran Foundry and Manufacturing Company as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915; said issue of corporate stock to be charged against the appropriations made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 Lackawanna Steel Company, for the supply of track materials for use in the construction of rapid transit railroads, to wit: Tie Plates "A"—Order No. 2, the aggregate of the unit prices in the proposal amounting to Fourteen Thousand One Hundred and Ninety Dollars ($14,190), the first delivery to be made in forty (40) days and the last delivery to be made in sixty (60) days.

The Public Service Commission for the First District requests your Honorable Board to consent to 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 Fourteen Thousand One Hundred and Ninety Dollars ($14,190), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of Fourteen Thousand One Hundred and Ninety Dollars ($14,190).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of Fourteen Thousand One Hundred and Ninety Dollars ($14,190).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board for Sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.) Attest: TRAVIS H. WHITNEY, Secretary.

On motion, Rule 19 was waived, and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by the said Commission, and the Lackawanna Steel Company for the supply of Tie Plates "A"—Order No. 2, for use in the construction of rapid transit railroads; at an estimated cost of fourteen thousand one hundred and ninety dollars ($14,190); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be fourteen thousand one hundred and ninety dollars ($14,190); 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 fourteen thousand one hundred and ninety dollars ($14,190), 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 of contract with the Lackawanna Steel Company as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

To the Board of Estimate and Apportionment, The City of New York:

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 Ramapo Iron Works for the supply of track materials for use in the construction of rapid transit railroads, to wit: Tie Plates, Type D—Order No. 2, the aggregate of the unit prices in the proposal amounting to sixteen hundred dollars ($1,600), the entire delivery to be made in forty-five (45) days.

The Public Service Commission for the First District requests your honorable Board to consent to 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 sixteen hundred dollars ($1,600) 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of sixteen hundred dollars ($1,600).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of sixteen hundred dollars ($1,600).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District, under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads, and the appropriation made thereunder by your honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal).

Attest: TRAVIS H. WHITNEY, Secretary.

On motion, Rule 19 was waived and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by the said Commission, and the Ramapo Iron Works for the supply of Tie Plates, Type D—Order No. 2, for use in the construction of rapid transit railroads; at an estimated cost of sixteen hundred dollars ($1,600); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be sixteen hundred dollars ($1,600); 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 one thousand six hundred dollars ($1,600), 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 of contract with the Ramapo Iron Works as set forth in this resolution and described in the requisition of the said Commission to this Board, dated June 15, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

—

The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 Ramapo Iron Works for the supply of track materials for the construction of rapid transit railroads, to wit: Types W and X Tie Plates, Order No. 2, the aggregate of the unit prices in the proposal amounting to one hundred and sixty-four dollars and sixty cents ($164.60), the entire delivery to be made in forty-five (45) days.

The Public Service Commission for the First District requests your Honorable Board to consent to 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 hundred and sixty-four dollars and sixty cents ($164.60), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of one hundred and sixty-four dollars and sixty cents ($164.60).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of one hundred and sixty-four dollars and sixty cents ($164.60).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof, the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary, and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

On motion Rule 19 was waived and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and the Ramapo Iron Works, for the supply of Types W and X Tie Plates—Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of one hundred and sixty-four dollars and sixty cents ($164.60); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be one hundred and sixty-four dollars and sixty cents ($164.60); 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 one hundred and sixty-four dollars and sixty cents ($164.60), 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 of contract with the Ramapo Iron Works as set forth in this resolution and described in the requisition of the said Commission to the Board, dated June 15, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1915, of sixty million dollars ($60,000,000), for the purpose of carrying out the terms of Contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Alder-men, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The Secretary presented the following requisition of the Public Service Commission.

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 the Vulcan Rail & Construction Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Hand Rail—Order No. 2, the aggregate of the unit prices in the proposal amounting to fifteen thousand six hundred and six and 40-100 dollars ($15,606.40), the first delivery to be made in fifty (50) days and the last delivery to be made in eighty (80) days.

The Public Service Commission for the First District requests your Honorable Board to consent to said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said conract, to wit, the sum of fifteen thousand six hundred and six and 40-100 dollars ($15,606.40), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of fifteen thousand six hundred and six and 40/100 dollars ($15,606.40).

The Public Service Commission for the First District does hereby, pursuant to Section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of fifteen thousand six hundred and six and 40/100 dollars ($15,606.40).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4 between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof, the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest. TRAVIS H. WHITNEY, Secretary.

On motion Rule 19 was waived and 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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and the Vulcan Rail and Construction Company, for the supply of Hand Rail—Order No. 2, for use in the construction of rapid transit railroads at an estimated cost of fifteen thousand six hundred and six dollars and forty cents ($15,606.40); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be fifteen thousand six hundred and six dollars and forty cents ($15,606.40); 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 fifteen thousand six hundred and six dollars and forty cents ($15,606.40), 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 of contract with the Vulcan Rail and Construction Company as set forth in this resolution and described in the requisition of the said Commission to this Board dated June 15, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000), for the purpose of carrying out the terms of Contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The Secretary presented the following requisition of the Public Service Commission:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of The City of New York:

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 Ramapo Iron Works for the supply of track materials in the construction of rapid transit railroads, to wit: Special Work—Order No. 2, the aggregate of the unit prices in the proposal amounting to nineteen thousand seven hundred and forty dollars ($19,740), the first delivery to be made in forty-five (45) days and the last delivery to be made in eighty-five (85) days.

The Public Service Commission for the First District requests your honorable Board to consent to 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 nineteen thousand seven hundred and forty dollars ($19,740), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of nineteen thousand seven hundred and forty dollars ($19,740).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of nineteen thousand seven hundred and forty dollars ($19,740).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract

No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads, and the appropriation made thereunder by your honorable Board on March 18, 1913.

It witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

On motion Rule 19 was waived and 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 Commisson on June 15, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and the Ramapo Iron Works, for the supply of Special Work—Order No. 2, for use in the construction of rapid transit railroads at an estimated cost of nineteen thousand seven hundred and forty dollars ($19,740); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be nineteen thousand seven hundred and forty dollars ($19,740); 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 nineteen thousand seven hundred and forty dollars ($19,740), 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 of contract with the Ramapo Iron Works as set forth in this resolution and described in the requisition of the said Commission to this Board dated June 15, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000), for the purpose of carrying out the terms of Contract No. 4.

Provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Consent to Award of Contract to the Elyria Iron and Steel Company for Supplying Materials to Be Used in Construction of Rapid Transit Railroads Under Contract No. 4, and Issue of Corporate Stock Therefor (Cal. No. 26).

The Secretary presented the following requisition of the Public Service Commission and report of the Comptroller:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York,

Board of Estimate and Apportionment of The City of New York:

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 The Elyria Iron and Steel Company for the supply of track materials for use in the construction of rapid transit railroads, to wit: Tie Plates, Type "C"—Order No. 2, the aggregate of the unit prices in the proposal amounting to five hundred and fifty-eight dollars and twenty-five cents ($558.25), the entire delivery to be made in three (3) weeks.

The Public Service Commission for the First District requests your Honorable Board to consent to 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 Five Hundred Fifty-eight Dollars and Twenty-five Cents ($558.25), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of Five Hundred Fifty-eight Dollars and Twenty-five Cents ($558.25).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of Five Hundred Fifty-eight Dollars and Twenty-five Cents ($558.25).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1915, upon your Honorable Board for Sixty Million Dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 21st day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

(Seal.)

Attest: JAMES B. WALKER, Acting Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 21, 1915, the Public Service Commission for the First District transmitted for consent of your Board a proposed contract between The City of New York acting by said Commission, and the Elyria Iron and Steel Company for the supply of Tie Plates, Type C, being Order No. 2 thereof, at an estimated cost of $558.25.

The Commission requested the Board to prescribe a limit of $558.25 to the amount of bonds to be made available to meet the requirements of said contract, and to direct the Comptroller to issue bonds to such amount, the same to be made chargeable against the appropriation of $60,000,000 made by the Board for the purposes of Contract No. 4.

This contract was advertised with the group of fifteen track supply contracts recently consented to as to award by the Board, but no tenders were received. Informal bids were then secured from two parties and the award proposed is submitted for your consideration.

In this contract I find Article XVI permitting the doing of work not classifiable at contract prices supplemented by a section authorizing the Chief Engineer, with the consent of the Commission, to agree with the Contractor for the doing of such work at a price to be fixed, which price becomes as much a part of the original contract as though incorporated therein. There is no requirement as to the reasonableness of such prices nor any limitation on the value of work to be so done. I have, therefore, suggested a modification of this section and one has been prepared by the Commission and has been approved by the Corporation Counsel, removing these objections. The resolution I submit for adoption carries a provisional approval based on the incorporation of this modifying section in the contract.

I recommend the adoption of the attached resolution consenting to the award, limiting the amount of bonds available and directing the Comptroller to issue the necessary corporate stock. Respectfully, WM. A. PRENDERGAST, Comptroller.

On motion Rule 19 was waived and 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 June 21, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York acting by said Commission, and The Elyria Iron and Steel Company for the supply of Tie Plates, Type C, for use in the construction of rapid transit railroads at an estimated cost of five hundred and fifty-eight dollars and twenty-five cents ($558.25), and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be five hundred and fifty-eight dollars and twenty-five cents ($558.25); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to an amount of five hundred and fifty-eight dollars and twenty-five cents ($558.25) at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes of contract with The Elyria Iron and Steel Company as set forth in this resolution and described in the requisition of the said Commission to the Board, dated June 21, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of Contract No. 4; provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI. of said contract shall be modified to read as follows and this Board does hereby consent to such modification.

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Consent to Award of Contract to Dilworth, Porter and Company, Limited, for Supplying Materials to Be Used in Construction of Rapid Transit Railroads Under Contract No. 4, and Issue of Corporate Stock Therefor (Cal. No. 27).

The Secretary presented the following requisition of the Public Service Commission for the First District; and report of the Comptroller:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

Board of Estimate and Apportionment of the City of New York:

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 Dilworth, Porter & Co., Limited, for the supply of track materials for use in the construction of rapid transit railroads, to wit: Tie Plate, Type "B," Order No. 2, the aggregate of the unit prices in the proposal amounting to seven hundred sixty-five dollars ($765), the entire delivery to be made in three (3) weeks.

The Public Service Commission for the First District requests your Honorable Board to consent to 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 seven hundred sixty-five dollars ($765), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of seven hundred sixty-five dollars ($765).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of seven hundred sixty-five ($765).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1915, upon your Honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4 between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 21st day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

(Seal.)

Attest, JAMES B. WALKER, Acting Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 21, 1915, the Public Service Commission for the First District transmitted for consent of your Board a proposed contract between the City of New York, acting by said Commission, and Dilworth, Porter and Company, Limited, for the supply of Tie Plates, Type B, being Order No. 2 thereof, at an estimated cost of $765.

The Commission requested the Board to prescribe a limit of $765 to the amount of bonds to be made available to meet the requirements of said contract, and to direct the Comptroller to issue bonds to such amount, the same to be made chargeable against the appropriation of $60,000,000 made by the Board for the purpose of Contract No. 4.

This contract was advertised with the group of fifteen track supply contracts recently consented to as to award by the Board, but no tenders were received. Informal bids were then received from three parties and the award proposed is submitted for your consideration.

In this contract I find Article XVI, permitting the doing of work not classifiable at contract prices supplemented by a section authorizing the Chief Engineer, with the consent of the Commission, to agree with the Contractor for the doing of such work at a price to be fixed, which price becomes as much a part of the original contract as though incorporated therein. There is no requirement as to the reasonableness of such prices nor any limitation on the value of work to be so done. I have, therefore, suggested a modification of this section and one has been prepared by the Commission and has been approved by the Corporation Counsel, removing these objections. The resolution I submit for adoption carries a provisional approval based on the incorporation of this modifying section in the contract.

I recommend the adoption of the attached resolution consenting to the award, limiting the amount of bonds available, and directing the Comptroller to issue the necessary corporate stock. Respectfully, WM. A. PRENDERGAST, Comptroller.

On motion Rule 19 was waived and 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 June 21, 1915, the

Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and Dilworth, Porter & Co., Limited, for the supply of Tie Plates, Type B, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of seven hundred and sixty-five dollars ($765); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be seven hundred and sixty-five dollars ($765); 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 seven hundred and sixty-five dollars ($765), at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes of contract with Dilworth, Porter & Co., Limited, as set forth in this resolution and described in the requisition of the said Commission to this Board dated June 21, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of Contract No. 4; provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule contained in this contract. The total amount to be paid for any work or material ordered to be done or furnished under this article, shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the material furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

New York Edison Company—Claim of (Cal. No. 28).

The Secretary presented a report of the Comptroller, certifying for payment, pursuant to section 246 of the Charter, claim of the New York Edison Company in the sum of $10,495.47, without interest, for incandescent lamps furnished to the Department of Water Supply, Gas and Electricity in connection with the lighting of public buildings in the Boroughs of Manhattan and The Bronx.

The matter was laid over to July 29, 1915.

Hoppin and Koen—Claim of (Cal. No. 29).

(On June 18, 1915 (Cal. No. 139), the claim in this matter was referred to the Comptroller.)

The Secretary presented the following report of the Comptroller, which was ordered printed in the Minutes and filed:

City of New York, Department of Finance, Comptroller's Office, June 30th, 1915.

Board of Estimate and Apportionment, Municipal Building:

Sirs—At a meeting of the Board of Estimate and Apportionment on June 18, 1915, there was referred to me a communication from Messrs. Hoppin & Koen, bearing date of June 15, 1915, in reference to their claims for services rendered as architects in connection with the preparation of plans and specifications for the reconstruction of the westerly or Manhattan terminal of the Brooklyn Bridge. The claim in question, which is for the sum of $19,250, has been the subject of careful consideration by this office, and I am of the opinion that the City of New York did not derive such a benefit from the services rendered by the claimants as would warrant the certification of their claim to your Board, under section 246 of the Greater New York Charter, as amended.

Under date of April 14, 1915, Auditor of Accounts Maurice Breen, of the Department of Finance, made a report in connection with the matter, a copy of which is transmitted herewith. It was in view of the statements set forth in the report of Mr. Breen that certification of this claim, under the statutory provision referred to, was denied. Respectfully, WM. A. PRENDERGAST, Comptroller.

(The report of the Auditor of Accounts, Maurice Breen, is on file.)

From Bureaus of the Board.

Bureau of Public Improvements.

Public Service Commission for the First District; Long Island Railroad Company—Elimination of Grade Crossing at Metropolitan Avenue, Near Fresh Pond Road (Cal. No. 30).

The Secretary presented a communication dated June 30, 1915, from the Public Service Commission for the First District, transmitting the following resolution relative to elimination of grade crossings at Fresh Pond Road and Metropolitan Avenue; and report thereon by the Chief Engineer of the Board:

At a stated meeting of the Public Service Commission for the First District, duly held at its office No. 154 Nassau Street, in the Borough of Manhattan, City and State of New York, on the 29th day of June, 1915.

Present—Edward E. McCall, Chairman; J. Sergeant Cram, George V. S. Williams, Robert C. Wood, William Hayward, Commissioners.

Case No. 1261—*Resolution Authorizing Long Island Railroad Company to Arrange for Alteration of Buildings.*

In the matter of the hearing on the motion of the Commission on the question of alterations and changes in the following grade crossing with the tracks of the Long Island Railroad Company, Fresh Pond Road and Metropolitan Avenue, at Bushwick Junction.

Whereas, On December 8, 1911, the Commission adopted a final order and determination in this proceeding as to alterations and changes in the grade crossings above enumerated; and

Whereas, The Long Island Railroad Company, through J. R. Savage, its Chief Engineer, by letter dated June 8, 1915, applied to the Commission for approval of an arrangement to be made with Oscar B. Way and with the estate of Elizabeth J. Bowden whereby buildings belonging to the said Way and to the said estate of Elizabeth J. Bowden would be raised about 4½ feet and 3½ feet above their present grades, as shown on certain blue prints entitled "L. I. R. R. Co., Montauk Div., Bushwick Junction Elim. Proposed Change of Grade of Metropolitan Avenue Affecting Property of Oscar B. Way and Affecting Property of the Estate of Eliz. J. Bowden at Bushwick Junction," dated June 1, 1915; and

Whereas, The Chief Engineer of the Commission, by letter dated June 18, 1915, has reported that he recommends that the Commission give its approval and authority to the railroad company to arrange for the said changes in the said buildings; and

Whereas, Under the provisions of the Railroad Law the City of New York is the proper party to acquire lands or easements in connection with grade crossing elimination proceedings; now therefore it is

Resolved, That the Board of Estimate and Apportionment of The City of New York be and hereby is requested to authorize the Long Island Railroad Company to arrange with Oscar B. Way and with the estate of Elizabeth J. Bowden for changes to be made in their buildings in the manner shown on the blue prints referred to above, at an estimated cost for raising the Way Building of $790 and at an estimated cost for the Bowden Building of $1,000, with a view to avoiding damages to the said properties through changes in the grade of Metropolitan Avenue.

Further Resolved, That the Board of Estimate and Apportionment of The City of New York be and hereby is requested to insist that releases of all claims for damages due to the changes in grade of Metropolitan Avenue be obtained from said Way and from said Bowden Estate, as a consideration for the expenditure in making the changes in their buildings.

(L. S.) BY THE COMMISSION, TRAVIS H. WHITNEY, Secretary.

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 June 29, 1915, 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 30th day of June, 1915.

(Seal.) TRAVIS H. WHITNEY, Secretary.

Report No. 14805. July 1, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Under date of June 30, 1915, the Public Service Commission for the First District, through its Secretary, has transmitted to the Board a copy of resolutions adopted by the Commission on June 29th, 1915, relative to an arrangement with Oscar B. Way and the estate of Elizabeth J. Bowden for the raising of buildings owned by them near the junction of Metropolitan Avenue and Fresh Bond Road, Borough of Queens, which buildings will be damaged by the change in the grade of Metropolitan Avenue which is involved in the elimination of the grade crossing of this avenue and Fresh Pond Road with the tracks of the Long Island Railroad, the work on which elimination is now in progress as "Case Number 1261." The change in the grade of the street and the adaption of buildings to that change is believed by the Public Service Commission to involve the acquisition of certain easements of access, and the grade crossing law distinctly provides that the acquisition of property or easements in connection with the elimination of grade crossings shall be undertaken by the City of New York, although the expense is included in the joint account of the elimination, one-half of which is to be paid by the Railroad Company, and one-quarter each by the City and the State.

The two owners referred to have agreed to the raising of the buildings on their plots by the Long Island Railroad Company, and in case this is done, to make no further claims for damages. The Railroad Company estimates the expense of raising the building of Mr. Way at seven hundred and ninety dollars ($790), and the raising of the building of the Bowden estate at one thousand dollars ($1,000), the work, including the filling in of the property, to be done by the Railroad Company's own forces. It is important that whatever changes are made be done within the next few weeks and before the street grade is changed, in order to avoid damage through the accumulation of water and the flooding of cellars during construction.

The Public Service Commission in its resolution requests the Board of Estimate and Apportionment to authorize the Long Island Railroad Company to arrange with these two owners for such changes as are necessary at the estimated cost above named, and also to provide that releases shall be given by them of all claims for damages due to the change in grade as consideration for the expenditure.

I have discussed this matter informally with representatives of the Public Service Commission and the Long Island Railroad, and I am convinced that the cost of the changes proposed, if carried out by the Railroad Company, will be considerably less than would be the amount of the damages which would be allowed the owners if the City were to take steps to have these damages determined through a commission appointed by the court. The expenditures by the Railroad Company will be carefully checked by the Grade Crossing Elimination Division of the Public Service Commission, and, in my judgment, the arrangement which is proposed will be an advantageous one both from a financial point of view and in its effect upon expediting the work.

I would recommend, therefore, that the Board authorize the Long Island Railroad Company to do the work above described, and to include the expense of so doing in the cost of the grade crossing elimination, but that as a condition of this authorization a waiver be required from the owners of the property, in form approved by the Corporation Counsel, of all other claims for damages by reason of the change of grade of the street upon which the property is located. Respectfully,

NELSON P. LEWIS, Chief Engineer.

Hon. Joel J. Squier, Assistant Corporation Counsel, appeared and addressed the Board on the matter.

The following was offered:

Whereas, The Public Service Commission for the First District, by resolution adopted June 29, 1915, has requested the Board of Estimate and Apportionment to authorize the Long Island Railroad Company to arrange with Oscar B. Way and the Estate of Elizabeth J. Bowden for the raising of buildings belonging to the said Oscar B. Way and to the said Estate of Elizabeth J. Bowden, above the present grades of said buildings, as shown on certain blue prints entitled "L. I. R. R. Co., Montauk Div., Bushwick Junction Elim. Proposed Change of Grade of Metropolitan Avenue affecting property of Oscar B. Way and affecting property of the Estate of Eliz. J. Bowden at Bushwick Junction," dated June 1, 1915, and on file in the office of the Public Service Commission for the First District.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the Long Island Railroad Company to do the work above described and to include the expense of such work in the cost of the elimination of the grade crossing of the tracks of the Long Island Railroad at Metropolitan Avenue and Fresh Pond Road, in the Borough of Queens; the estimated cost for raising the Way buildings being $790 and the estimated cost for raising the Bowden building being $1,000.

Resolved, That this authorization is granted on condition that a waiver be secured from the owners of the property affected, in form approved by the Corporation Counsel, for all claims for damages by reason of the change of grade of the street upon which the property is located.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn and Queens and the Acting President of the Borough of Richmond—15.

Present and not voting—The President of the Borough of The Bronx.

Bureau of Contract Supervision.

Department of Water Supply, Gas and Electricity—Approval of Open Market Orders (Cal. No. 31).

The Secretary presented two communications dated July 2 and 3, 1915, respectively, from the Commissioner of Water Supply, Gas and Electricity requesting authority to issue open market orders against corporate stock accounts in connection with laying an 8-inch main in Lincoln place and Crown street, Borough of Brooklyn, at a total estimated cost of $551; and the following report of the Bureau of Contract Supervision recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On July 6, 1915, you referred to the Bureau of Contract Supervision two communications from the Commissioner of Water Supply, Gas and Electricity, dated July 3, 1915, requesting permission to issue open market orders against corporate stock accounts as follows:

1. $350, for work in connection with laying a new 8-inch water main in Lincoln Place, from Washington avenue to Underhill avenue, Borough of Brooklyn.
2. $201, for work in connection with laying a new 8-inch water main in Crown street, from Brooklyn Avenue to New York Avenue, Borough of Brooklyn.

Both of these items are chargeable to the corporate stock fund "C. D. W.—28 Water Supply System, Borough of Brooklyn, Extension of Distribution, for Small Mains." There is a sufficient balance available in this fund to cover these requisitions.

The work is proposed under open market orders because there are new houses in the streets that will be in need of water before the main could be laid under the regular contract procedure, and also because the streets are about to be paved. The excavating and refilling will be done by contract, and the pipe laying by the department labor force. The estimates of cost are reasonable.

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

Respectfully, TILDEN ADAMSON, Director.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 11, 1912, hereby approves expenditures by the Commissioner of Water Supply, Gas and Electricity, from corporate stock funds under open market orders, as follows:

Three hundred and fifty dollars ($350) for work in connection with laying a new eight-inch water main in Lincoln Place, from Washington avenue to Underhill avenue, Borough of Brooklyn, the cost to be charged against the corporate stock fund "C. D. W.—28, Water Supply System, Borough of Brooklyn, Extension of Distribution, for Small Mains."

Two hundred and one dollars ($201) for work in connection with laying a new eight-inch water main in Crown street, from Brooklyn avenue to New York avenue, Borough of Brooklyn, the cost to be charged against the corporate stock fund "C. D. W.—28, Water Supply System, Borough of Brooklyn, Extension of Distribution, for Small Mains."

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

Department of Water Supply, Gas and Electricity—Amendment of Approval of Contract for Laying Water Mains in the Borough of Brooklyn (Cal. No. 32).

The Secretary presented a communication dated July 3, 1915, from the Commissioner of Water Supply, Gas and Electricity, requesting amendment of contract for laying water mains in various streets in Brooklyn, by eliminating therefrom Lincoln place, between Underhill and Washington avenues, and reducing the estimated cost by $350; and the following report of the Bureau of Contract Supervision recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On July 6, 1915, you referred to the Bureau of Contract Supervision a communication from the Commissioner of Water Supply, Gas and Electricity, dated July 3, 1915, requesting that the contract for hauling and laying new water mains in Brooklyn, in Ames, Cleveland, Montgomery, etc., streets, which contract was approved by your Board on July 1, 1915, be amended by eliminating the work in Lincoln place and reducing the estimate of cost to $11,340.50.

The reason for this request is that it is desired in order to hasten the work in Lincoln place to issue an open market order for the excavating and filling at this point. Under the usual procedure work on the contract approved on July 1 would not start before the middle of August, and the time allowed for completion of the contract is 75 days. There are new houses in Lincoln place that will be ready for water before September and a contract for paving the street with asphalt has already been awarded.

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

Respectfully, TILDEN ADAMSON, Director.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Estimate and Apportionment on July 1, 1915, which approved the form of contract, plans, specifications, and estimate of cost in the amount of *eleven thousand six hundred and ninety dollars and fifty cents* ($11,690.50), for hauling and laying water mains and appurtenances in the Borough of Brooklyn, under the jurisdiction of the Department of Water Supply, Gas and Electricity, be *amended* by omitting the words *"in Lincoln Place,"* and by making the estimate of cost *eleven thousand three hundred and forty dollars and fifty cents* ($11,340.50).

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

Department of Public Charities—Authority to Expend Corporate Stock Appropriations (Cal. No. 33).

The Secretary presented two communications dated June 14 and 18, 1915, respectively, from the Commissioner of Public Charities, requesting authority to expend corporate stock appropriations for furnishing supplies to Randall's Island and the Kings County Hospital; and the following report of the Bureau of Contract Supervision:

City of New York, Board of Estimate and Apportionment, Municipal Building Bureau of Contract Supervision, July 3, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 18, 1915, you referred to the Bureau of Contract Supervision several communications from the Commissioner of Public Charities, requesting permission to expend several small amounts of various corporate stock appropriations, as follows:

June 18, 1915—For furnishing and delivering 10 300-lb. galvanized ice cans, for ice plant Randalls Island; from the fund entitled CCH40CD..... $47 50

June 18, 1915—For furnishing and installing 40 suspension brackets for ironing boards in laundry, Randalls Island; from the fund entitled CCH40CD 240 00

June 14, 1915—For furnishing and delivering 15 sewing machines, with table complete and 1½ horsepower motor for same, for Children's Hospital and Schools, Randalls Island; from the fund entitled CCH40CD.. 480 00

June 14, 1915—For furnishing and delivering furniture and surgical instruments for the Children's Hospital, Kings County Hospital, from the fund entitled CCH—26A 300 70

The ice cans are necessary for the economical operation of the plant. The suspension brackets are also necessary for the proper handling of electric irons in use at Randalls Island. Both of these items are such as are usually supplied with original installations, and their omission from the specifications for equipping the plant may be considered an oversight.

The sewing machines for Childrens Hospital and Schools should not be purchased from an appropriation for the construction and equipment of a boiler house, the fund to which it is proposed to charge the expenditure.

The purchase of furniture and surgical instruments for the Children's Hospital, Kings County Hospital, should be charged to budgetary funds. This hospital has been equipped, occupied and in operation for over a year. Many of the items that it is proposed to purchase are replacements of instruments and apparatus which were supplied when the hospital was originally equipped.

I recommend the adoption of the attached resolution approving the purchase of ice cans and suspension brackets for electric irons, and disapproving the purchase of the sewing machines and surgical instruments.

Respectfully, TILDEN ADAMSON, Director.

Hon. Henry C. Wright, Deputy Commissioner, Department of Public Charities appeared and requested approval of the third item.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 11, 1912, hereby *approves* of the purchase of ten 300-pound galvanized ice cans to be used in connection with the ice machine in the boiler house, at a cost not exceeding $47.50, and the purchase of forty suspension brackets, at a cost not to exceed $240, for the laundry at Randalls Island, under the jurisdiction of the Department of Public Charities, to be charged to the fund CCH40CD; *and disapproves* of the purchase of fifteen sewing machines for Children's Hospital and Schools, Randalls Island, at a cost of $480, to be charged to the fund CCH40CD, and also *disapproves* of the purchase of furniture and surgical instruments at a cost of $300.70 for the Children's Hospital, Kings County Hospital, to be charged to the fund CCH26A, as requested by the Commissioner of Public Charities, under dates of June 18 and 14, 1915, respectively.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

Department of Public Charities—Authority to Expend Corporate Stock Appropriation (Cal. No. 34).

The Secretary presented a communication dated June 21, 1915, from the Commissioner of Public Charities requesting authority to expend corporate stock appropriation in the sum of $237.38, for use in the construction of kitchen and dining hall at the Metropolitan Hospital District, Blackwells Island; and the following report of the Bureau of Contract Supervision recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 30, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 22, 1915, you referred to the Bureau of Contract Supervision, a communication from the Commissioner of Public Charities, dated June 21, 1915, requesting approval of the expenditure of $237.38 for additional concrete footings for piers, where excavations were required deeper than test borings showed, in the construction of the Kitchen and Dining Hall Building, Metropolitan Hospital District, Blackwells Island.

The purpose of this request is to provide for payment to the contractor for about 677 cubic feet of concrete for footings at the contract price of 35 cents, which are necessary in connection with the construction of the foundations for the kitchen building.

The cost of the work is to be charged to the fund C. C. H.—33G, in which sufficient balance is available.

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

Respectfully, TILDEN ADAMSON, Director.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 11, 1912, hereby approves of the expenditure, by the Commissioner of Public Charities, of two hundred and thirty-seven dollars and thirty-eight cents ($237.38), for additional concrete footings for piers for the Kitchen and Dining Hall Building, Metropolitan Hospital, Blackwells Island, the cost to be charged to the corporate stock fund entitled "C. C. H.—33G, Department of Public Charities, Construction and Equipment of Kitchen and Dining Hall for Tuberculosis Patients, Metropolitan Hospital."

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Public Charities—Authority to Expend Corporate Stock Appropriation (Cal. No. 35).

The Secretary presented a communication dated June 21, 1915, from the Commissioner of Public Charities requesting authority to expend corporate stock appropriation in the sum of $800 for supplying furniture for the Sea View Hospital; and the following report of the Bureau of Contract Supervision recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 3, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 22, 1915, you referred to the Bureau of Contract Supervision a communication from the Commissioner of Public Charities dated June 21, 1915, requesting approval of the expenditure of $800 for furniture for Sea View Hospital.

The purpose of the request is to provide for furnishing certain rooms in the staff house and nurses' home where furniture has not been provided. The rooms to be furnished are as follows:

Staff House—Living room, reading room, Deputy Superintendent's room, hall, billiard room.

Nurses' Home—Assistant Supervising Nurse's room.

The request also provides for several additional pieces of furniture for the recreation and reception rooms in the Nurses' Home.

These rooms are now either entirely unfurnished or contain furniture borrowed from the wards, bedrooms or dining rooms.

The cost of the furniture is to be charged to the corporate stock fund entitled "C. C. H.—49," in which sufficient balance is available for the purchase proposed.

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

Respectfully, TILDEN ADAMSON, Director.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 11, 1912, hereby approves of the expenditure, by the Commissioner of Public Charities, of eight hundred dollars ($800) for furniture for Sea View Hospital, Borough of Richmond, the cost to be charged to the corporate stock fund entitled "C. C. H.—49, Sea View Hospital on Staten Island, Furniture and Fixtures," said expenditure to be made in accordance with a schedule on file in the Bureau of Contract Supervision of the Board.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Parks, Borough of Brooklyn—Approval of Form of Contract, Plans, Specifications, Etc. (Cal. No. 36).

The Secretary presented a communication dated June 18, 1915, from the Commissioner of Parks, Borough of Brooklyn, requesting approval of form of contract, plans, specifications, etc., for furnishing and placing riprap along Shore Road, between Latting Place and Fort Hamilton, Borough of Brooklyn, at an estimated cost of $4,000; and the following report of the Bureau of Contract Supervision recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 23, 1915, you referred to the Bureau of Contract Supervision a communication from the Commissioner of Parks, Borough of Brooklyn, requesting approval of the form of contract, plans, specifications and estimate of cost in the sum of $4,000 for furnishing and placing ten thousand (10,000) tons of riprap along the shore road between Latting Place and Fort Hamilton, Borough of Brooklyn.

The cost is to be paid from a corporate stock fund of $1.875,000, approved by the Board of Estimate and Apportionment on December 24, 1905, and, as amended, on June 5, 1913; and approved by the Mayor on December 27, 1905, and, as amended, on July 1, 1913, which is entitled C. D. P.—249, Parks, Department of, Shore Road, between 1st Avenue and Fort Hamilton, Borough of Brooklyn, Completion of." On July 1, 1913, an unencumbered balance of $37,697.83 remained in the fund.

The necessity for this riprap arises from the following facts:

A sea wall has been built along the Shore Road Improvement between Latting Place and a point near the proposed termination of the road, at the Government Pier at Fort Hamilton, the cost being paid from the above described fund. This wall has been built under two contracts; the first with the contracting firm of Rogers and Haggerty, Inc., the second with Henry Steers, Inc. The first contract has been completed and the second is nearly so. Both of these contracts included the furnishing of certain quantities of riprap (all of which has been delivered), which the engineers of the Department of Parks, Borough of Brooklyn, considered would be sufficient to fill in where required, and to place in front of the wall to act as a breakwater.

Upon construction of the wall, however, it has developed that the quantities called for in the contracts were insufficient. The contracts provided that the sea wall should be built on a riprap foundation, which was placed a number of years ago, and which was supposed to have reached ultimate settlement. Upon construction of the wall upon this foundation further settlement at a number of places has developed.

It is necessary, therefore, that an additional quantity of riprap be placed along face of the wall to protect and to act as a breakwater to the same.

The form of contract, plans and specifications are satisfactory, and the estimate of cost is reasonable.

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

Respectfully, TILDEN ADAMSON, Director.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 11, 1912, hereby approves the form of contract, plans, specifications and estimate of cost in the sum of four thousand dollars ($4,000) for furnishing and placing ten thousand (10,000) tons of riprap along the Shore Road, between Latting Place and Fort Hamilton, Borough of Brooklyn, under the jurisdiction of the Department of Parks, Borough of Brooklyn, the cost to be paid from the corporate stock fund entitled "C. D. P.—249, Parks, Department of, Shore Road, between 1st Avenue and Fort Hamilton, Borough of Brooklyn, Completion of," provided, however, it no bids are received for said work within the estimated cost, the amount of such estimated cost upon the bids so received may be reconsidered in its discretion by the Board of Estimate and Apportionment or by any official designated by the Board, provided that any of such bids is within the amount authorized and available for said work.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Alder-

men, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Bureau of Records and Minutes.

Approved Papers—Changes in the City Map (Cal. No. 37).

The following report of the Secretary was ordered printed in the Minutes and filed:

City of New York, Board of Estimate and Apportionment, Office of the Secretary, Municipal Building, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—I beg to inform you that on June 29, 1915, his Honor, the Mayor, approved the resolutions adopted by the Board of Estimate and Apportionment on June 25, 1915, changing the map or plan of the City of New York as follows:

229. By changing the lines and grades of the street system within the territory bounded approximately by Corlear avenue, West 242nd street, Waldo avenue, West 244th street, Spuyten Duyvil parkway, Riverdale avenue, West 250th street, Fieldston road, West 253rd street and Broadway, Borough of The Bronx.

230. By changing the grades of Unionport road from a point about 200 feet south of Morris Park avenue to Van Nest avenue, Borough of The Bronx,

231. By establishing lines and grades for the street system within the territory bounded by Van Wyck avenue, Archer street, Roseville avenue and Chichester avenue, Borough of Queens.

232. By changing the lines and grades of the street system within the territory bounded by Broadway, Polk avenue and 16th street, Borough of Queens.

233. By changing the lines and grades of the street system within the territory bounded by Gates avenue, Onderdonk avenue, Palmetto street, Woodward avenue, Woodbine street, Fairview avenue, Madison street, Forest avenue, Putnam avenue, Fresh Pond road, Madison street, Shaler street, Metropolitan avenue, Lutheran Cemetery Branch of the Brooklyn Rapid Transit Railroad, Shaler street, Hughes street, Fresh Pond road, Cornelia street, Fairview avenue, Putnam avenue, Woodward avenue, Madison street, Onderdonk avenue, Woodbine street, Myrtle avenue and the Brooklyn Borough line, Borough of Queens.

234. By adjusting the block dimension on the easterly side of Burrough avenue between Garfield street and Railroad avenue, Borough of Queens.

235. By establishing lines and grades for the street system within the territory designated as Section 113 of the Final Maps, Borough of Queens. Respectfully,

JOSEPH HAAG, Secretary.

From City, Borough and County Officials.

President, Borough of Manhattan—Suggestion Relative to Use of Telephone in City Hall (Cal. No. 38).

(On June 4, 1915 (Cal. No. 31), the communication in this matter was referred to the President of the Borough of Manhattan.)

The Secretary presented a communication dated May 27, 1915, from the President of the United Real Estate Owners' Association, suggesting that as the public frequenting the City Hall uses free of charge the telephones located outside of the Aldermanic Chamber, that said telephones be changed into "nickel in the slot 'phones"; and the following report of the President of the Borough of Manhattan:

Office of the President, Borough of Manhattan, June 29, 1915.

To the Honorable Board of Estimate and Apportionment, Municipal Building:

Gentlemen—The receipt of your communication of June 4th in reference to the letter dated May 27th, 1915, from Mr. Stewart Browne, President of the United Real Estate Owners' Association, suggesting that as the public frequenting the City Hall uses, free of charge, the telephones located outside of the Aldermanic Chambers, the said telephones be changed into the "nickel in the slot 'phones," is acknowledged.

The communication is in error concerning the free use by the public of the 'phones in question. These 'phones are placed upon the Aldermanic switchboard, and are entirely under their control; no connection is furnished unless the authority is established to the satisfaction of the telephone switchboard operator. The arrangement of slot machines has been provided in the City Hall at the other end of the building on this floor, where the public can use the same, for the reason that it furnished the best place for the booths, and the telephone using public gathers in that end of the building in larger numbers. There is also one other slot machine 'phone in the building on the first floor.

In view of the arrangments which now exist and are satisfactory to the Board of Aldermen, and the provision for the public in the matter of telephones, I would respectfully report against any change of the present Aldermanic Chambers' telephones, but advise that the Sergeant-at-Arms be directed to control the use of these 'phones at all times. Sincerely yours, MARCUS M. MARKS, President, Borough of Manhattan.

P. S. The following is an exact record of the outgoing and incoming telephone calls from June 12th to June 26th, 1915, inclusive:

Date.	Outgoing.	Incoming.	Daily Total.
June 12	4	1	5
June 14	21	4	25
June 15	70	15	85
June 16	9	2	11
June 17	9	3	12
June 18	33	13	46
June 19	16	2	18
June 21	26	7	33
June 22	46	31	77
June 23	21	12	33
June 24	15	20	35
June 25	14	19	33
June 26	7	2	9
Totals	291	131	422

The above shows the following daily average:

Outgoing	22-5/13 calls
Incoming	10-1/13 calls
Outgoing and Incoming	32-6/13 calls

Mr. Stewart Browne appeared in opposition to the report.

The papers were ordered filed and the Secretary was directed to notify the President of the United Real Estate Owners' Association of the action taken in the matter.

LOCAL IMPROVEMENTS.

Preliminary Authorization.

Borough of The Bronx.

Starling Avenue, from Olmstead Avenue to Unionport Road; Unionport Road, from Starling Avenue to McGraw Avenue; and McGraw Avenue, from Unionport Road to Pugsley Avenue, Borough of The Bronx—Sewers.

Sewerage District No. 43-B-6, Borough of The Bronx—Modification in Drainage Plan (Cal. No. 39).

The Secretary presented a resolution adopted June 1, 1915, by the Local Board of the Chester District, initiating proceedings for this improvement, a communication dated May 1, 1915, from the Commissioner of Public Works, Borough of Queens, transmitting the modified drainage plan; and the following report of the Chief Engineer:

Report No. 14807. July 6th, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a resolution of the Local Board of the Chester District, Borough of The Bronx, adopted on June 1st, 1915, initiating proceedings for constructing sewers in the following streets:

Starling avenue, from Olmstead Avenue to Unionport Road; Unionport road, from Starling Avenue to McGraw Avenue; McGraw Avenue, from Unionport Road to Pugsley Avenue.

There is also transmitted a communication from the Commissioner of Public Works, bearing date of May 1st, 1915, requesting the approval of a modified plan for the drainage of these streets.

The resolution affects lengths varying from 100 feet of Unionport Road to 200 feet of Starling Avenue, with an aggregate length of about 900 feet.

Title to Starling Avenue and to McGraw Avenue has been legally acquired, and the portion of Unionport Road affected has been many years in use as a highway so that the land is undoubtedly subject to the City's easement.

In a communication bearing date of July 2nd, 1915, the Borough President has requested that a report upon this matter be presented for the consideration of the Board at as early a date as possible, stating that the existing buildings are without proper drainage facilities and that certain additional development is being deferred until sewers have been constructed. The work is petitioned for by five property owners representing about 18 per cent. of the frontage which, in the interior lots, is assessed as having a value, excluding buildings ranging from $36 to $40 per linear foot. In the area indirectly affected, the taxed land value is $40 per linear foot.

The work is estimated to cost about $8,400, and it is estimated that the corresponding assessment on each side will amount to about $5, and to about 40 cents per front foot respectively in the areas directly and indirectly affected. The assessed valuation of the property to be benefited is reported to be $288,000.

An inspection of the ground shows that Unionport Road is paved, and that each of the remaining streets is graded, curbed and flagged. Six buildings have been erected upon the abutting property, two of which front on Starling Avenue and four on McGraw Avenue. The outlet sewer in Olmstead Avenue was recently given final authorization.

The necessity of immediately providing for the drainage of such buildings as have already been erected, or are about to be erected, along the lines of these streets is quite apparent, and in conformity with the rules of the Board, preliminary authorization of this improvment might properly be now given, such action being recommended.

The map herewith presented provides certain minor modifications in the plan heretofore approved for the drainage of Unionport Road, McGraw Avenue and Starling Avenue at their intersection, and consists principally in the extension eastwardly of the sewer in McGraw Avenue so as to permit of connecting directly with the Starling Avenue sewer through a connection within the lines of Unionport Road, this making it unnecessary to carry out any condemnation proceedings prior to the construction of the McGraw Avenue sewer. The plan appears to be a proper one, and its approval is also recommended.

Respectfully, NELSON P. LEWIS. Chief Engineer.

The following was offered:

Whereas, the President of the Borough of The Bronx has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 1st day of June, 1915, and approved by the President of the Borough of The Bronx on the 1st day of July, 1915, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For constructing sewers and appurtenances in Starling Avenue, between Olmstead Avenue and Unionport Road; and in Unionport Road, between Starling Avenue and McGraw Avenue; and in McGraw Avenue, between Unionport Road and Pugsley Avenue, together with all work incidental thereto,"

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of The Bronx to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of The Bronx has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the modified drainage plan for Sewerage District No. 43-B-6, Borough of The Bronx, showing location, sizes and grades of sewers in McGraw Avenue between a point about 250 feet east of Pugsley Avenue and Unionport Road; in Hoguet Avenue between McGraw Avenue and Unionport Road; in Unionport Road, between Hoguet Avenue and Olmstead Avenue; and in Starling Street, between Hoguet Avenue and Olmstead Avenue, bearing the signature of the President of the Borough and dated April 27, 1915.

Which was adopted by the folowing vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

Final Authorization.

Borough of The Bronx.

The Secretary presented the following report of the Chief Engineer relating to Cal. Nos. 40 to 43, inclusive:

Report No. 14809. July 6, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith are transmitted communications from the President of the Borough of The Bronx, advising that all of the conditions imposed by the Board prior to the authorization of the following local improvements have been complied with:

1. Paving with bituminous concrete (preliminary pavement) St. Lawrence Avenue from Merrill Street to Tremont Avenue (East 177th Street), and adjusting the curbing where necessary.

The preliimnary work for this improvement was authorized by the Board of Estimate and Apportionment on July 1, 1915, at which time information was presented to show that its probable cost would be about $3,100. The Borough President states that the time to be allowed for the completion of the improvement is 15 days, and that the expense incurred for the preliminary work amounts to $14.67.

The work to be done comprises the following: 1,700 sq. yds. bituminous concrete pavement, 500 lin. ft. curbing adjusted. The cost of the improvement is now estimated to be $3,000.

2. Reconstructing sewers in the following streets: Kinderman Place, from Webster Avenue to Brook Avenue; Brook Avenue, from Kinderman Place to a point about 200 feet southerly therefrom.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on June 25, 1915, at which time information was presented to show that its probable cost would be about $5,500. The Borough President states that the time to be allowed for the completion of the improvement is 100 days and that the expense incurred for the preliminary work amounts to $9.17.

The work to be done comprises the following: 260 linear feet 18-inch pipe sewer, 182 linear feet 15-inch pipe sewer, 5 linear feet 12-inch pipe sewer, 6 manholes. The cost of the improvement is now estimated to be $5,300.

3. Sewer in Fieldston Road, from West 253rd Street to West 252nd Street, and on the westerly side of the street from West 252nd Street to a point 300 feet north

of West 250th Street, together with a temporary connection in Fieldston Road from West 253rd Street to West 254th Street, and in West 254th Street from Fieldston Road to the existing sewer easterly therefrom.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on May 28, 1915, at which time information was presented to show that its probable cost would be about $22,000. The Borough President states that the time to be allowed for the completion of the improvement is 150 days, and that the expense incurred for the preliminary work amounts to $27.31.

The work to be done comprises the following: 813 linear feet 15-inch pipe sewer, 1,260 linear feet 12-inch pipe sewer, 21 manholes. The cost of the improvement is now estimated to be $17,000.

The urgency of these improvements was established at the time when the preliminary authorizations were granted, and it is recommended that the construction work be now authorized.

Respectfully, NELSON P. LEWIS, Chief Engineer.

St. Lawrence Avenue, from Merrill Street to Tremont Avenue (East 177th Street), The Bronx—Paving and Curbing (Cal. No. 40).

The following was offered:

A copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 4th day of May, 1915, and approved by the President of the Borough of The Bronx on the 19th day of May, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For paving with bituminous concrete on a cement concrete foundation (preliminary pavement), the roadway of St. Lawrence Avenue, from Merrill Street to Tremont Avenue (East 177th Street), adjusting curb where necessary, together with all work incidental thereto, in the Borough of The Bronx, City of New York."

—and thereupon, on the 1st day of July, 1915, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of The Bronx to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey, and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of The Bronx had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of The Bronx, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $3,000; and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $119,100, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved, and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Kinderman Place, from Webster Avenue to Brook Avenue; and Brook Avenue, from Kinderman Place to a Point About 200 Feet Southerly Therefrom, The Bronx—Reconstructing Sewers (Cal. No. 41).

The following was offered:

Whereas, The Board of Estimate and Apportionment, after a public hearing held by said Board on June 25, 1915, adopted a resolution authorizing the President of the Borough of The Bronx to do the preliminary work in connection with construction of sewers in Kinderman Place, from Webster Avenue to Brook Avenue; and Brook Avenue, from Kinderman Place to a point about 200 feet southerly therefrom, Borough of The Bronx; and

Whereas, The resolution adopted by the Board on June 25, 1915, authorized the President of the Borough of The Bronx to prepare plans, specifications and an estimate of the cost of the said local improvement based on actual survey, and also to secure a determination of the boundary of the proposed district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment; and

Whereas, The said resolution having been duly complied with by the President of the Borough of The Bronx, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $5,300, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $1,074,558, having also been presented, be it

Resolved, That the Board of Estimate and Apportionment hereby authorizes the said local improvement, and directs the President of the Borough of The Bronx to proceed with the construction thereof; be it further

Resolved, That the Board of Estimate and Apportionment hereby determines that no portion of the cost and expense of the said local improvement shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Fieldston Road, from West 253d Street to West 252d Street, and on the Westerly Side of the Street, from West 252d Street to a Point 300 Feet North of West 250th Street; Fieldston Road, from West 253d Street to West 254th Street, and in West 254th Street, from Fieldston Road to the Existing Sewer Easterly Therefrom, The Bronx—Sewer and Temporary Connection (Cal. No. 42).

The following was offered:

A copy of a resolution of the Local Board of the Van Courtlandt District, duly adopted by said Board on the 20th day of October, 1914, and approved by the President of the Borough of The Bronx on the 15th day of December, 1914, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For constructing sewers and appurtenances in Fieldston Road, between West 253rd Street and West 252nd Street; and in Fieldston Road (west side), between West 252nd Street and a point 300 feet north of West 250th Street, with a temporary connection in Fieldston Road, between West 253d Street and West 254th Street; and in West 254th Street, between Fieldston Road and the existing sewer in West 254th Street east of Fieldston Road, together with all work incidental thereto, in the Borough of The Bronx, City of New York."

—and thereupon, on the 28th day of May, 1915, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of The Bronx to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey, and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of The Bronx had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of The Bronx, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $17,000; and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $107,000, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved, and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

COMMUNICATIONS, PETITIONS, ETC.

From Citizens and Public Bodies.

Public Service Commission for the First District; Department of Bridges—Proposed Plans Relative to Laying Out a New Rapid Transit Route for a Tunnel Connection Between Second Avenue and 60th Street, Manhattan, and the Queens Plaza of the Queensboro Bridge, Queens (Cal. No. 43).

The Secretary presented two communications dated July 2, 1915, from the Chamber of Commerce of the Borough of Queens and from the Sunnyside Taxpayers' Association of the Borough of Queens, relative to the method of bringing the rapid transit subway trains of the Broadway-59th Street Line from 59th and 60th streets, Manhattan, to the Queensboro Bridge Plaza in Long Island City.

Both of these communications urge the construction of a tunnel under the East River rather than the reconstruction of the Queensboro Bridge.

The Secretary presented a communication dated July 8, 1915, from the Real Estate Board of New York, favoring the proposed tunnel.

Mr. John Adikes appeared in support of the communications.

The matter was laid over until July 14, 1915.

Court House Board—Operation of Electrical Generator Plant (Cal. No. 44).

The Secretary presented a communication dated July 2, 1915, from the General Commercial Manager of the New York Edison Company, referring to the inclusion in the preliminary plans and specifications for the new court house, New York County, of the installation and prospective operation of a private electrical generating plant and comparing the cost to the City of generating electric current on the premises and of the cost of obtaining current from an outside source, all of which is submitted with a view to the City finding it practicable to adopt the services of the New York Edison Company in connection with the new court house.

Which was referred to the Committee on the City Plan and to the Committee on Corporate Stock Budget.

A. T. Stewart Realty Company (Cal. No. 45).

The Secretary presented an application of A. T. Stewart Realty Company for permission to maintain and use an existing pipe tunnel across 9th Street about 61 feet west of 4th Avenue, Borough of Manhattan, connecting the premises of the Company on opposite sides of said street, and to be used to contain steam and water pipes, pneumatic tubes and electric wires.

At the meeting of March 5, 1915 (Cal. No. 76), a report was received from the Bureau of Franchises stating no authority could be found for the construction of this tunnel, and the corporation of John Wanamaker, New York, was requested to present an application to this Board on or before March 20, 1915, for the right to continue to maintain and operate same.

By resolution adopted April 1, 1915 (Cal. No. 62), the Company was granted an extension of time until June 1, 1915, to present such application.

The application was referred to the Bureau of Franchises.

Robert Gair Company (Cal. No. 46).

The Secretary presented an application from Robert Gair Company for permission to construct, maintain and use a concrete conduit under and across Front Street 70 feet west of Washington Street, Borough of Brooklyn, connecting premises of the applicant on opposite sides of said street.

Which was referred to the Bureau of Franchises.

Laurel Hill Boulevard Grade Crossing of the Long Island Railroad, Borough of Queens—Discontinuing Proceeding Relative to Elimination of (Cal. No. 47).

The Secretary presented a communication, dated June 30, 1915, from the Secretary of the Public Service Commission for the First District, transmitting certified copy of an order adopted by said Commission June 29, 1915, discontinuing the proceeding relative to the elimination of the Laurel Hill Boulevard grade crossing of the Long Island Railroad, in the Borough of Queens.

The communication was ordered filed and the Secretary was directed to notify the Chief Engineer.

New York County Court House—Relative to Cost of (Cal. No. 48).

The Secretary presented a communication, dated July 3, 1915, from Courtlandt DeLancey, stating that if the Board will take into consideration the cost of the construction of the Hall of Records it will serve as an object lesson in the matter of the new Court House.

Which was ordered filed.

From City, Borough and County Officials.

Department of Parks, Borough of Brooklyn—Modification of Schedule (Cal. No. 49).

The Secretary presented a communication, dated July 6, 1915, from the Commissioner of Parks, Borough of Brooklyn, requesting the modification of Salary Schedule No. 1280 for his Department for the year 1915.

The matter was laid over until July 29, 1915.

Charitable Institutions—Transfer of Appropriation (Cal. No. 50).

The Secretary presented the following communication from the Comptroller:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, June 25, 1915.

To the Board of Estimate and Apportionment, The City of New York:

Gentlemen—Application is hereby made for the transfer of $325 within the appropriation made to charitable institutions for the year 1915, as follows:

FROM
COUNTY OF NEW YORK.

3173	St. Joseph's Institute for the Improved Instruction of Deaf Mutes.	$325 00
	Total	$325 00

TO
COUNTY OF NEW YORK.

3176	Central New York Institution for Deaf Mutes	$325 00
	Total	$325 00

The appropriation for account No. 3176 for 1915 was $60 and the liabilities will amount approximately to $385, making necessary a transfer of $325.

This transfer is made necessary by the fact that at the time the 1915 appropriation was made the amount appropriated was based upon conditions which warranted only an appropriation for clothing State pupils amounting to $60.

On November 11, 1914, after the 1915 budget had been adopted, a New York County pupil was appointed by the authorities, payable at the rate of $325 per annum, for care and maintenance. In order to meet this charge, which was not anticipated either by the institution or the City, the foregoing transfer is requested.

There is a sufficient balance in the account from which the amount of the transfer

is to be made to permit of the same. No increase in the total appropriations to charitable institutions for the year 1915 will result from the proposed transfer.

Respectfully submitted, 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 of the transfer of funds appropriated to Charitable Institutions for the year 1915, as follows:

FROM

COUNTY OF NEW YORK.

3173 St. Joseph's Institute for the Improved Instruction of Deaf Mutes. $325 00

TO

COUNTY OF NEW YORK.

3176 Central New York Institution for Deaf Mutes..... $325 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Commissioners of Accounts—Survey of the Organization and Functions of the Government of The City of New York (Cal. No. 51).

The Secretary presented a communication dated July 1, 1915, from the Commissioner of Accounts, transmitting copy of the survey of the Organization and Functions of the Government of The City of New York, prepared by the office of the Commissioners of Accounts for the Constitutional Convention.

Which were referred to the Committee on Tax Budget.

City Magistrates' Court—Fixing Salary of City Magistrate (Cal. No. 52).

The Secretary presented a communication dated June 30, 1915, from Hon. O. Grant Esterbrook, City Magistrate, Second Division, stating that on June 28, 1915, he was appointed a City Magistrate and designated as Chief City Magistrate of the Second Division to succeed Hon. Otto Kempner, deceased, for the unexpired term ending July 1, 1920; that on July 1, 1915, under section 50, chapter 531, Laws of 1915, the two divisions of the City Magistrates' Courts were discontinued and there is but one Board of City Magistrates, the Chief City Magistrates and City Magistrates of the First and Second Divisions being continued in office as City Magistrates until the terms for which they were appointed respectively shall have expired. The present salary of the Chief City Magistrate in each division is $8,000 per annum, and that of City Magistrate $7,000 per annum.

It is requested, inasmuch as it does not seem to be the intent of the statute to differentiate between City Magistrates, that the Board take the necessary action to fix his salary as City Magistrate from July 1, 1915, at $7,000 per annum.

Which was referred to the Committee on Salaries and Grades.

Department of Correction—Retirement of Mrs. Kate O'Brien, Matron (Cal. No. 53).

The Secretary presented a communication dated July 1, 1915, from the Assistant Secretary to the Mayor, transmitting communication, dated June 30, 1915, from the Commissioner of Correction, requesting the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of Mrs. Kate O'Brien, a Matron in said Department.

Which was referred to the Committee on Salaries and Grades.

District Attorney, Bronx County—Withdrawing Requests for Appropriations (Cal. No. 54).

The Secretary presented a communication dated July 1, 1915, from the Acting District Attorney of Bronx County, withdrawing communications presented to the Board on June 11, 1915 (Cal. No. 140), and June 18, 1915 (Cal. No. 108), requesting respectively an appropriation of $9,500 for the purpose of replenishing Accounts Nos. 3261, 3262 and 3266 for the office of the District Attorney of Bronx County for the year 1915, and appropriation of $50 to provide for the payment of a temporary Telephone Operator in the office of the District Attorney of Bronx County for the month of August, 1915.

(On the above dates these requests were referred to the Comptroller.)

The Secretary was directed to return the communications to the District Attorney of Bronx County.

Communications from the Mayor's Office (Cal. No. 55).

The Secretary presented communications from the Mayor's Office, returning duly approved by His Honor, the Mayor, on June 29, 1915, resolutions adopted by this Board June 4, 11, 18 and 25, 1915, as follows:

(a) Approving the plans and conclusions and consenting to the construction of a rapid transit railway known as "Modification of Flatbush Avenue-St. Felix Street-Fulton Street Route."

(b) Granting the Kingsbridge Railway Company an extension of time until June 1, 1916, to maintain and operate a street surface railway track along 9th Avenue from 218th Street to a point a few feet north of 220th Street, Borough of Manhattan.

(c) Approving the plans and conclusions and consenting to the construction of a rapid transit railway known as "Westchester Avenue Connection."

(d) Granting the New York, New Haven and Hartford Railroad Company permission to maintain and use a conduit until June 4, 1916, under and across East 149th Street at a point about 650 feet north of the bulkhead line of the East River, Borough of The Bronx.

(e) Granting The American Sugar Refining Company of New York permission to install, maintain and use a conduit under and across Kent Avenue at a point about 50 feet north of the northerly line of South Second Street, Borough of Brooklyn.

(f) Revoking consent granted The American Sugar Refining Company of New York to install, maintain and use a conduit under and across Kent Avenue at a point about 118 feet north of the northerly line of South Second Street, Borough of Brooklyn.

(g) Granting the Centadrink Filters Company, Inc., permission to install, maintain and operate automatic drinking water fountains on the approaches to the city bridges across the East River, for the purpose of automatically vending carbonated water.

(h) Revoking consent granted New York Centadrink Company to install, maintain and operate automatic drinking water fountains on the approaches to the bridges over the East River, connecting the Boroughs of Manhattan and Brooklyn, for the purpose of automatically vending carbonated water.

(i) Granting the J. Chr. G. Hupfel Brewing Company permission to install, maintain and use a conduit under and diagonally across East 38th Street between Second and Third Avenues, Borough of Manhattan.

Which were ordered filed.

Lurting Avenue, from Walker Avenue to the Property of the New York, New Haven and Hartford Railroad Company, Borough of The Bronx—Discontinuing Proceedings for Acquiring Title (Cal. No. 56).

The Secretary presented a communication, dated July 2, 1915, from the Acting Corporation Counsel notifying the Board in connection with the proceeding to open and extend Lurting avenue, from Walker avenue to the property of the New York, New Haven and Hartford Railroad Company in the 24th Ward, Borough of The Bronx, that by an order of the Supreme Court of the State of New York, First Department, entered in the office of the Clerk of the County of Bronx, on the 16th day of June, 1915, the motion of the Objectors for the discontinuance of this proceeding was granted, and the proceeding was in all respects discontinued.

Which was ordered filed.

Review Avenue, from Howard Street to Borden Avenue, Borough of Queens—Regulating and Paving (Cal. No. 57).

The Secretary presented a resolution adopted by the Local Board of the Newtown District on June 17, 1915, rescinding resolution adopted July 29, 1913, initiating proceedings for regulating and paving Review avenue, from Howard street to Borden avenue, First Ward, Borough of Queens.

(At the meeting of the Board of Estimate and Apportionment held March 13, 1913 (Cal. No. 69), the above resolution was referred back to the President of the Borough of Queens.)

The resolution was ordered filed.

FIXING DATES FOR FUTURE HEARINGS.

On Changes in the City Map.

Borough of Richmond.

Richmond Terrace, from Holland Avenue to a Point About 225 Feet West of Western Avenue, Borough of Richmond—Establishing Lines and Grades and Changing Grade (Cal. No. 58).

The Secretary presented a communication, dated June 22, 1915, from the President of the Borough of Richmond, transmitting a map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14806. July 3, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the President of the Borough of Richmond, bearing date of June 22, 1915, requesting the approval of a map showing the lines and grades proposed for Richmond Terrace between Holland Avenue and a point about 225 feet west of Western Avenue.

Under either tentative or final maps heretofore approved by the Board provision has been made for laying out Richmond Terrace through its entire length, this comprising approximately six miles, excepting through a length of about 2,000 feet near the extreme westerly end, where it leads to the Elizabethport Ferry. The street as in use has an irregular width which it has been proposed to increase to 80 feet.

Final maps have been adopted definitely fixing the lines and grades for the sections between Jay Street and Westervelt Avenue, and between Nicholas Avenue and Holland Avenue, these relating to a total distance of a little over two miles.

The map now presented comprises a length of about one-half mile, and relates to a section at its extreme westerly end as tentatively mapped. The area traversed is generally unimproved, and it would appear that the lines as planned could be carried out with damage to only one building.

An examination of the ground shows that a macadamized roadway, generally narrow but of irregular width, falls wholly within the street lines, and that it is used as the route for a double track trolley railroad.

The grades planned are generally in harmony with those indicated upon the tentative map, although some minor readjustment is proposed. At the easterly end the elevations are considerably lower than required under the practice now generally observed by the Board other than in cases where improvements have been carried out to such an extent as to prevent the substitution of higher elevations, and I believe that unless a modification in this treatment is made before permanent improvements are installed their retention might result in a serious problem as to drainage.

I believe that the map might properly be approved after a public hearing, and would recommend such action, but with the understanding that steps will be taken in the near future to modify the grades in the section immediately west of Holland Avenue, as required to clear the way for the adoption of an elevation at the bulkhead of five feet, and at the same time permit of surface slopes which would afford drainage and clear the way for the construction of suitable sewers.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The following resolution was offered:

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 establishing the lines and grades of Richmond terrace from a point about 225 feet west of Western avenue to Holland avenue, and changing the grade of Richmond terrace between Holland avenue and a point about 100 feet easterly therefrom in the Borough of Richmond, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated June 22, 1915.

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 29th day of July, 1915, at 10 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 for ten days continuously, Sundays and legal holidays excepted, prior to the 29th day of July, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

On Areas of Assessment for Benefit in Condemnation Proceedings.

Borough of Queens.

Archer Street, from Van Wyck Avenue to the Centre Line of Branford Street, and Archer Street from Van Wyck Avenue to Ezra Street (Division Street), Borough of Queens—Acquiring Title (Cal. No. 59).

The Secretary presented the following report of the Chief Engineer:

Report No. 14804. July 3, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on July 1st, 1915, a report was presented from the Committee on Assessments recommending that the proposition for acquiring title to Archer Street from Van Wyck Avenue to Ezra Street, Borough of Queens, which was authorized on June 26, 1914 be separated into two independent proceedings, these to include respectively the sections to the west and east of Branford Street, with the understanding that the former would be advanced at once and that the carrying out of the latter would be deferred until after the former had been consummated. At this time the matter was referred to your Engineer in order that a technical description might be prepared for the district of assessment suggested by the Committee relative to the former proceeding, this to be used as the basis for a public hearing. The description is submitted herewith. In the Committee report it is recommended that the carrying out of the proceeding be conducted by the court without a jury.

I would recommend that the resolution of June 26, 1914, this including a greater length of Archer street than now proposed, be rescinded. I am informally advised by the Assistant Corporation Counsel in charge of the Bureau of Street Openings and by representatives of the Topographical Bureau of the Borough of Queens that no expense has been incurred in advancing this proceeding. Respectfully,

NELSON P. LEWIS, Chief Engineer.

The following resolution was offered:

Resolved, that the Board of Estimate and Apportionment hereby rescinds the resolution adopted by said Board on June 26, 1914, providing for the opening of Archer street from Van Wyck avenue to Ezra street (Division street), Borough of Queens.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

The following was offered:

Whereas, the Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the real property required for the opening and extending of Archer street from Van Wyck avenue to the centre line of Branford street, in the Borough of Queens, City of New York; and

Whereas, the Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the real property required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceedings.

Resolved, that the Board of Estimate and Apportionment, in pursuance of the provisions of section 973 of the Greater New York Charter, as amended, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of Archer Street as this street is laid out where it adjoins Van Wyck Avenue, the said distance being measured at right angles to Archer Street, where it is intersected by a line distant 100 feet westerly from and parallel with the westerly line of Van Wyck Avenue, the said distance being measured at right angles to Van Wyck Avenue, and running thence eastwardly along the said line parallel with Archer Street and along the prolongations of the said line to the intersection with the westerly line of Middletown Street; thence northeastwardly in a straight line to a point on the easterly line of Middletown Street distant 100 feet northerly from the northerly line of Archer Street, the said distance being measured at right angles to Archer Street; thence eastwardly and always distant 100 feet northerly from and parallel with the northerly line of Archer Street, to the intersection with a line distant 100 feet easterly from and parallel with the easterly line of Branford Street, the said distance being measured at right angles to Branford Street; thence southwardly along the said line parallel with Branford Street and along the prolongation of the said line to a point distant 100 feet southerly from the southerly line of Archer Street, the said distance being measured at right angles to Archer Street; thence westwardly and always distant 100 feet southerly from and parallel with the southerly line of Archer Street and the prolongation thereof to the intersection with a line parallel with Van Wyck Avenue and passing through the point of beginning; thence northwardly along the said line parallel with Van Wyck Avenue to the point or place of beginning.

Resolved, that this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on Thursday, the 29th day of July, 1915, at 10 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, that the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD for ten days prior to the 29th day of July, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16

Ashland Street, from Cypress Hills Cemetery to Myrtle Avenue; from Birch Street to Spruce Street, and from North Curtis Avenue to Metropolitan Avenue, Together with the Unacquired Portions of Forest Park, Opposite Nostrand Place and at the Intersection of Myrtle Avenue with Guion Street, Borough of Queens—Enlarging Area of Assessment in the Proceeding for Acquiring Title (Cal. No. 60).

The Secretary presented the following report of the Chief Engineer:

Report No. 14803. July 2, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment, held on January 26, 1911, a proceeding was instituted for acquiring title to Ashland Street from Cypress Hills Cemetery to Myrtle Avenue; from Birch Street to Spruce Street; and from North Curtis Avenue to Metropolitan Avenue, in the Borough of Queens. The street lines were subsequently radically changed in the section between Oxford Avenue and Mrytle Avenue, and on July 11, 1912, the proceeding was correspondingly amended, the modification also including provision for obtaining title to the unacquired portions of Forest Park opposite Nostrand Place and at the intersection of Myrtle Avenue with Guion Street. The oaths of the Commissioners of Estimate and Assessment were filed on January 2, 1913, and the proceeding has been well advanced toward completion.

On February 19th of the current year a report concerning a petition for relief from assessment was placed on the calendar, and on that date the matter was referred to the Committee on Assessments which, on July 1st last, presented a report recommending that the district of assessment originally fixed be enlarged by adding a considerable area on each side.

At the direction of the Board a technical description for the area favored by the Committee is now presented for a public hearing.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The following was offered:

Whereas, The Board of Estimate and Apportionment is considering the advisability of enlarging the area of assessment in the proceeding authorized by said Board under resolutions adopted on January 26, 1911, and July 11, 1912, for acquiring title to Ashland Street, from Cypress Hills Cemetery to Myrtle Avenue; from Birch Street to Spruce Street, and from North Curtis Avenue to Metropolitan Avenue, together with the small unacquired portions of Forest Park, opposite Nostrand Place, and at the intersection of Ashland Street, Myrtle Avenue and Guion Street, Borough of Queens,

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of the Greater New York Charter, as amended, hereby gives notice that the following is the proposed enlarged area of assessment for benefit in this proceeding:

Beginning at a point on the southerly line of Metropolitan Avenue distant 400 feet northerly from the northerly line of Ashland Street, the said distance being measured at right angles to Ashland Street, and running thence northwardly at right angles to Metropolitan Avenue to a point distant 100 feet northerly from its northerly side; thence eastwardly and parallel with Metropolitan Avenue to the intersection with a line at right angles to Metropolitan Avenue and passing through a point on its southerly side where it is intersected by a line distant 100 feet northerly from and parallel with the northerly line of Hillside Avenue, as this street is laid out between North Villa Street and Ambrose Street, the said distance being measured at right angles to Hillside Avenue; thence southwardly along the said line at right angles to Metropolitan Avenue, to the intersection with its southerly side; thence westwardly along the said line parallel with Hillside Avenue and along the prolongation of the said line, to the intersection with a line midway between Hamilton Avenue and Stoothoff Avenue; thence southwardly along the said line midway between Hamilton Avenue and Stoothoff Avenue to a point distant 100 feet northerly from the northerly line of Brandon Avenue; thence westwardly and parallel with Brandon Avenue to the intersection with the easterly line of Oxford Avenue; thence southwardly in a straight line to a point on the westerly line of Oxford Avenue, where it is intersected by a line midway between Brazil Street and Brandon Avenue; thence westwardly along the said line midway between Brazil Street and Brandon Avenue and along the prolongation of the said line to the intersection with the easterly line of Willard Avenue; thence southwestwardly in a straight line to a point on the westerly line of Willard Avenue where it is intersected by a line midway between Elmwood Street and Blackford Street; thence westwardly along the said line midway between Elmwood Street and Blackford Street and along the prolongation of the said line, to the intersection with the easterly line of Yarmouth Street; thence northwestwardly in a straight line to a point on the westerly line of Yarmouth Street, where it is intersected by the prolongation of a line midway between Shipley Place and Windom Street, as these streets are laid out where they adjoin Forest Parkway; thence westwardly along the said line midway between Shipley Place and Windom Street and along the prolongation of the said line, to the intersection with the easterly line of Forest Parkway; thence northwestwardly in a straight line to a point on the westerly line of Forest Parkway, where it is intersected by the prolongation of a line midway between Shipley Place and Farragut Street, as these streets are laid out where they adjoin Leggett Avenue; thence westwardly along the said line midway between Shipley Place and Farragut Street and along the prolongation of the said line, to the intersection with the easterly line of Leggett Avenue; thence northwestwardly in a straight line to a point on the westerly line of Leggett Avenue, where it is intersected by the prolongation of a line midway between Farragut Street and Shipley Street; thence westwardly along the said line midway between Farragut Street and Shipley Street and along the prolongations of the said line, to the intersection with a line distant 100 feet westerly from and parallel with the westerly line of Truant Avenue as this street is laid out between Farragut Street and Shipley Street, the said distance being measured at right angles to Truant Avenue; thence northwardly along the said line parallel with Truant Avenue and along the prolongation of the said line to the intersection with the prolongation of a line distant 400 feet northerly from and parallel with the northerly line of Ashland Street as this street is laid out where it adjoins Truant Avenue, the said distance being measured at right angles to Ashland Street; thence eastwardly and always distant 400 feet northerly from and parallel with the successive tangents in the northerly line of Ashland Street or their prolongations, to the intersection with a line distant 400 feet northerly from and parallel with the northerly line of Myrtle Avenue, the said distance being measured at right angles to Myrtle Avenue; thence eastwardly along the said line parallel with Myrtle Avenue to the intersection with a line parallel with Ashland Street, as this street is laid out between North Vine Street and North Curtis Avenue and passing through the point of beginning; thence eastwardly along the said line parallel with Ashland Street to the point or place of beginning.

Resolved, That this Board consider the proposed enlarged area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on Thursday, the 29th day of July, 1915, at 10 o'clock a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD for ten days prior to the 29th day of July, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

MATTERS LAID OVER FROM PREVIOUS MEETINGS.

Board of Estimate and Apportionment—Suggestions for Economies in Tax Budget (Cal. No. 61).

The Secretary presented a report of the Committee on Tax Budget that the Board of Estimate and Apportionment request the heads of Bureaus, Departments or Offices of the City and County governments to fill no vacancies now existing or occurring during the year 1915 without the approval of the Board of Estimate and Apportionment, except in the uniformed forces of the Departments of Police, Fire and Street Cleaning, positions in the labor class, the custodial forces in penal and correctional institutions and positions involving the actual operation of machinery or mechanical plants where emergency conditions exist.

The report also explains the meaning and operation of Resolution second (c) of the terms and conditions of the Tax Budget for 1915 and recommends the designation of the Committee on Salaries and Grades as the authorized representative of the Board.

(On February 19, 1915 (Cal. No. 23), a report of the Committee on Tax Budget relative to the adoption of a policy for filling vacancies was presented to the Board and referred back to the Committee.)

(On March 12, 19 and 26, 1915 (Cal. No. 73), the matter was laid over for one week.)

The Secretary presented a communication dated March 23, 1915, from the Commissioner of Public Charities referring to the above-mentioned report.

The Commissioner states that in his department they have no surplus of employees and that it will be a hardship if they are not permitted to fill all vacancies occurring, but in the event of a resolution of the general character proposed being adopted it is suggested that Nurses, Doctors and Social Investigators of the Department of Public Charities be excepted from the provisions thereof.

(On April 1, 9, 16, 23 and 30, on May 7, 14, 21 and 28, on June 4, 11, 18 and 25, and on July 1, 1915, the matter was laid over; on the latter date (Cal. No. 118), until this meeting.)

The matter was laid over until July 29, 1915.

Public Service Commission for the First District—Elevated Railroad Structure in Fulton Street, Borough of Brooklyn (Cal. No. 62).

The Secretary presented a report of the Committee on Transit in the matter of the relocation of the elevated tracks on Fulton street, Brooklyn.

(On March 27, 1913, a communication from the Comptroller relative to the removal of the elevated structure from lower Fulton street and relocation on Adams street, Brooklyn, was referred to the Transit Conference Committee, and on January 30, 1914, under a reassignment of matters in committees of the Board, this matter was referred to the Committee on Transit and to the Committee on the City Plan. At subsequent meetings communications from various sources relative to this subject were referred to the Committee on Transit, as was also, on February 26, 1915 (Cal. No. 107), a communication from the Public Service Commission on this subject.)

(On June 18 and 25 and on July 1, 1915, the matter was laid over; on the latter date (Cal. No. 119) until this meeting.)

(At the meeting of July 1, 1915, a communication dated June 28, 1915, was presented from Joseph B. Allee, relative to the President of the Borough of Brooklyn acting on this proposition.)

The Secretary also presented a communication dated June 28, 1915, from Joseph B. Allee, Assistant to the Secretary of the Fulton Street Subway League, submitting petition requesting the substitution of a subway for the proposed third tracking of the elevated railroad on Fulton street, thus obviating the necessity for the relocation of the tracks on Adams street.

Mr. Robert Alfred Shaw and Hon. Arnon L. Squiers appeared in opposition to the elevated structure on Fulton street.

The matter was laid over until July 14, 1915.

President, Borough of Manhattan—Protest Against Encumbrance Yard Under the Manhattan Bridge (Cal. No. 63).

(On June 18, 1915 (Cal. No. 78), a petition of property owners in the vicinity of the Manhattan Bridge, between Madison and Monroe Streets, requesting the Board to reconsider its action in authorizing the use of certain spaces beneath the Bridge for the purpose of a corporation yard, under the jurisdiction of the President of the Borough of Manhattan, was presented to the Board and referred to the Committee on the City Plan.)

(On July 1, 1915 (Cal. No. 141), a report of the Committee on the City Plan recommending denial of the petition was presented to the Board and the matter was laid over until this meeting.)

Mrs. E. Mandel, Messrs. Nicholas F. Walsh, Joseph Levenson, Thomas M. Blake, Jonah J. Goldstein and Mrs. Margaret Ryan appeared in support of the petition.

The Secretary presented a communication dated June 30, 1915, from the East Side Neighborhood Association in opposition to the improvement.

The following report of the Committee on the City Plan was presented:

Board of Estimate and Apportionment, Committee on the City Plan, June 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 18th, 1915, a petition was presented to the Board, signed by certain owners of property in the vicinity of the Manhattan Bridge, between Madison and Monroe Streets, in the Borough of Manhattan, requesting that the Board reconsider its action authorizing the use of certain spaces beneath the bridge for the purposes of a corporation yard, under the jurisdiction of the President of the Borough of Manhattan. The petition was referred to the Committee on the City Plan.

On June 25, 1915, the Committee held a public hearing in this matter. Those property owners and residents of the neighborhood who appeared were unanimous in their objections to the location of a corporation yard within the area proposed. They argued that the presence of the yard would depreciate property values, and that the space to be taken was needed, in any event, for local playground purposes.

It appears that the use of the space in question for the purposes of a corporation yard was approved by the Bridge Department and by this Board in 1912 and 1913. It was then proposed that the present corporation yard at the foot of Rivington Street, upon the East River, be converted into a playground for the relief of one of the most congested sections of the East Side of the City, and that part of the space under Manhattan Bridge, which is much more conveniently located, be used for yard purposes. It appears further that an appropriation of $10,000 was made to cover the cost of the new work, and that a contract has been let for approximately this sum, and that part of the work has actually been done. Its abandonment in this stage would necessarily involve a substantial money loss to the City.

There is no doubt that the continued existence of this area under the Bridge as an open space would be of advantage to the property in the vicinity. The land was, however, purchased by the City for bridge purposes, and the City is, of course, entitled to devote it to whatever use it appears to it most urgent. There is unquestionably need in this vicinity, as there is throughout the entire East Side, for additional playground space. There is, however, at present a playground contiguous to the bridge space at the rear of Public School No. 177, and the space beneath the bridge adjoining this ground is at present used for open play purposes, and can readily be

equipped for playground purposes. The area that these two existing play spaces would give when joined will be several times larger than the space it is proposed to use for yard purposes. In the immediate vicinity of Rivington Street there are at present no parks or playgrounds, although the population of this section is substantially of equal density to that in the vicinity of Manhattan Bridge.

The enclosure of the proposed corporation yard is to be an 8-foot brick fence of ornate design, and calculated to improve the present appearance of the vicinity rather than to injure it.

Your committee believes that in the interest of a more equitable apportionment of present playground spaces, the proposed removal of the corporation yard from the Rivington Street location should be approved, though it also strongly recommends proper provision be made for the improvement and equipment of the spaces to be reserved for playground purposes beneath the bridge. It recommends that the present petition be denied, not only, however, for this reason but (chiefly) for the reason that the work has already been undertaken, and that the Board of Estimate and Apportionment would not be warranted in accepting the very material loss that would follow a cancellation of the contract. Respectfully submitted,

GEORGE McANENY, President, Board of Aldermen, Chairman; MARCUS M. MARKS, President, Borough of Manhattan; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; MAURICE E. CONNOLLY, President, Borough of Queens; SPIRE PITOU, Jr., Acting President, Borough of Richmond; Committee on the City Plan.

The President of the Borough of The Bronx moved that the report be received and the petition filed.

Which was carried by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn and The Bronx and the Acting President of the Borough of Richmond—15.

Negative—The President of the Borough of Queens—1.

Roosevelt Avenue, from Woodside Avenue to Wateredge Avenue; Public Places and Adjoining Areas at Intersecting Streets, Borough of Queens—Relief from Assessment in the Proceeding for Acquiring Title (Cal. No. 64).

(On March 5, 1915 (Cal. No. 66), the report of the Chief Engineer in this matter was presented to the Board and referred back to the Engineer to be withheld until the Court had handed down a decision in the matter of the application which had been made by the property owners for vacating the order under which the Commissioners were appointed.)

(On April 1, 1915 (Cal. No. 54), the matter was laid over until April 16, 1915, on which date (Cal. No. 177) the matter was referred to the Committee on Assessments.)

(On July 1, 1915 (Cal. No. 39), the report of the Committee on Assessments was presented to the Board and the matter was laid over until this meeting.)

The Secretary presented the following reports of the Chief Engineer and of the Committee on Assessments:

Report No. 14516. March 24, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on March 5, 1915, a report was presented concerning petitions presented by the Cord Meyer Company and 79 others for relief from assessment in the matter of the proceeding for acquiring title to Roosevelt avenue, in the Borough of Queens.

At this time the matter was referred back to your Engineer to be withheld until a decision had been rendered by the Court concerning the application for vacating the order under which the Commissioners were appointed. I am now informed by the Assistant Corporation Counsel in charge of the Bureau of Street Openings for the Borough of Queens that the decision has now been handed down by the Court, and that the application of the property owners was denied.

The original report is appended and is again submitted to the Board for consideration. Respectfully, NELSON P. LEWIS, Chief Engineer.

Board of Estimate and Apportionment, Committee on Assessments, June 23, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—At the meeting of the Board of Estimate and Apportionment held on April 16, 1915, there was referred to the Committee on Assessments a petition for relief from the assessment in the proceeding for acquiring title to Roosevelt Avenue, from Woodside Avenue to Wateredge Avenue. This petition had already been made the subject of a report by the Chief Engineer of the Board, from which it appears that the awards for land in private ownership amount to $383,482.20; that the awards for damage to buildings amount to $165,000; and for damage due to change of grade, to $10,451, while interest to January 1, 1915, amounts to about $60,000. The total expenses of the proceeding with an allowance of $70,000 for contingencies amounts to $720,430. While the Commission, acting under the provisions of the Charter, has already placed one-third of the awards for building damage, or $55,000, upon the City at large, it appears from the engineer's report that the assessments on the portions of the street where there was dedication will amount to about $100 for each 25-foot lot, and on the new portions of the street to about $420 for each 25-foot lot. These assessments for a new street, 80 feet in width, on which is to be constructed a rapid transit line, which will place this entire section within easy reach of the heart of the City, do not appear to be excessive, and these frontage assessments may be materially reduced if a suggestion hereinafter made by the Committee is carried out.

Your Committee gave a hearing on May 26, 1915, to the petitioners and others interested in this matter. It was argued that while it is admitted that this street was laid out upon the map of the City at a width of 80 feet before it was selected as a route for one of the lines of the dual transit system, and that it was similar to other streets running in the same direction, the proceedings to acquire title would not have been initiated for some time to come had it not been necessary to secure such title in order to construct the elevated line of the dual transit system, which is now being built. In view of the fact that the proceedings were begun sooner than would otherwise have been necessary, the Board of Estimate and Apportionment should recognize the fact that the need for title to this street is not merely a local need, but that it is a matter of borough and perhaps city wide importance, and that the locality should not be called upon to pay the entire cost. The petitioners were reminded of the fact that the adoption of this rapid transit route was persistently and enthusiastically urged by the people of the Borough of Queens, especially by most of those who are now petitioning for relief; that the result of the establishment of this route and the construction of the line now under way has already enhanced values in this neighborhood and will stimulate its development to a marked degree.

It is true that for a portion of this distance Roosevelt Avenue forms the boundary between two rectangular street systems, in one of which the streets are parallel with and at right angles to Roosevelt Avenue, while on the opposite side they intersect Roosevelt Avenue at acute angles, so that the benefit on this side is not as great as on the other. It happens, however, that along this portion of the street the frontage and the back property are largely in single ownership, so that the hardship which is inseparable from a street layout of this kind when abutting owners have irregular shaped parcels left will not exist in this case.

The area of benefit already fixed extends generally one and a half long blocks, or about 1,100 feet on each side of the street. The next parallel street to the north is Polk Avenue, 75 feet wide; then comes Fillmore Avenue, also 75 feet wide; and then Hayes Avenue, 95 feet wide.

If the area of benefit for the opening of Roosevelt Avenue, which is only 80 feet wide, were extended to the degree urged by the petitioners, it would be only fair to similarly extend the area of benefit in the case of these other avenues, when the owners of the property along Roosevelt Avenue would be obliged to help the property owners along these other streets pay for their opening. The district of assessment as already fixed extends half way between Roosevelt Avenue and Hayes Avenue, and it seems to your Committee that a further extension would involve an injustice to the owners of property who will have their own street opening expenses to pay in the not distant future.

The Committee realizes that the construction of the transit line in Roosevelt Avenue will stimulate to a greater degree than would an ordinary street opening the development of property a block or more distant, and the Committee is of the opinion that the gradation of the assessment from the frontage outward to the limit of the area of benefit might properly be somewhat different in this case than in that of an ordinary street opening.

If, for instance, the proportion of the expenses placed upon the first 100 feet, which is approximately 10 per cent. of the width of the area of benefit, were not to exceed 30 per cent. of the cost, and if the amount of the assessment were decreased in geometrical ratio from this from the frontage to the outer limit of the area of benefit, the burden would be distributed more nearly in accordance with the actual benefit which will result.

The Committee is unable to approve the request of the petitioners that any portion of the expenses of this proceeding should be imposed upon the City at large or the entire Borough of Queens; but it does believe that the petitioners can with justice and propriety urge upon the Commissioners in this proceeding such a distribution of the expense over the district of assessment already fixed as will lighten the burden upon the immediate frontage and will recognize the substantial benefit which will result to the property a block or more distant from the street which is being opened; and the Committee is confident that the Commissioners will appreciate the merits of this argument and will make such an apportionment of the expense.

Respectfully, DOUGLAS MATHEWSON, President, Borough of The Bronx, Chairman; JOHN PURROY MITCHEL, Mayor; ALEX. BROUGH, Deputy and Acting Comptroller; Committee on Assessments.

Mr. R. W. Kellogg appeared in opposition to the report of the Committee on Assessments.

The following resolution was offered:

Resolved, that the Board of Estimate and Apportionment of the City of New York hereby denies the petition, dated September 27, 1914, submitted by the Cord Meyer Company and a number of others, requesting relief from assessment in the proceeding authorized by said Board under resolutions adopted on November 29, 1911, and June 13, 1912, for acquiring title to Roosevelt avenue from 8th street to Trimble place, and from Prime street to the Flushing River as shown on a map bearing the signature of the President of the Borough, and dated April 10, 1912; Louona avenue from Roosevelt avenue to Lake street as shown upon a map bearing the signature of the President of the Borough, dated April 8, 1912, adopted by the Board on June 13, 1912, and approved by the Mayor on the same date; the Public Place bounded by Roosevelt avenue, Elmhurst avenue and Case street; the Public Place at the intersection of Roosevelt avenue with Louona avenue; the triangular area bounded by Roosevelt avenue, the easterly line of Vaux street and Woodside avenue; the triangular area bounded by Roosevelt avenue, the easterly line of Warner avenue and the southerly line of Aske street; Sackett street from Roosevelt avenue to 42nd street, Borough of Queens.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn and The Bronx and the Acting President of the Borough of Richmond—15.

Negative—The President of the Borough of Queens—1.

The Secretary was directed to notify the petitioners relative to the action of the Board.

Department of Docks and Ferries—Issue of Corporate Stock (Cal. No. 65).

(On July 1, 1915 (Cal. No. 143), the report of the Committee on Corporate Stock Budget in this matter was presented to the Board and laid over until this meeting, under Rule 19.)

The Secretary presented a communication, dated June 23, 1915, from the Commissioner of Docks, requesting an issue of corporate stock in the sum of $38,600, for the purpose of constructing a shed on the pier at the foot of West 23rd street, Borough of Manhattan; and the following report of the Committee on Corporate Stock Budget recommending approval of the request:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 23, 1915, the Commissioner of Docks requested $38,600 corporate stock for the construction of a shed on the pier at the foot of West 23d street, Borough of Manhattan.

The Bureau of Contract Supervision reports thereon as follows:

"The request was approved by the Commissioners of the Sinking Fund on June 23, 1915.

"The pier at the foot of West 23d street is 513 feet long by 45 feet in width. This pier has heretofore been used for open wharfage purposes. During the year 1914 the sum of $2,216.47 was collected. Only the northerly side of the pier is available for dockage, the southerly side being occupied by a ferry rack.

"On June 23, 1915, the Commissioners of the Sinking Fund approved of the execution of a lease by the Commissioner of Docks with the American and Cuban Steamship Company, of No. 27 William street, New York.

"The lease provides that the City shall, at its own expense, erect upon said pier a one-story steel shed suitably equipped with modern appurtenances.

"The lease is to be for a term of ten years, commencing from the date that the shed is completed, with privilege of two renewals of ten years each. The rental is at the rate of $16,650 per annum."

In view of the foregoing, we recommend the adoption of the attached resolution, which will authorize $38,600 in corporate stock for the construction of a shed on the pier at the foot of West 23d street, Manhattan. Respectfully,

WM. A. PRENDERGAST, Comptroller; HENRY H. CURRAN, Acting President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 180 of the Greater New York Charter, and the recommendation of the Commissioners of the Sinking Fund by resolution adopted June 23, 1915, hereby authorizes the Comptroller 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-eight thousand six hundred dollars ($38,600), the proceeds thereof to the amount of the par value of the stock to be used by the Department of Docks and Ferries for the construction of a shed on pier at the foot of West 23d Street, Borough of Manhattan; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Commissioner of Docks, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Docks and Ferries—Amendment of Issue of Corporate Stock (Cal. No. 66).

(On July 1, 1915 (Cal. No. 144), the report of the Committee on Corporate Stock Budget in this matter was presented to the Board and laid over until this meeting, under Rule 19.)

The Secretary presented a resolution adopted on June 23, 1915, by the Commissioners of the Sinking Fund amending resolution adopted on May 5, 1915, which authorized an issue of corporate stock in the sum of $638,000, to be used by the Department of Docks and Ferries for the construction of a pier at the foot of 35th street, Borough of Brooklyn, by increasing the amount to $686,000; and the following report of the Committee on Corporate Stock Budget recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 28, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 23, 1915, the Commissioners of the Sinking Fund recommended to your Board that the resolution adopted by your Board on May 5, 1915, which authorized $638,000 in corporate stock to be used by the Department of Docks and Ferries for the construction of a pier at the foot of Thirty-fifth street, Borough of Brooklyn, be amended so as to increase the amount to $686,000.

This request was the subject of a report by the Committee on Corporate Stock Budget to the Commissioners of the Sinking Fund, which read, in part, as follows:

"On June 16, 1915, you referred to the Corporate Stock Budget Committee a communication from the Commissioner of Docks requesting that you recommend an authorization of $48,000 in corporate stock in addition to an existing authorization of $638,000 for the construction of a pier at the foot of Thirty-fifth street, Borough of Brooklyn.

"The Bureau of Contract Supervision reports thereon as follows:

"'On April 23, 1915, your Board recommended to the Board of Estimate and Apportionment the authorization of $638,000 in corporate stock for the construction of a pier at the foot of Thirty-fifth street, Brooklyn. On May 7, 1915, the Board of Estimate and Apportionment approved this recommendation and authorized the issue of $638,000 in stock for the purpose stated.

"'On May 13, 1915, your Board approved authorizing the execution by the Commissioner of Docks, of a lease of the proposed pier to the Luckenbach Steamship Company, at an annual rental of $87,000.

"'The Commissioner states in the present request that the Luckenbach Steamship Company now finds that their business demands a pier 175 feet wide instead of 150 feet wide, as originally proposed.

"'The estimate of the cost of the pier 150 feet wide, not including the shed and other appurtenances, was $292,000. The additional width proposed, it is estimated, will increase the cost $48,000, which will make the estimated cost of the pier, exclusive of the shed, $340,000. The estimated cost of the shed is not increased, as it will not extend over the widened portion of the pier. The total estimated cost of the pier, including the shed, therefore, will be $686,000 instead of $638,000.

"'To compensate the City for the increased expenditure the Luckenbach Steamship Company has agreed with the Commissioner of Docks that the rental for the first ten (10) years shall be at the rate of $100,430.75 instead of $87,000, as fixed in the original agreement.

"'On June 15, 1915, a communication was transmitted to your Board by the Commissioner of Docks requesting that approval be given to an amended lease of the pier to the Luckenbach Steamship Company at the increased rental of $100,430.75.'"

In view of the foregoing we recommend the adoption of the attached resolution granting the request. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, in accordance with the provisions of section 180 of the Greater New York Charter and the recommendation contained in a resolution adopted by the Commissioners of the Sinking Fund on June 23, 1915, the resolution adopted by the Board of Estimate and Apportionment on May 7, 1915, which reads, in part, as follows:

"Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 180 of the Greater New York Charter and the recommendation of the Commissioners of the Sinking Fund by resolution adopted on April 28, 1915, hereby authorizes the Comptroller 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 *six hundred and thirty-eight thousand dollars* ($638,000), the proceeds to the amount of the par value thereof to be used by the Department of Docks and Ferries for the construction of a pier at the foot of Thirty-fifth street, Borough of Brooklyn."

—be and the same is hereby *amended* to make the amount authorized read "*six hundred and eighty-six thousand dollars* ($686,000)."

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Board of Education—Issue of Corporate Stock (Cal. No. 67).

(On June 4, 1915 (Cal. No. 47), the request of the Board of Education in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 1, 1915 (Cal. No. 145), the report of the Committee on Corporate Stock Budget was presented to the Board and laid over until this meeting, under Rule 19.)

The Secretary presented a resolution of the Board of Education, adopted by said Board on May 26, 1915, requesting an issue of corporate stock in the sum of $20,000, for test borings, surveys and drafting supplies incidental to the construction and equipment of new school buildings; and the following report of the Committee on Corporate Stock Budget recommending an issue of corporate stock in the sum of $3,500.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 22, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 4, 1915, you referred to the Corporate Stock Budget Committee a communication from the Board of Education dated May 26, 1915, requesting the issue of $20,000 corporate stock for test borings, surverys and drafting supplies incidental to the construction and equipment of new school buildings.

Funds have recently been authorized by your Board for the construction and equipment of the Manhattan Trade School for Girls, Borough of Manhattan. This is to be a ten-story building and test borings will be needed to determine the nature of the subsoil before the foundations can be designed. It is urgent that this building be proceeded with immediately. The necessary surveys, test borings and drafting supplies, including the printing of specifications, will cost approxmately $1,000.

For the addition to Public School 45, the Bronx, the request for funds to the amount of $150,000 for the construction of the building is now under consideration by your Board. If this amount be granted, as recommended, the sum of $500 is estimated to be necessary for similar work.

There will also be needed funds for drafting supplies and printing of specifications for addition to Public School 3, Manhattan, and for the completion of the work at various school buildings which are under way, estimated at $1,000.

There are in the Board of Education unpaid bills amounting to $790.18 for similar work on several buildings, which was necessary, but for which there were no funds available. For a similar purpose the sum of $20,000 was authorized on March 6, 1913, and an additional $20,000 on June 12, 1913, which are both exhausted. No appropriation has since been made.

The amounts urgently needed by the Board of Education at the present time may be summarized as follows:

Manhattan Trade Schol for Girls	$1,000 00
Addition to Public School 3, Manhattan	500 00
Various buildings (to complete)	1,000 00
To settle unpaid bills	790 18
Total	$3,290 18

The Department of Education has agreed that the sum of $3,500 will be sufficient for immediate requirements.

We recommend the adoption of the attached resolution authorizing $3,500 in corporate stock for the purpose of defraying the cost of surveys, test borings and drafting supplies incidental to the construction and equipment of new school buildings.

Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 169 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding three thousand five hundred dollars ($3,500) to provide means for defraying the cost of surveys, test borings and drafting supplies incidental to the construction of new school buildings, under the jurisdiction of the Department of Education, and 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, maturing not more than fifteen (15) years after date of issue, the proceeds thereof to the amount of the par value of the stock to be applied to the purpose aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of corporate stock herein authorized, nor shall bids upon such contracts be advertised for until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Water Supply, Gas and Electricity—Issue of Corporate Stock (Cal. No. 68).

(On June 18, 1915 (Cal. No. 93), the request of the Commissioner of Water Supply, Gas and Electricity in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 1, 1915 (Cal. No. 149), the report of the Committee on Corporate Stock Budget was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented a communication, dated June 12, 1915, from the Commissioner of Water Supply, Gas and Electricity, requesting a further authorization of $40,000 corporate stock to provide for the compensation of employees in said Department, chargeable to corporate stock funds, to approximately November 1, 1915; and the following report of the Committee on Corporate Stock Budget, recommending approval of the request to the extent of $35,520.60:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 28, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 18, 1915, you referred to the Corporate Stock Budget Committee a request from the Commissioner of Water Supply, Gas and Electricity, dated June 12, 1915, for a further authorization of $40,000 corporate stock to provide for the compensation of employees in his department, chargeable to corporate stock funds, to approximately November 1, 1915. The Bureau of Contract Supervision reports thereon as follows:

"The 1915 budgetary corporate stock allowance for the Department of Water Supply, Gas and Electricity, the amounts already authorized by the Board of Estimate and Apportionment, and the balances, for a portion of which request is now made, are shown in the following table:

Schedule No.	Schedule Title.	Corporate Stock Allowance, 1915.	Amount Already Authorized.	Balance of Allowance.
	Salaries, Regular Employees. Water Supply, Design.			
2159TCW	Tax Levy, Corporate Stock and Water Revenue Force	$28,377 50	$13,419 37	$14,958 13
	Water Supply, Construction.			
2160C	Corporate Stock Force	77,730 00	37,962 50	39,767 50
	Salaries, Temporary Employees. Water Supply, Design.			
2175TCW	Tax Levy, Corporate Stock and Water Revenue Force	4,800 00	4,228 75	571 25
	Wages, Regular Employees. Water Supply, Construction.			
2182C	Corporate Stock Force	8,787 00	4,296 75	4,490 25
	Wages, Temporary Employees. Water Supply, Construction.			
2195C	Corporate Stock Force	12,498 00	8,259 50	4,238 50
		$132,192 50	$68,166 87	$64,025 63

An analysis of the payroll expenditures to date and of the statements of the Commissioner's representative as to the force to be employed after July 1, 1915, shows additional funds required to carry the proposed force to November 1, 1915, as follows:

Code No. of Account.	Estimated Payroll, July 1 to October 31, 1915.	Estimated Balance, July 1, 1915.	Additional Funds Required.
CDW44	$7,691 67	$2,173 19	$5,518 48
CDW44A	24,660 00	1,771 88	22,888 12
CDW44B	712 50	877 91	.....
CDW44C	2,987 00	111 50	2,875 50
CDW44	4,520 00	281 50	4,238 50
	$40,571 17	$5,215 98	$35,520 60

The Commissioner's representative states that available balances in existing funds were not considered in drafting the request for an additional $40,000. The Commissioner has approved the suggested reduction to $35,520.60 in the amount to be authorized for payroll purposes.

Supporting statements furnished by the Commissioner's Engineering Bureau show the condition of all contracts in force on June 1, 1915, contracts already approved by your Board, and funds available for proposed contract work during 1915. The requirements of investigation, design, inspection and engineering supervision, in connection with new construction work now under way or proposed, appear to justify the retention of the proposed force up to November 1, 1915, as planned by the Commissioner."

In view of the foregoing, we recommend the adoption of the attached resolutions approving the request to the extent of $35,520.60, this amount to be apportioned as set forth in the several resolutions. Respectfully,

WILLIAM A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 178 of the Greater New York Charter, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding five thousand five hundred and eighteen dollars and forty-eight cents ($5,518.48), in addition to the amount heretofore authorized, to provide means for the payment by the Department of Water Supply, Gas and Electricity, during the year 1915, of Salaries, Regular Employees, Water Supply, Design, Tax Levy, Corporate Stock and Water Revenue Force, in connection with improving the water supply system, said fund to be disbursed in accordance with the 1915 budget schedule No. 2159TCW; and 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 President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 178 of the Greater New York Charter, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding twenty-two

thousand eight hundred and eighty-eight dollars and twelve cents ($22,888.12), in addition to the amount heretofore authorized, to provide means for the payment by the Department of Water Supply, Gas and Electricity, during the year 1915, of Salaries, Regular Employees, Water Supply, Construction, Corporate Stock Force, in connection with improving the water supply system, said fund to be disbursed in accordance with the 1915 budget, schedule No. 2160C; and 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 President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 178 of the Greater New York Charter, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding two thousand eight hundred and seventy-five dollars and fifty cents ($2,875.50), in addition to the amount heretofore authorized, to provide means for the payment by the Department of Water Supply, Gas and Electricity, during the year 1915, of Wages, Regular Employees, Water Supply, Construction, Corporate Stock Force, in connection with improving the water supply system, said fund to be disbursed in accordance with the 1915 budget schedule No. 2182C; and 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 President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 178 of the Greater New York Charter, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding four thousand two hundred and thirty-eight dollars and fifty cents ($4,238.50), in addition to the amount heretofore authorized, to provide means for the payment by the Department of Water Supply, Gas and Electricity, during the year 1915, of Wages, Temporary Employees, Water Supply, Construction, Corporate Stock Force, in connection with improving the water supply system, said fund to be disbursed in accordance with the 1915 budget schedule No. 2195C; and 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 President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Bronx Parkway Commission—Issue of Corporate Stock (Cal. No. 69).

(On June 18, 1915, (Cal. No. 107), the request of the Bronx Parkway Commission in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 1, 1915, (Cal. No. 150), the report of the Committee on Corporate Stock Budget was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented a communication, dated June 14, 1915, from the Bronx Parkway Commission, requesting an issue of Corporate Stock in the sum of $399,000 to pay the City's share, or three-quarters of the total amount due for land acquired for the Bronx Parkway, together with the expenses of such acquisition; and the following report of the Committee on Corporate Stock Budget recommending approval of the request:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 25, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 14, 1915, the Bronx Parkway Commission, pursuant to the provisions of section 15, chapter 594 of the Laws of 1907, as amended by chapter 757 of the Laws of 1913, requested your Board to authorize an issue of $399,000 in corporate stock to pay the City's share, or three-quarters of the total amount due for land acquired for the Bronx Parkway, together with the expenses of such acquisition, closing as of May 31, 1915.

Subdivision H, section 15, chapter 594 of the Laws of 1907 provides that it shall be the duty of the Board of Estiamte and Apportionment to pay three-quarters of the amount agreed upon by The Bronx Parkway Commission for lands taken and for expenses, in acordance with the provisions of the act.

A detailed list showing the owners, parcels and amounts awarded has been submitted by the Commission.

Interest at six per cent. on the amounts awarded commenced on May 31, 1915, and will continue to the day named by the Commission for vesting title in the City, which day will be set as soon as this request is granted.

We recomend the approval of the attached resolution approving the issue of $399,000 in corporate stock for the purpose stated. Respectfully,

WILLIAM A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of chapter 594 of the Laws of 1907, as amended by chapter 757 of the Laws of 1913, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding three hundred and ninety-nine thousand dollars ($399,000), being the City's share, three-quarters of a total of five hundred and thirty-two thousand dollars ($532,000), to provide means for acquiring lands and interests therein, and defraying expenses incidental thereto, by The Bronx Parkway Commission in connection with preserving the waters of the Bronx River from pollution, 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, maturing not more than fifteen (15) yeas after date of issue, 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 President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Parks, Boroughs of Manhattan and Richmond—Issue of Corporate Stock (Cal. No. 70).

(On May 14, 1915 (Cal. No. 115), the request of the Commissioner of Parks, Borough of Manhattan, in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 1, 1915 (Cal. No. 151), the report of the Committee on Corporate Stock Budget was presented to the Board and laid over until this meeting, under Rule 19.)

The Secretary presented a communication, dated May 7, 1915, from the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting an issue of Corporate Stock in the sum of $15,000, the proceeds whereof to be used for dredging for the reception of material along the outshore of Riverside Drive; and the following report of the Committee on Corporate Stock Budget recommending an issue of Corporate Stock in the sum of $5,200, for the purpose of dredging in the North River:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 26, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 14, 1915, you referred to the Corporate Stock Budget Committee a communication from the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting $15,000 corporate stock, the proceeds to be used for dredging for the reception of material along the outshore of Riverside Drive.

The Bureau of Contract Supervision reports thereon as follows:

"The amount requested, $15,000, is based on the proposed dredging of 90,000 cubic yards at 16 2/3 cents per cubic yard.

"The dredging proposed is to clear away the mud and soft material down to a hard base for the reception of large stones and rubble which is to form a foundation for a river front wall and which will act as a barrier to prevent the filling, which is to be placed behind it from washing into the river.

"A plan submitted by the Department of Parks shows a trench seventy feet wide to be dredged on the bulkhead line established by the Central Park Commissioners in 1868, between West 103d and West 112th streets, and between West 114th and a point north of West 120th street.

"Dredging for a like purpose has heretofore been done by the Department of Docks and Ferries, the cost being paid from a corporate stock fund of $20,000, approved by your Board on July 17, 1911. This fund is now exhausted.

"All of the 'filling in' along the Riverside Park water front has heretofore been placed free of cost to the City and it is the intention of the Commissioner of Parks that the stone for the wall and the filling back of it shall be obtained now in a like manner. It is possible he states that some revenue will be derived for the privilege of dumping.

"There are but two approaches to the North River water front leading to the location of the proposed dredging, one at West 96th street, the other at West 129th street. Filling has been placed from 96th street north to 103d street and south from 129th street to a point about 140 feet north of the south line of West 120th street. The filling in of the water front must necessarily be continuous in a northerly and southerly direction from these two points.

"Upon investigation it is found that the portion between West 112th and West 114th street has already been dredged, but until the space between West 103d and West 112th streets is filled in it will be inaccessible to teams.

"That portion of the water front between West 116th and West 120th streets, in pursuance of chapter 304, Laws of 1906, was set apart for the use of Columbia College for an athletic field and playground.

"The Act provides that no filling in or improving of the said water front shall be done except in accordance with an agreement to be entered into between the trustees of the said college and the Board of Estimate and Apportionment of The City of New York.

"A similar concession with identical conditions with regard to the improvement of the water front between West 114th and West 116th street was made by the legislature, chapter 676, Laws of 1907, to the Robert Fulton Monument Association of The City of New York,

'to be known as the Robert Fulton water gate and for the erection and maintenance of a suitable monument to Robert Fulton.'

"The Laws of 1913, chapter 90, changed the location assigned to the Robert Fulton Monument Association of The City of New York to a new location, as follows:

From fifty feet south of the southerly line of 109th street to fifty feet north of the northerly line of 111th street,

—the conditions with regard to filling in and improving being the same, continuing subject to an agreement to be entered into by the trustees of the Society and the Board of Estimate and Apportionment.

"No agreement has been entered into by either the trustees of Columbia College or the Robert Fulton Monument Association with regard to the improvement of the water front at the locations assigned them, with the Board of Estimate and Apportionment.

"The only space, therefore, that can be filled in at present it appears is from West 103d street to a point 50 feet south of 109th street and a short stretch of 140 feet north of the south line of 120th street.

"The soundings indicate that the quantity to be dredged between 103d and 109th streets will be about 35,000 cubic yards, and north of 120th street about 5,000 cubic yards, a total of about 40,000 cubic yards.

"Chapter 152, Laws of 1894, provides for the improvement of the Riverside Park waterfront and gives the Department of Parks the same powers of control and jurisdiction as it possesses with regard to other parks—

'not extending, however, for actual filling in or improvement beyond the bulkhead line established by the Commissioners of the Central Park.'

"In the Act two parcels are set apart for docks and wharves, one at 79th street and the other at 96th street, these to be under the jurisdiction of the Department of Docks.

"The filling in of the two spaces above described, *i. e.*, 103d to 50 feet south of 109th street and from the southerly line of 120th street to a point 140 feet north will result in making about 5.4 acres of land.

"As before stated, the filling is to be obtained free of cost to the City.

"The Bureau of Contract Supervision is of the opinion that in view of the benefit to be derived by the City in the acquirement of additional land and the improvement of the water front, that the small expenditure for dredging is fully warranted.

"At a recent letting by the Department of Docks and Ferries the low bid price for mud dredging on the North River was thirteen cents per cubic yard. 40,000 cubic yards at thirteen cents would amount to $5,200."

In view of the foregoing, we recommend the adoption of the attached resolution authorizing $5,200 corporate stock for dredging in the North River between West 103d and a point 50 feet south of West 109th streets and from the southerly line of 120th street to a point 140 feet north thereof. Respectfully,

WILLIAM A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding five thousand two hundred dollars ($5,200) to provide means for dredging in the North River between West 103d street and a point 50 feet south of the south line of West 109th street, and from the southerly line of West 120th street to a point one hundred and forty feet north thereof, under the jurisdiction of the Department of Parks, Boroughs of Manhattan and Richmond, and 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; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of corporate stock herein authorized, nor shall bids upon such contracts be advertised for until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Commissioner of Parks, Boroughs of Manhattan and Richmond, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Additional Issue of Corporate Stock (Cal. No. 71).

(On April 30, 1915 (Cal. No. 137), the requisition of the Public Service Commission for the First District in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 1, 1915 (Cal. No. 152), the report of the Committee on Corporate Stock Budget was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented the following requisition of the Public Service Com-

mission for the First District; and report of the Committee on Corporate Stock Budget:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street.

To the Board of Estimate and Apportionment of The City of New York:

On September 19, 1912, your Honorable Board consented to a contract between the City of New York, acting by this Commission, and F. L. Cranford, Inc., for the construction of Section No. 1 of Route No. 5, being a part of the Broadway-Fourth Avenue line described in the contract dated March 19, 1913, between the City of New York, acting by this Commission, and New York Municipal Railway Corporation, and prescribed the limit to the amount of proceeds of corporate stock available for the purposes of said contract of one million two hundred and twenty-two thousand two hundred and sixty-nine and twenty one-hundredths dollars ($1,222,269.20).

For the reason hereinafter stated the sum thus appropriated is not sufficient to meet the requirements of such contract and it is requested that such appropriation be increased by the sum of two hundred and seventy-five thousand two hundred and ninety dollars ($275,290).

This increase in the cost of this section is principally due to the increase in the quantity of underpinning over the estimated quantities given the contract schedule, which increased work is made necessary by the unstable condition of the soil encountered and also is due to increases in quantities of other schedule items and to payments for extra work under Article XII of said contract.

If there is any further information in regard to this matter that is desired by your Honorable Board it will of course be furnished upon request.

The Public Service Commission for the First District, therefore, in accordance with the provisions of the Rapid Transit Act, being chapter 4 of the laws of 1891 as amended, hereby makes 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, in addition to the amounts already authorized to be issued, to provide means to meet the requirements of said contract for the construction of said Section No. 1 of Route No. 5, to wit, the sum of two hundred and seventy-five thousand two hundred and ninety dollars ($275,290).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4 between the City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

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 27th day of April, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

Attest: JAMES B. WALKER, Acting Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 28, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On April 30, 1915, the Public Service Commission for the First District transmitted to your Board resolutions making requisition for an additional allowance of $275,290 for the purpose of more fully carrying out and completing the terms of a contract with F. L. Cranford, Inc., for the construction of Section No. 1 of Route No. 5, a part of the Broadway-Fourth Avenue Line, in Trinity Place and Church Street, from Morris Street to Dey Street, Manhattan, which contract award was originally consented to by your Board on September 19, 1912, in an amount of $1,222,269.20.

The extra amount of $275,290 requested is made up of about $228,000 to be required to pay for items of work beyond the amounts listed as necessary and bid on at the time bids were taken; about $37,000 worth of work not classified at the bid prices and paid for on the basis of cost plus 10 per cent as permitted by Article XII. of the contract, and the balance, or some $10,000, is requested as a contingency account to provide for possible additional allowances.

The reason for the large increase in the contract proper amount, that is, approximately $228,000, is stated to be due, first, to the fact that the original schedule quantities for underpinning buildings were determined on the assumption that it would only be necessary to underpin those buildings of which the foundations, at the building line, were above a one to one slope upward from the lower edge of the structure. On account of the soft nature of the ground encountered, this rule could not be applied in the prosecution of the work, with the result that $185,950 additional funds are now requested for this extra underpinning.

The records of borings along the line of this section, made seven years before the opening of bids, showed that the top stratum of earth was composed entirely of filled ground from ten to twenty feet deep. Below this layer, throughout a considerable portion of the section, there was shown to be an underlying stratum of quicksand. In spite of this information the engineers of the Commission evidently considered all buildings whose foundations fell below the intersection of a one to one slope from the bottom of the subway structure with the building line, as being capable of receiving support from the earth beneath and unnecessary to underpin.

The contractor's bid price for underpinning, as compared with the average of all nine bids for the work, is as follows:

	Price Per Foot of Building Underpinned.	
	Low Bid.	Average of Nine Bids Submitted.
For underpinning buildings less than 7 stories in height.....	$110 00	$109 00
For underpinning buildings from 7 to 12 stories in height....	150 00	167 00
For underpinning buildings over 12 stories in height.....	150 00	248 00

From this comparison it may be reasonably deduced that the successful bid was not unbalanced, and although the next higher bidder submitted $50 per foot as his price for underpinning all the buildings, irrespective of height, his total contract price, based upon the revised estimate of final quantities for the entire contract, would still have been in excess of the lowest bidder.

The second reason for an increase in cost amounting to about $42,000 is due to the construction and restoration of subsurface structures and work incidental thereto. The plea of the Commission in this case is that the location of pipes and ducts and amount of pipes and ducts to be removed could not be determined until they were actually uncovered in the progress of the work, and that any estimate of these quantities made prior to actually uncovering them and studying the changes necessary, could only be an approximation and that such differences are to be expected because there is no way in which they can be avoided.

The $37,000 worth of unclassifiable work is made up of seventeen relatively small items, varying from $300 to $6,000, due to necessary revisions and changes in plans to meet the needs as developed.

The $10,000 requested for miscellaneous items and contingencies appears to be reasonable for a contract of this magnitude.

We recommend the adoption of the attached resolution which will make available the additional amount requested for the completion of this work.

Respectfully, WM. A. PRENDERGAST, Comptroller, GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Whereas, The Board of Estimate and Apportionment on September 19, 1912, consented to the award of a contract, on the requisition of the Public Service Commission for the First District, between the City of New York, acting by the said Commission, and F. L. Cranford, Inc., for the construction of Section No. 1 of Route No. 5, being a part of the Broadway-Fourth Avenue Line, in Manhattan, at an estimated cost of one million, two hundred and twenty-two thousand, two hundred and sixty-nine dollars and twenty cents ($1,222,269.20), and

Whereas, the said Public Service Commission, under date of April 27, 1915, has duly requisitioned the Board for the further amount of two hundred and seventy-five thousand, two hundred and ninety dollars ($275,290), for the purpose of completing the contract and providing for contingencies that may accrue thereunder, therefore, be it

Resolved, That the Board of Estimate and Apportionment hereby *amend* said resolution of September 19, 1912, *by adding thereto the amount of two hundred and seventy-five thousand, two hundred and ninety dollars* ($275,290), and the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to the additional amount of two hundred and seventy-five thousand, two hundred and ninety dollars ($275,290), at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes of the contract with F. L. Cranford, Inc., as mentioned in the requisition of the Public Service Commission, dated April 27, 1915, said issue of corporate stock to be a charge against the appropriation made by the Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purposes of carrying out the terms of Contract No. 4.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Parks, Borough of Brooklyn—Retirement of Jeremiah Morris, Letterer (Cal. No. 72).

The Secretary presented a report of the Committee on Salaries and Grades, in the matter of the request of the Commissioner of Parks, Borough of Brooklyn, for the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of Jeremiah Morris, a Letterer in said Department.

The Committee reports that the Medical Examiner of the Department of Finance has examined Mr. Morris and states that the applicant is both physically and mentally able to perform the duties of his position, and suggests that the request for his retirement be denied.

The Committee recommends that the application of Jeremiah Morris for retirement be denied, as the Board of Estimate and Apportionment is without authority to retire an employee unless he is physically or mentally incapacitated for the further performance of the duties of his position.

(On July 30, 1914 (Cal. No. 390), the above request was referred to the Committee on Salaries and Grades.)

(On May 28, on June 4, 11, 18 and 25 and on July 1, 1915, the matter was laid over; on the latter date (Cal. No. 124) until this meeting.)

The matter was laid over until July 29, 1915.

Coroners, Borough of The Bronx—Issue of Special Revenue Bonds and Modification of Schedule (Cal. No. 73).

(On May 28, 1915 (No. 191F), the resolution of the Board of Aldermen in this matter was referred to the Comptroller.)

(On July 1, 1915 (Cal. No. 183), the report of the Committee on Salaries and Grades was presented to the Board and laid over until this meeting, under Rule 19.)

The Secretary presented a resolution of the Board of Aldermen adopted on May 4, 1915, requesting an issue of Special Revenue Bonds in the sum of $103.70, the proceeds whereof to be used by the Board of Coroners, Borough of The Bronx, to meet a deficiency in the accounts for telephone service in 1914 in the office of the Coroners, Borough of The Bronx; and the following report of the Committee on Salaries and Grades recommending approval of the request and modification of schedule:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, June 24, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 4, 1915, the Board of Aldermen adopted a resolution requesting $103.70 special revenue bonds to meet a deficiency in the accounts for telephone service in 1914 in the office of the Coroners, Borough of The Bronx. The Bureau of Standards reports as follows:

> "The Board of Coroners requested $600 for 1914. $508 was allowed. $618.03 was spent. The total covers regular service and extra calls. Telephone service in an office of this kind is necessarily contingent upon many things and cannot be foretold with absolute accuracy. Expenditures were approximately the same as the sum requested and were about $260 less than the previous year."

In view of the report of the Bureau, the Committee recommends adoption of the attached resolution concurring in the resolution of the Board of Aldermen.

Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen, Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on May 4, 1915, requesting an issue of special revenue bonds in the sum of One hundred and three dollars and seventy cents ($103.70), the proceeds whereof to be used by the Board of Coroners, Borough of The Bronx, for the purpose of meeting a deficiency in telephone service for the year 1914, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, provided no part of the proceeds of said issue shall be used except in accordance with schedules adopted 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 One hundred and three dollars and seventy cents ($103.70), 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 President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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 Board of Coroners, Borough of The Bronx, for the year 1914 as follows:

2950 Communication	**$611 70**
Tax Levy Allowance.....	**$508 00**
Special Revenue Bond Allowance.....	**103 70**
	$611 70

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

District Attorney, Queens County—Establishing Grade of Position of Process Server: Issue of Special Revenue Bonds and Modification of Schedule (Cal. No. 74).

(On March 19, 1915, April 23, 1915, and on June 18, 1915 (Cal. Nos. 135, 119D and 101, respectively), the requests in this matter were referred to the Committee on Salaries and Grades.)

(On July 1, 1915 (Cal. No. 184), the report of the Committee on Salaries and Grades was presented and the matter was laid over until this meeting, under Rule 19.)

The Secretary presented a communication, dated March 12, 1915, from the District Attorney, Queens County, requesting the establishment of the position of Process Server at $3.50 per day; also a resolution of the Board of Aldermen adopted on April 6, 1915, requesting an issue of special revenue bonds in the sum of $600, the proceeds whereof to be used for the purpose of paying emergency Process Servers during 1915; and a communication from the District Attorney, Queens County, dated June 12th, 1915, renewing his request; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, June 23, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On March 12th the District Attorney of Queens County requested

establishment of the position of Process Server at $3.50 per day. On April 6 the Board of Aldermen adopted a resolution requesting $600 special revenue bonds to pay emergency process servers during 1915. Action has been suspended awaiting further facts from the District Attorney. On June 12th both requests were renewed. The Bureau of Standards reports as follows:

"In the estimate for 1915, the District Attorney requested three additional process servers at $1,000 per annum each. It was shown at the hearing that in 1914 about $1,500 had been spent for the employment of emergency process servers at $3.50 per day, in addition to the regular force. The Board allowed one additional process server at $1,000, increasing the regular force to four.

"The present District Attorney found about four hundred unfinished cases. He endeavored to dispose of them. An unusually large number of subpoenas were served. Records show an increase of about 43 per cent. in work of the criminal courts for the first four months of 1915. The volume of work was greater than the regular force of process servers could handle and the district attorney employed temporary help to meet the emergency. Bills incurred for such service already amount to about $1,400. The Budget allowance for Contingencies was $600. The Board of Aldermen has requested $600. It may be necessary later to make a request for a further appropriation.

"Following is a staement of the District Attorney explaining the necessity for the request:

"'I have but four permanent process servers, whose compensation is $1,000 per annum each. But with a territory covering nearly 400 square miles, with two parts of the County Court holding criminal term, with subpoenas to be served for the Grand Juries and Court of Special Sessions and other messenger work to be performed, it has not been possible for these four men to do the work required, and it is therefore necessary from time to time to employ temporary services of other men to do this work. A per diem wage of $3.50 was paid to such temporary men by my predecessor during the years 1913 and 1914, and I have engaged them at the same rate because their services are performed not only during the day but also at night and at long distances from their homes.

"'Vouchers in favor of these men have been filed with the Finance Department, but payment has been withheld awaiting the establishment of the proper schedule line. None of these temporary employees have been paid for services performed during the last five and one-half months. They have been compelled to expend their own money for traveling expenses, and as their bills have not been audited this has been a great hardship to them.'

"The work of a process server falls within grade 2 of tentative specifications for the Messenger Group, with compensation from $840 to $1,200. The rate of $3.50 per day for three hundred days amounts to $1,050 per annum, or $210 more than the minimum rate provided in the specifications. The specifications are based on annual employment. Temporary employment is usually at a higher rate per day because of its uncertainty, and in this case, the employment embraces irregular hours, and is attended by many inconveniences. Giving consideration to all the circumstances, the rate of $3.50 per day is reasonable.

"The district attorney has stated that the employment of the extra process servers was necessary. Section 240 of the County Law makes all necessary expenses of the district attorney a county charge."

In view of the report of the Bureau, the Committee recommends adoption of the attached resolutions. First recommending to the Board of Aldermen establishment of the position of Process Server at $3.50 per day; second, concurring in the resolution of the Board of Aldermen requesting $600 special revenue bonds to pay emergency process servers; third, modifying the schedules Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on April 6, 1915, requesting an issue of special revenue bonds in the sum of six hundred dollars ($600) the proceeds thereof to be used by the District Attorney of Queens County for the purpose of employing emergency process servers during the year 1915, 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 six hundred dollars ($600), 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 President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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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 of grade of position in the office of the District Attorney of Queens County, in addition to those heretofore established, as follows:

Title.	Rate per Diem.	Number of Incumbents.
Process Server	$3 50	Unlimited.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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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 District Attorney of Queens County for the year 1915 as follows:

3536	Wages, Temporary Employees—	
	Interpreter, at $5 per day (80 days)	$400 00
	Process Server, at $3.50 per day	600 00
	Schedule Total	$1,000 00
	Tax Levy Allowance	$400 00
	Special Revenue Bond Allowance	600 00
		$1,000 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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President, Borough of Queens—Issue of Special Revenue Bonds and Modification of Schedule (Cal. No. 75).

(On June 11, 1915 (No. 206), the request of the Acting President of the Borough of Queens in this matter was referred to the Comptroller.)

(On July 1, 1915 (Cal. No. 61), the report of the Comptroller was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented a communication, dated June 10, 1915, from the Acting President of the Borough of Queens, requesting an issue of special revenue bonds, in the sum of $2,238.88, the proceeds thereof to be used for the purpose of replenishing the regular appropriation of the Bureau of Street Cleaning; and the following report of the Comptroller recommending approval of the request and modification of schedule:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 25, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 11, 1915, you referred to me a communication from the Acting President of the Borough of Queens, requesting the issuance of special revenue bonds, pursuant to section 546 of the Charter, in the amount of $2,238.88, for the purpose of replenishing the regular appropriation of the Bureau of Street Cleaning which had been expended to this amount for the removal of snow and ice.

The Bureau of Contract Supervision reports thereon as follows:

"The foregoing request is made in order to provide for the cost of removal and displacement of snow and ice on April 5, 6 and 7. The records of the Bureau of Street Cleaning disclose that 4,747 cubic yards of snow were removed. No record was kept of the amount of snow displaced. The work was performed by the use of horses and carts, teams and trucks, Foremen and Laborers. The cost was expended from the appropriation account No. 718, Transportation, Hire of Horses and Vehicles, with Drivers, no provision having been made in the Budget for the removal of snow and ice. It is for the purpose of reimbursing this account that this request is made."

In view of the foregoing I recommend the adoption of the attached resolution granting the request, and modifying the schedule involved.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, By the Board of Estimate and Apportionment that, pursuant to the provisions of section 546 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue special revenue bonds of The City of New York to the amount of two thousand two hundred and thirty-eight dollars and eighty-eight cents ($2,238.88), redeemable from the tax levy of the year succeeding the year of their issue, the proceeds thereof to be applied to replenishing the appropriation for Account No. 718 for the year 1915, for the office of the President of the Borough of Queens, owing to the expenditures therefrom for emergency removal of snow and ice.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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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 Queens, for the year 1915, as follows:

Contract or Open Order Service, Transportation—Hire of Horses and Vehicles, With Drivers.

718	Street Cleaning—Team and Vehicle, with Driver, at $6 per day (16,373 11-75 days)	$98 238 88
	Tax Levy Allowance	$96 000 00
	Special Revenue Bond Fund Allowance	2,238 88
	Total Allowance	$98.238 88

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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Public Service Commission for the First District—Consent to Proposed Contract with Brooklyn Union Gas Company and Issue of Corporate Stock Therefor (Cal. No. 76).

(On May 14, 1915 (Cal. No. 108), the requisition of the Public Service Commission for the First District in this matter was referred to the Comptroller.)

(On July 1, 1915 (Cal. No. 67), the report of the Comptroller was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented the following requisition of the Public Service Commission for the First District, and report of the Comptroller recommending approval of proposed contract and issue of corporate stock therefor:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York.

To the Board of Estimate and Apportionment of the City of New York:

The Public Service Commission for the First District is transmitting to you for your consent with a communication bearing even date herewith proposed agreement between the Brooklyn Union Gas Company and the Flatbush Gas Company, parties of the first part, and The City of New York, acting by the Commission, party of the second part, providing for the removal of a sixteen-inch high pressure gas main now maintained by said Gas Companies underneath Nostrand avenue between Eastern Parkway and Winthrop street, Brooklyn, and the relocation thereof under Eastern Parkway, Rogers avenue and Winthrop street, such removal and relocation being work incidental to the construction of the Nostrand Avenue Rapid Transit Railroad. By the terms of that agreement the City agrees to construct or cause to be constructed eighteen hundred and seventy-five linear feet of sixteen-inch gas main extending from the intersection of Nostrand avenue and Winthrop street underneath Winthrop street and Rogers avenue. The Public Service Commission for the First District now transmits to you for your consent, as required by law, a proposed contract to be entered into pursuant to the provisions of chapter 540 of the laws of 1913 between the City of New York, acting by the Commission, and the Flatbush Gas Company for the construction by said Flatbush Gas Company of said eighteen hundred and seventy-five linear feet of gas main for the lump sum of seven thousand five hundred dollars ($7,500).

The Public Service Commission for the First District requests your Honorable Board to consent to said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of said contract, to wit, the sum of seven thousand five hundred dollars ($7,500), 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 to meet the City's obligation under said contract, to wit, the sum of seven thousand five hundred dollars ($7,500).

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 meet the entire estimated expense to the City of executing such contract, to wit, the sum of seven thousand five hundred dollars ($7,500).

This requisition is a subrequisition on account of and not in addition to the requsition made by the Public Service Commission for the Frist District under date of March 18, 1913, upon your Honorable Board for twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 3 between the City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

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 the 6th day of May, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 24, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 6, 1915, the Public Service Commission for the First District transmitted for consent of your Board a proposed contract to be entered into with the Flatbush Gas Company for the construction by that company of 1.875 feet of 16-inch gas main, extending from the intersection of Nostrand avenue and Winthrop street along Winthrop street and Rogers avenue, Brooklyn, for the sum of $7,500.

The Commission requested your Board to prescribe the limit of $7,500 to the amount of bonds to be made available to meet the requirements of the contract and to direct the Comptroller to issue bonds to said amount, the same to be charged against the appropriation of $28,200.000 made by this Board on March 18, 1913, for the purpose of carrying out the terms of Contract No. 3.

Since the submission of this contract and the agreement, the Corporation Counsel has had the matter under consideration, and has advised the substitution of an

amended form of each, the contract providing for the doing of the work by the Brooklyn Union Gas Company instead of the Flatbush Gas Company and the location to be from the intersection of Eastern Parkway and Nostrand avenue, along Eastern Parkway and Rogers avenue for the length of 1,875 feet, as originally specified, and also the insertion of a provision that the execution of the agreement shall not be deemed an admission on the part of the City that the Flatbush Gas Company has a valid franchise; or that its position shall in any way be affected by the execution thereof. The changes having been made by the Public Service Commission, the amended papers will be considered in this report.

By entering into this contract, the City carries out its obligations as defined in the agreement separately transmitted for the Board's consent under the same date, which is simultaneously reported on.

The sixteen-inch high pressure gas main, 1,875 feet of which will be removed from Nostrand avenue and replaced on Eastern Parkway and Rogers avenue under this contract, now extends from Eastern Parkway along Nostrand avenue to Winthrop street, a total length of 4,500 feet, and is operated jointly by the Brooklyn Union and Flatbush Gas Companies. It now occupies a location about over the location of the east track of the projected Nostrand Avenue Subway throughout this length.

Had the usual procedure been followed, this pipe would have been made inactive by by-passing the gas through overhead pipes erected on trestle along this route as a part of the subway contract. The cost by this method would have been over $65,000 at the prevailing contract price for such work, and its maintenance, and it would have required the later reconstruction, so far as disturbed, of the present pipe line. The contractor's subway excavation would be further impeded, and its cost increased because of the presence of the pipe line.

As an alternate scheme to this, the Commission considered extinguishing the operation of this high pressure main and compelling the companies to depend on its 30-inch pumping main in New York avenue. This would have required the purchase and installation of pressure governors, piping and the maintenance and restoration of the existing 16-inch main on Nostrand Avenue Subway completion. This scheme would deprive the companies of a reserve main in case of accident, supplying the Brownsville District. The estimated cost of this scheme is over $10,000.

The third alternative is the one adopted by the Commission and to be enforced by the agreement simultaneously submitted to the Board for approval. By this agreement the companies have consented to stand all the cost of constructing and replacing this main with a new main in Rogers avenue, and the City is limited to the extent of the work already outlined in the report on the agreement. The total estimated cost of this work is over $26,000, of which the City is to contribute $7,500 by authorizing the award of this contract, or at a total cost somewhat less, including the part to be included in the Nostrand Avenue Subway, than the cost of the other cheaper alternative.

The method proposed of having this work undertaken by the Brooklyn Union Gas Company is a favorable one for the City, and I recommend approval of the contract submitted.

I recommend the adoption of the attached resolution consenting to the contract award, limiting the amount of bonds available and authorizing and directing the Comptroller to issue the necessary corporate stock.

Respectfully, WM. A. PRENDERGAST, Comptroller.

(The proposed contract referred to in this matter is printed in connection with Calendar No. 78 of this meeting.)

The following resolution was offered:

Resolved, That, pursuant to the provisions 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 May 6, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York and the Brooklyn Union Gas Company for the construction by said Brooklyn Union Gas Company of eighteen hundred and seventy-five (1,875) linear feet of sixteen (16) inch gas main underneath Eastern Parkway and Rogers avenue, in the Borough of Brooklyn, for the sum of seven thousand five hundred dollars ($7,500); and be it further

Resolved, That the Board of Estimate and Apportionment prescribe that the limit to the amount of proceeds of corporate stock available to meet the City's obligation under said contract shall be seven thousand five hundred dollars ($7,500); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to the amount of seven thousand five hundred dollars ($7,500) at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes of the contract with the Brooklyn Union Gas Company as described in this resolution and in the requisition of the Public Service Commission to this Board dated May 6, 1915, as amended at the suggestion of the Corporation Counsel, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of twenty-eight million two hundred thousand dollars ($28,200,000), for the purpose of carrying out the terms of Contract No. 3.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Parks, Borough of Brooklyn—Transfer of Jurisdiction Over Fort Hamilton Parkway and Issue of Special Revenue Bonds (Cal. No. 77).

(On May 28, 1915 (No. 191-I), the resolution of the Board of Aldermen and the communication from the Commissioner of Parks, Borough of Brooklyn, in this matter were referred to the Comptroller.)

(On June 11, 1915 (Cal. No. 85), in connection with this matter, a resolution offered by the President of the Borough of Brooklyn, providing for an issue of $3,750 in special revenue bonds for general maintenance of the Parkway, failed of adoption, not receiving the required number of affirmative votes. Two resolutions carrying out the recommendations in the Comptroller's report also failed of adoption through lack of affirmative votes. The matter was then ordered on the calendar for the meeting of June 18, 1915.)

(On June 18 and July 1, 1915, the matter was laid over; on the latter date (Cal. No. 126) until this meeting.)

The Secretary presented a resolution of the Board of Aldermen adopted on May 4, 1915, requesting an issue of Special Revenue Bonds in the sum of $7,500, the proceeds whereof to be used by the Commissioner of Parks, Borough of Brooklyn, for the general maintenance of Fort Hamilton Parkway; also a communication, dated May 24, 1915, from the Commissioner of Parks, Borough of Brooklyn, in support of the request; and the following report of the Comptroller:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 9, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 28, 1915, the Board of Estimate and Apportionment referred to the Comptroller a request for $7,500 in revenue bonds to be used by the Department of Parks, Borough of Brooklyn, for the purpose of general maintenance of Fort Hamilton Parkway.

Engineers who have examined Fort Hamilton Parkway report that it is not in good condition. The street was originally paved by the Park Department with a waterbound macadam. The surface is rolling and undulating and is unsuited to fast traffic. The pavement is not in a dangerous condition.

Perhaps the most objectionable feature of existing conditions is the dust. The macadam surface has been worn down by years of heavy truck traffic, and it is covered with a thick layer of dust. In dry weather this dust is stirred up by every passing automobile, and it is undoubtedly quite an annoyance to the residents and merchants along the street.

About fifteen blocks of the street, between 75th and 90th Street, is in fairly good condition and could be kept in a good state of repair without extravagant maintenance cost.

The worst section of the street is between Ocean Parkway and 67th Street. In 1914 the Commissioner of Parks requested $231,450.61 to pave the street from Ocean Parkway to 67th Street. In his request the Commissioner stated as follows:

"* * * The roadway is paved with macadam and is adapted only for light traffic. Since the development of Borough Park and Fort Hamilton sections, however, this parkway has been used principally as a business thoroughfare. * * * The heavy business traffic is especially the traffic diverted from Fourth Avenue owing to subway construction."

Investigation made on behalf of the Corporate Stock Budget Committee indicated that the street should be repaved, but it was pointed out before the Committee that the cost of the paving should be borne by assessment on abutting property owners. It was shown that the street was not a parkway, but a business thoroughfare, as stated by the Park Commissioner. Similar thoroughfares in other boroughs have been transferred from the jurisdiction of the Park Commissioner to the jurisdiction of the Borough President. The Committee believe that this street should be transferred to the jurisdiction of the Borough President and that the original permanent pavement should be laid at the expense of the abutting property owners. On December 23rd, 1914, the Board of Estimate and Apportionment adopted a resolution transferring the jurisdiction of Fort Hamilton Parkway to the Borough President. This resolution required the concurrence of the Board of Aldermen to make it effective.

It was referred to the Committee on Roads and Thoroughfares by the Board of Aldermen, and that Committee held a public hearing upon the question of a transfer. There was some opposition on the part of property owners along the thoroughfare. The chief opposition came from the owners of unimproved property. They would have been the main beneficiaries of a good, permanent pavement, but they objected to paying for the pavement.

The Board of Aldermen adopted a report of the Committee recommending that the resolution be placed on file on the ground that the transfer was unnecessary.

If the transfer had gone through, the property owners would have been called upon to do what other property owners all over Brooklyn have been forced to do—that is, to pay for the original permanent pavement on the streets abutting their property.

This matter involves what I believe to be a very important principle. It is my opinion that the property owners of any given section should not be placed in a favored class and thereby escape assessment. It is hardly conceivable that any one would attempt to escape assessment on the theory that this business street is a parkway because it was originally misnamed as such. It is to be regretted that the selfish interests of a limited number of property owners along this thoroughfare have prevented an improvement which would have followed naturally upon the transfer of jurisdiction to the Borough President.

The Board of Aldermen, after filing the resolution of the Board of Estimate, now requests this Board to grant money to put the street in good condition so that the property owners will not be annoyed.

In the opinion of paving engineers, it would be wasteful for the City to attempt to maintain this street year after year. It is reported to me that it would be much more economical to lay a permanent pavement.

The only way to lay a permanent pavement on this street, so long as jurisdiction lies with the Park Commissioner, is to charge the cost against corporate stock, as there can be no assessment levied while this thoroughfare is considered a parkway under the law.

I am informed that the probable cost of putting the present pavement into good condition would be at least $50,000. Even this expenditure would be followed immediately by an uneconomical maintenance cost.

I believe the Park Commissioner realizes that it would be futile to attempt to put the street in good condition with the amount requested. The Commissioner wants to use $2,800 to oil the street. This amount would provide for a single oiling with very light oils, which would rapidly evaporate. Such an oiling would not provide a remedy for more than three months, and would in no way improve the surface of the street. The Commissioner proposes to use $2,000 additional in filling up some of the worst holes in the street along the Greenwood Cemetery.

There seems to be no doubt that the use of revenue bonds in the manner proposed would accomplish no permanent benefit. If the Board of Aldermen had concurred in the resolution transferring jurisdiction, the Borough President could have kept this street in a fair condition until a permanent pavement could be laid.

I recommend that the request of the Board of Aldermen be denied, and that this Board adopt a resolution requesting the Board of Aldermen to reconsider its action on the proposed transfer of jurisdiction. Respectfully,

WM. A. PRENDERGAST, Comptroller.

Mr. William H. Darrow and Hon. Raymond V. Ingersoll, Commissioner of Parks, Borough of Brooklyn, appeared and requested funds to care for Fort Hamilton Parkway.

The President of the Borough of Brooklyn moved that the Board authorize an issue of Special Revenue Bonds to the amount of $3,750.

Which motion failed of adoption, receiving the following vote:

Affirmative—The President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn and Queens and the Acting President of the Borough of Richmond—9.

Negative—The Mayor, the Comptroller and the President of the Borough of The Bronx—7.

Public Service Commission for the First District—Consent to Proposed Agreement with the Brooklyn Union Gas Company and Flatbush Gas Company (Cal. No. 78).

(On May 14, 1915 (Cal. No. 108), the communication from the Public Service Commission for the First District in this matter was referred to the Comptroller.)

(On July 1, 1915 (Cal. No. 195), the report of the Comptroller was presented to the Board and laid over until this meeting.)

The Secretary presented a proposed agreement to be entered into between The City of New York, acting by the Public Service Commission for the First District, and the Brooklyn Union and the Flatbush Gas Companies, providing for the removal of gas mains and relocating the same; the following communication from the Public Service Commission for the First District; and report of the Comptroller recommending approval thereof:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York.

To the Board of Estimate and Apportionment of The City of New York:

The Brooklyn Union Gas Company and the Flatbush Gas Company now maintain a sixteen-inch high-pressure gas main underneath Nostrand Avenue, between Eastern Parkway and Winthrop Street, Brooklyn, which it will be necessary to make provision for in connection with the construction of the rapid transit railroad along Nostrand Avenue. The Public Service Commission for the First District has considered various methods of providing for this main during subway construction and conferences have been held with representatives of the Brooklyn Union Gas Company and the Flatbush Gas Company upon the matter and as a result an arrangement has been reached with the gas companies for removing the gas main from Nostrand Avenue before subway construction therein is begun and for relocating the same under Eastern Parkway, Rogers Avenue and Winthrop Street. The gas companies have offered, if such removal and relocation be carrried out, to construct at their expense a new main under Eastern Parkway and under a portion of Rogers Avenue, provided that the City will construct, or cause to be constructed, eighteen hundred and seventy-five linear feet of the new main extending from the intersection of Nostrand Avenue and Winthrop Street, underneath Winthrop Street and Rogers Avenue to a connection with the main to be constructed by the gas companies under Rogers Avenue. The City, under the proposed arrangement, is also to provide temporary by-passes during subway construction across Nostrand Avenue at Winthrop Street, and across Eastern Parkway at Rogers Avenue, and the gas companies are to supply pipe for laying the mains underground at those points when subway construction is completed and the by-passes are removed. The removal and relocation of the gas main is authorized by the provisions of section 25, subdivision 2 of the Rapid Transit Act. The arrangement proposed seems to the Commission to be to the advantage of the City, and the Commission accordingly transmits herewith for your consent a proposed agreement between the Brooklyn Union Gas Company and the Flatbush Gas Company, parties of the first part, and The City of New York, acting by the Commission, party of the second part, providing for the removal and relocation of said gas main as aforesaid. The Commission requests your Honorable Board to consent to said contract.

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 the 6th day of May, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 24, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 6, 1915, the Public Service Commission for the First District transmitted resolutions requesting the consent of your Board to a proposed agreement to be entered into between the City, acting by the Commission, and the Brooklyn Union and the Flatbush Gas Companies, providing for the removal of a 16-inch high pressure main from Nostrand avenue, between Eastern Parkway and Winthrop street, Brooklyn, to Rogers avenue, within those limits, in preparation for the construction of the Nostrand avenue subway, being Section No. 1 of Route No. 29.

By a separate communication of the same date the Commission has forwarded a form of contract with the Flatbush Gas Company for approval, for the doing of this work at a cost to the City of $7,500.

Since the submission of this agreement and the subsidiary contract, the Corporation Counsel has advised certain changes which have been made by the Commission, and a new agreement and contract have been substituted for those above noted. These will be considered in this report.

The agreement proposed is a favorable one for the City. Were the usual procedure followed in caring for this high pressure main on Nostrand avenue, of having the contractor bid on providing and maintaining an overhead by-pass, the cost to the City would be very much greater than proposed. By this agreement the City will lay or cause to be laid a total of 1,875 feet of 16-inch gas main from Nostrand avenue and Eastern Parkway, through Eastern Parkway to and along Rogers avenue, to connect with what the companies obligate themselves to lay on Rogers avenue and Winthrop street. The companies' portion will extend from this point south along Rogers avenue to Winthrop street, thence to Nostrand avenue, or some 4,200 feet of main.

The agreement provides that the Nostrand avenue subway contract shall require the contractor for this section to "by-pass" for this work a connection with this 16-inch main and the 24-inch main now on Winthrop street, east of Nostrand avenue, and that the City shall do similar work at Eastern Parkway, which latter requirement is now provided for in the contract for Section 2 of Route 12, recently consented to, as to award, by your Board. At each of these "by-pass" points the companies will provide the new pipe for the City to lay permanently when conditions admit. The City further consents to arrange in its contract for the Nostrand avenue line for the contractor to remove the 16-inch pipe to be supplemented by the Rogers avenue line and to deliver it to the companies on the site.

It is further provided that all work must be completed within 60 days, and if this is not accomplished that the subway contractor shall be permitted to remove the Nostrand avenue main with the companies' co-operation.

I recommend the approval of the agreement as submitted and append a resolution giving the Board's concurrence thereto.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Whereas, The Public Service Commission for the First District on May 6, 1915, transmitted for the approval and consent of the Board of Estimate and Apportionment a proposed agreement to be entered into between the Brooklyn Union Gas Company and the Flatbush Gas Company, parties of the first part, and The City of New York, acting by the said Commission, party of the second part, providing for certain changes in the layout of gas mains owned and operated by said companies, where the same conflict with the construction of the proposed Nostrand Avenue subway between Eastern Parkway and Winthrop Street, Borough of Brooklyn; and

Whereas, Said agreement was received by the Board of Estimate and Apportionment at a meeting of said Board held on May 14, 1915; and

Whereas, after consultation between the Corporation Counsel and Counsel for the Commission the agreement was modified so as to save the City's rights with respect to the alleged franchise of the Flatbush Gas Company; and the amended agreement proposed to be entered into with the Brooklyn Union Gas Company and the Flatbush Gas Company and submitted to this Board for approval and consent is as follows:

Agreement made this day of , 1915, between Brooklyn Union Gas Company and Flatbush Gas Company, both domestic corporations (hereinafter called the "Companies"), parties of the first part, and 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 second part.

Whereas, the City, acting by the Commission, pursuant to the provisions of the Rapid Transit Act, being chapter 4 of the Laws of 1891, as amended, has entered or is about to enter into two contracts, one for the construction of a portion of a rapid transit railroad known as Section No. 2 of Route No. 12, extending in part along Eastern Parkway, between Rogers Avenue and Nostrand Avenue, Brooklyn, and the other for the construction of a portion of a rapid transit railroad known as Section No. 1 of Route No. 29, extending in part along Nostrand Avenue, between Eastern Parkway and Winthrop Street, Brooklyn, and the Companies now maintain a sixteen-inch gas main underneath Nostrand Avenue, between Eastern Parkway and Winthrop Street; and

Whereas, for the purpose of the construction or operation of said rapid transit railroad in Nostrand Avenue, the Commission is authorized by the provisions of the Rapid Transit Act to remove or cause to be removed any pipes, sewers, subways or underground conduits or ways underneath any street, highway, park or public place; provided, however, that the same shall be replaced as soon as practicable, either in the same position as before or in a secure and convenient position underneath such street, highway or public place, or underneath such other street, highway or public place as may be approved by the head of the department of public works of the City; and

Whereas, the parties hereto desire, for the purpose of the construction and operation of said rapid transit railroad in Nostrand Avenue, that said sixteen-inch gas main underneath Nostrand Avenue, between Eastern Parkway and Winthrop Street, be removed and that the same be replaced underneath Eastern Parkway, Rogers Avenue and Winthrop Street, as hereinafter provided, and the replacing thereof underneath Eastern Parkway, Rogers Avenue and Winthrop Street has been approved by the President of the Borough of Brooklyn,

Now, therefore, the parties hereto, in consideration of the mutual stipulations hereinafter contained, do hereby mutually agree as follows:

The Companies shall provide and lay a sixteen-inch gas main underneath the roadway of Winthrop Street, from Nostrand Avenue to Rogers Avenue, connecting with the twenty-four-inch gas main now located underneath Winthrop Street, south of the southeast corner of Winthrop Street and Nostrand Avenue, and shall also provide and lay a sixteen-inch gas main underneath Rogers Avenue, from Winthrop Street to a point near Eastern Parkway, at which point said main shall connect with a sixteen-inch gas main to be laid by the City underneath Rogers Avenue and Eastern Parkway, as hereinafter provided.

The City shall construct or cause to be constructed eighteen hundred and seventy-five (1,875) linear feet of sixteen-inch cast iron gas main, extending from the intersection of Nostrand Avenue and Eastern Parkway, underneath Eastern Parkway to Rogers Avenue and thence underneath Rogers Avenue to a connection with said sixteen-inch gas main to be laid by the Companies underneath Rogers Avenue and Winthrop Street. The City shall also require the contractor for the construction of said rapid transit railroad in Eastern Parkway to provide and, during the construction of said railroad, to maintain a sixteen-inch overhead gas by-pass over the excavation of said railroad in Eastern Parkway, connecting with said sixteen-inch main to be laid by the City underneath the north roadway of Eastern Parkway, and with said sixteen-inch gas main to be laid by the City underneath Rogers Avenue, and shall also require said contractor, upon or before the completion of the construction of said railroad in Eastern Parkway, to remove said sixteen-inch overhead gas by-pass at Rogers Avenue and to lay a sixteen-inch gas main underneath Eastern Parkway at Rogers Avenue in place thereof. The City shall also provide in the contract for the construction of said rapid transit railroad in Nostrand Avenue that the contractor for the construction of said railroad shall provide and, during the construction of said railroad, shall maintain a sixteen-inch overhead gas by-pass over the excavation of said railroad in Nostrand Avenue, connecting with said sixteen-inch main to be laid by the Companies underneath Winthrop Street, between Nostrand Avenue and Rogers Avenue, and with the twenty-four-inch main now located underneath Winthrop Street, east of Nostrand Avenue, and upon or before the completion of the construction of said railroad in Nostrand Avenue shall remove said sixteen-inch overhead gas by-pass at Winthrop Street and lay a sixteen-inch gas main underneath Nostrand Avenue at Winthrop Street in place thereof.

The Companies shall, upon the request of the Commission, furnish to the City or its contractor or contractors the necessary sixteen-inch gas pipe to lay said sixteen-inch gas main underneath Eastern Parkway, at Rogers Avenue, when the by-pass at that point is or is to be removed, and shall also furnish to the City or its contractor or contractors the necessary sixteen-inch gas pipe to lay said sixteen-inch gas main underneath Nostrand Avenue at Winthrop Street, when the by-pass at that point is or is to be removed.

The City shall also provide in said contract for the construction of said rapid transit railroad in Nostrand Avenue that said contractor for the construction of said railroad shall remove said sixteen-inch main now maintained by the Companies underneath Nostrand Avenue, from the north roadway of Eastern Parkway to Winthrop Street, and shall deliver the materials of the same to the Companies upon the surface of the street. The Companies agree promptly to remove the materials of said gas main as so delivered and to take them from the site of the work. The Companies further consent and agree that the City or the said contractor for the construction of said rapid transit railroad in Nostrand Avenue may remove said sixteen-inch main now maintained by the Companies underneath Nostrand Avenue, from the north roadway of Eastern Parkway to Winthrop Street, at any time after the expiration of sixty (60) days from the date of the delivery of this agreement, and the Companies shall co-operate with the City or said contractor so as to permit and facilitate the removal thereof.

The Companies shall complete all the work to be performed by them hereunder (except the furnishing of said gas pipe to the City or its contractor or contractors necessary for laying sixteen-inch gas mains underneath Eastern Parkway, at Rogers Avenue, and underneath Nostrand Avenue, at Winthrop Street, in place of the temporary by-passes at those points) within sixty (60) days after the date of the delivery of this agreement, and shall perform, provide and furnish all work and materials to be performed or provided by them hereunder, together with all incidental work, labor and material, at their own expense and without cost to the City, and shall procure at their own expense and without cost to the City all necessary permits and authorizations therefor. Nothing herein contained shall be construed as giving any permit or authority to the Companies, or either of them, to perform such work or to open streets for that purpose, and this agreement shall not be in anywise construed as an admission of any franchise right existing in the Companies or as giving the Companies any greater right in the new streets in which the said gas pipes are to be laid than the Companies may have had in the old streets from which their pipes are to be removed.

No member of the Commission shall be liable personally under or by reason of this agreement or any of its provisions.

The stipulations herein made by the Companies shall be jointly and severally binding upon the Companies and their successors and assigns.

In witness whereof the Public Service Commission for the First District, acting for and on behalf of The City of New York, has caused its official seal to be hereto affixed and attested by its Secretary and these presents to be signed by its Chairman, and Brooklyn Union Gas Company and Flatbush Gas 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 vice-presidents, the day and year first above written.

THE CITY OF NEW YORK, by the Public Service Commission for the First District, by ....., Chairman.

Attest: ....., Secretary.

BROOKLYN UNION GAS COMPANY, by ....., Vice-President.

Attest: ....., Secretary.

FLATBUSH GAS COMPANY, by ....., Vice-President.

Attest: ....., Secretary.

—now, therefore, be it

Resolved, That the Board of Estimate and Apportionment, by a majority vote, according to the number of votes by law pertaining to each member of the Board, hereby approves and consents to the proposed agreement as herein contained, *provided*, however, that the revision of such agreement is approved by the Public Service Commission for the First District.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Consent to Proposed Contract with the Interborough Rapid Transit Company and Newman & Carey for the Construction of That Portion of the Eastern Parkway Rapid Transit Railroad, Known as Section No. 1 of Route No. 29, and Issue of Corporate Stock Therefor (Cal. No. 79).

(On July 1, 1915 (Cal. No. 196), the report of the Comptroller was presented to the Board and the matter was laid over until this meeting, under Rule 19.)

The Secretary presented the following communication from the Public Service Commission for the First District and report of the Comptroller recommending approval of the request:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, June 23, 1915.

To the Board of Estimate and Apportionment of The City of New York:

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, Interborough Rapid Transit Company and Henry Newman and James L. Carey, co-partners under the firm name of Newman & Carey, for the construction of Section No. 1 of Route No. 29, being that part of the proposed Eastern Parkway Rapid Transit Railroad beginning at a point under Eastern Parkway in the Borough of Brooklyn about one hundred and ninety-two (192) feet west of the westerly building line of Nostrand Avenue, curving thence southerly under Eastern Parkway and private property into Nostrand Avenue and extending thence southerly under Nostrand Avenue to a point about two hundred and twenty (220) feet south of the southerly building line of Church Avenue.

The Public Service Commission for the First District requests your Honorable Board to consent to said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the City's obligation under said contract, to wit, the sum of one hundred and three thousand six hundred and sixty-five and sixteen one-hundredths dollars ($103,665.16), 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 to meet the City's share of executing said contract, to wit, the sum of one hundred and three thousand six hundred and sixty-five and sixteen one-hundredths dollars ($103,665.16).

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 to the City of executing such contract, to wit, the sum of one hundred and three thousand six hundred and sixty-five and sixteen one-hundredths dollars ($103,665.16).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board for twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 3 between The City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company for additional rapid transit railroads and the appropriation made thereunder by your Honorable Board on March 18, 1913.

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 18th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

RAPID TRANSIT RAILROAD—CONTRACT.

Route No. 29, Section No 1.

Agreement made this day of June, 1915, 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, Interborough Rapid Transit Company, a corporation organized and existing under the laws of the State of New York, hereinafter called the Interborough Company, party of the second part, and Henry Newman and James L. Carey, co-partners under the firm name and style of Newman and Carey hereinafter called the Contractor, parties of the third part.

Whereas on or about the 19th day of March, 1913, the City, acting by the Commission, entered into a contract with the Interborough Company for the equipment, maintenance and operation of certain additional rapid transit railroads or extensions of the rapid transit railroads now operated by the Interborough Company under lease from the City therein specifically described, including the Railroad to be constructed hereunder, and as one of the terms and conditions of such contract the Interborough Company agreed to contribute toward the cost of construction of such railroads and to disburse part of its said contribution through the medium of construction contracts to which it should be a party for the purpose of making such disbursement; and

Whereas, the Commission 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 submitted to the Commission a proposal, which has been accepted; and

Whereas, the Board of Estimate and Apportionment of the City 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, the Interborough Company for itself, its successors and assigns, and the Contractor for themselves, jointly and severally and their and each of their executors, administrators and assigns,

Agree with one another as follows:

CHAPTER I.

General Provisions and Definitions.

Article I. The Contractor agrees to construct the part hereinafter described of a Rapid Transit Railroad, with its appurtenances. The City and the Interborough Company agree 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.

Article II. The Railroad to be constructed under this contract forms part of a certain route adopted by the Commission on March 3, 1911, which is known as the Nostrand Avenue Route or Route No. 29. The part to be constructed under this contract consists of

Section No. 1.

Beginning at a point under Eastern Parkway, in the Borough of Brooklyn, about one hundred and ninety-two (192) feet west of the westerly building line of Nostrand Avenue, curving thence southerly under Eastern Parkway and private property into Nostrand Avenue and extending thence southerly under Nostrand Avenue to a point about two hundred and twenty (220) feet south of the southerly building line of Church Avenue.

The location of the tracks and the dimensions and other characteristics of the Railroad are given in the specifications forming a part of this contract and in the contract drawings hereinafter mentioned.

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.

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:

(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.

(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.

(3) The words "Interborough Company" to mean Interborough Rapid Transit Company, party of the second part to this contract, and its successors and assigns.

(4) The word "Contractor" to mean the parties of the third part to this contract, and their 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 part of the third part to perform any obligations under this contract assumed by the said part of the third 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 "she," "it" and "they"; the word "him" shall include "her," "it" and "them"; and the word "his" shall include "her," "its" and "their."

(5) The word "Comptroller" to mean the Comptroller of the City and the officer or board to whom or to which his powers now existing under the Rapid Transit Act shall come to appertain.

(6) 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.

(7) The word "Inspector" to mean any representative of the Engineer designated by him to act as inspector.

(8) The words "Rapid Transit Act" to mean chapter 4 of the laws of 1891, as amended by chapters 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, chapters 429 and 534 of the laws of 1907, chapter 472 of the laws of 1908, chapter 498 of the laws of 1909, chapters 205, 504, 505 and 506 of the laws of 1910, chapter 888 of the laws of 1911, chapter 226 of the laws of 1912 and chapters 100, 510, 524 and 540 of the laws of 1913 and chapter 118 of the laws of 1914, or as heretofore otherwise amended.

(9) The word "Railroad" to mean the part of a Rapid Transit Railroad which the Contractor agrees by this contract to build, together with all appurtenances thereto which are to be constructed or provided by the Contractor.

(10) The words "the Works" to mean all the matters and things herein agreed to be furnished or done by or on the part of the Contractor.

(11) The words "New York" to mean the City of New York according to its boundaries at the date of this contract.

(12) The words "daily newspaper" to mean any paper regularly published in New York on every day or every day except Sundays and holidays.

(13) The word "notice" to mean a written notice.

(14) The words "directed," "required," "permitted," "ordered," "designated," "prescribed" or words of like import used in the specifications or upon the drawings to mean, respectively, the direction, requirement, permission, order, designation or prescription of the Engineer, and similarly the words "approved," "acceptable," "satisfactory" or words of like import to mean, respectively, approved by, or acceptable or satisfactory to, the Engineer.

(15) The word "ton" to mean the short ton of two thousand (2,000) pounds.

Article VI. The Contractor hereby designates Room No. on the floor of the building No. in the Borough of in the City of New York, as the place where all notices, directions and other communications to the Contractor may be served, mailed or delivered. The delivering at the aforesaid place or depositing in a post-paid wrapper directed to the aforesaid place in any post office box regularly maintained by Post Office Department of any notice, letter or other communication to the Contractor shall be deemed to be sufficient service thereof upon the Contractor as of the date of such delivery or deposit. 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, or if the Contractor be a corporation, upon any officer or director thereof.

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 and materials furnished by the sub-contractor shall be subject to the provisions hereof as if furnished directly by the Contractor.

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.

CHAPTER II.

Work to Be Done, Prices, Etc.

Article IX. The Contractor shall furnish all the labor and materials, plant, power, tools, supplies and other means of construction necessary or proper for constructing and completing the Railroad and performing all the work which the Contractor agrees by this contract to perform 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 and roadway pavement or other surface material, and to protect, support and maintain all buildings and other structures, including their foundations, and all surface railroads, water mains, gas pipes, electric subways, poles and wires, vaults, including vaults of abutting property, and other surface, subsurface and overhead structures with their connections as the same may be met 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, vaults, including vaults of abutting property, and other surface, subsurface and overhead structures with their 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 and other surfaces and of all surface, subsurface and overhead structures and of all abutting property and buildings which may have been directly or indirectly affected, disturbed or injured by the Contractor in the progress of the work of construction to as useful, safe, durable and good a condition as existed before construction was begun. All such work of every description including underpinning or the maintaining, protecting and securing wherever necessary of all buildings and structures of whatsoever nature and surface 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 and the Interborough Company will pay in the respective proportions and amounts and in the manner hereinafter provided, and the Contractor shall receive, in full compensation for constructing and completing the Railroad (including all incidental work) and for performing and completing the Works and for all expense in connection therewith or incidental thereto, including the furnishing of all labor, materials, plant, power, tools, supplies and other means of construction and including administration, superintendence and insurance, and 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 prices contained in the Schedule of Unit Prices following. It is specifically understood and agreed, however, that the Interborough Company is a party to this contract solely for the purpose of making its contribution toward the cost of construction of the Railroad, as provided in the said contract dated March 19, 1913, and its sole obligation under this contract is to make the payments in the manner and to the amount hereinafter provided.

Schedule of Unit Prices.

Item 1. For earth excavation above mean high water (except excavation for sewers, pipes and ducts), including the disposal of it, etc., the sum of two dollars and twelve cents ($2.12) per cubic yard.

Item 2-A. For earth excavation, both above and below mean high water, for sewers, pipes and ducts other than street railroad ducts, including the disposal of it, etc., the sum of one dollar and seventeen cents ($1.17) per cubic yard.

Item 4. For underpinning buildings, including all incidental work, labor and material, per lineal front foot of building underpinned, as follows:

(a) For buildings less than seven (7) stories in height, the sum of twenty-nine dollars ($29) per front foot.

Item 4-E. For maintaining, protecting and securing buildings, including all incidental work, labor and material, the sum of fourteen dollars and fifty cents ($14.50) per lineal front foot of building maintained, protected and secured.

Item 6. For concrete masonry, in place, the sum of seven dollars ($7) per cubic yard.

Item 7. For protective concrete masonry, in place, outside of waterproofing, the sum of five dollars and fifty cents ($5.50) per cubic yard.

Item 8. For rubble stone masonry, in place, the sum of ten dollars ($10) per cubic yard.

Item 8-A. For dry rubble masonry, in place, the sum of ten dollars ($10) per cubic yard.

Item 9. For brick masonry, in place, the sum of twenty dollars ($20) per cubic yard.

Item 9-A. For vitrified brick masonry, in place, the sum of forty dollars ($40) per cubic yard.

Item 10. For hollow terra cotta brick or tile masonry of any thickness, in place, the sum of fifteen dollars ($15) per cubic yard.

Item 11. For grout of Portland cement, the sum of two dollars and forty cents ($2.40) per barrel of Portland cement used.

Item 12. For timber piles, in place and prepared, the sum of sixty cents ($0.60) per lineal foot.

Item 13. For timber foundations, placed and fastened, the sum of fifty dollars ($50) per thousand feet, board measure.

Item 14. For broken stone or gravel, in place, other than that used in concrete, the sum of three dollars ($3) per cubic yard.

Item 15. For waterproofing, treated woven fabric (except dry-ply), laid with coal-tar pitch or asphalt, in place, as follows:

(a) For one-ply, the sum of thirty-six cents ($0.36) per square yard.

(b) For two-ply, the sum of seventy-five cents ($0.75) per square yard.

(c) For three-ply the sum of ninety-five cents ($0.95) per square yard.

(d) For four-ply, the sum of one dollar and twenty-five cents ($1.25) per square yard.

(e) For five-ply, the sum of one dollar and fifty cents ($1.50) per square yard.

(f) For six-ply, the sum of one dollar and eighty-five cents ($1.85) per square yard.

(i) For dry-ply, the sum of twenty cents ($0.20) per square yard.

Item 16. For waterproofing, brick laid in asphalt mastic, in place, the sum of twenty-three dollars ($23) 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 fifty cents ($0.50) per lineal foot.

(b) For ten (10) inch vitrified pipe, the sum of fifty cents ($0.50) per lineal foot.

(c) For eight (8) inch vitrified pipe, the sum of forty cents ($0.40) per lineal foot.

(d) For six (6) inch vitrified pipe, the sum of forty cents ($0.40) per lineal foot.

(e) For four (4) inch vitrified pipe, the sum of thirty cents ($0.30) per lineal foot.

(g) For six (6) inch cast-iron pipe, the sum of one dollar ($1) per lineal foot.

(h) For four (4) inch cast-iron pipe, the sum of eighty cents ($0.80) per lineal foot.

(i) For ten (10) inch cast-iron pipe, the sum of one dollar and eighty cents ($1.80) per lineal foot.

Item 17-A. For cast-iron pipe and fittings, including specials, "extra heavy," in place, as follows:

(a) For three (3) inch, the sum of sixty cents ($0.60) per lineal foot.

(b) For four (4) inch, the sum of eighty cents ($0.80) per lineal foot.

(c) For six (6) inch, the sum of one dollar and twenty cents ($1.20) per lineal foot.

(d) For eight (8) inch, the sum of one dollar and forty cents ($1.40) per lineal foot.

Item 18. For Tunnel ducts, in place, as required by section No. 407, the sum of eleven cents ($0.11) per duct foot.

Item 18-A. For Railroad ducts, in place, as required by section No. 407, the sum of twenty-two cents ($0.22) per duct foot.

Item 19. For riveted steel, painted and erected, the sum of sixty dollars ($60) per ton.

Item 20. For steel beams and shapes with or without connections, painted and erected, the sum of forty dollars and seventy-five cents ($40.75) per ton.

Item 21. For steel rods and bars built in concrete, the sum of forty-three dollars ($43) per ton.

Item 25. For miscellaneous iron castings such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes, in place, the sum of seventy-five dollars ($75) per ton.

Item 25-C. For miscellaneous iron furnishings for sewer manholes and basins, both cast and wrought, such as manhole and basin heads, covers, inlet gratings or bars, manhole steps, etc., but not including pipe, in place, the sum of seventy-five dollars ($75) per ton.

Item 26. For special wire forms, in place, the sum of one dollar ($1) per pound.

Item 27-B. For one and three-fourths (1¾) inch seasoned oak or ash hand-rail, in place, including finishing, oiling and connections, the sum of thirty cents ($0.30) per lineal foot of rail.

Item 28. For steel gratings, for ventilation, in place, including frames, etc., the sum of one dollar and seventy cents ($1.70) per square foot.

Item 29. For vault lights, in place, the sum of one dollar and thirty cents ($1.30) per square foot.

Item 30. For street surface restored, as follows:

(a) Within curb lines, including curbs and all structures and growths therein or thereon, the sum of three dollars ($3) per square yard.

(e) For repavement of roadways between curb lines with Asphalt pavement, the sum of two dollars and fifty cents ($2.50) per square yard.

(f) For repavement of roadways between curb lines with Granite Block pavement, the sum of seventy-five cents ($0.75) per square yard.

(ff) For repavement of roadways between curb lines with Belgian Block pavement, the sum of forty cents ($0.40) per square yard.

(i) For new bluestone curb, in place, including all incidental work, labor and material, the sum of one dollar and fifty cents ($1.50) per lineal foot.

(k) For new eight (8) inch granite curb, in place, including all incidental work, labor and material, the sum of two dollars and fifty cents ($2.50) per lineal foot.

Item 31. For park surface restored (all classes), the sum of two dollars ($2) per square yard.

Item 32. For wrought-iron electric conduits, in place, in stations, as follows:

(a) For three-fourths (¾) inch wrought-iron conduits, the sum of nineteen cents ($0.19) per lineal foot.

(b) For one and one-half (1½) inch wrough-iron conduits, the sum of thirty cents ($0.30) per lineal foot.

(c) For two (2) inch wrought-iron conduits, the sum of forty-five cents ($0.45) per lineal foot.

(d) For one (1) inch wrough-iron conduits, the sum of twenty-five cents ($0.25) per lineal foot.

Item 33. For cast-iron outlet boxes, in place, in stations, the sum of one dollar ($1) each.

Item 33-A. For cast-iron pull boxes, in place, in stations, the sum of one dollar and twelve cents ($1.12) 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 dollar and twenty cents ($1.20) per lineal foot.

(b) For three (3) inch, the sum of sixty cents ($0.60) per lineal foot.

Sewers.

Vitrified and Cast-iron Pipe.

Item 37. For twelve (12) inch vitrified pipe sewer, the sum of fifty cents ($0.50) per lineal foot.

Item 38. For fifteen (15) inch vitrified pipe sewer, the sum of eighty-five cents ($0.85) per ilneal foot.

Item 39. For eighteen (18) inch vitrified pipe sewer, the sum of one dollar and forty cents ($1.40) per lineal foot.

Item 40. For twenty (20) inch vitrified pipe sewer, the sum of one dollar and seventy-five cents ($1.75) per lineal foot.

Item 40-A. For twenty-two (22) inch vitrified pipe sewer, the sum of two dollars ($2) per lineal foot.

Item 41. For twenty-four (24) inch vitrified pipe sewer, the sum of two dollars ($2) per lineal foot.

Item 42. For cast-iron sewer pipe (straight pipe) in place in the work, the sum of fifty dollars ($50) per ton.

Item 43. For cast-iron sewer pipe (special castings) in place in the work, the sum of one hundred dollars ($100) per ton.

Egg-shaped Brick or Concrete Sewers.

Item 45. For 3 feet 6 inches by 2 feet 4 inches, the sum of three dollars and sixty cents ($3.60) per lineal foot.

Item 46. For 3 feet 9 inches by 2 feet 6 inches, the sum of four dollars ($4) per lineal foot.

Item 49. For 4 feet 6 inches by 3 feet, the sum of six dollars ($6) per lineal foot.

Circular Sewers—Brick or Concrete or Reinforced Concrete.

Item 53. For 4 feet, the sum of five dollars ($5) per lineal foot.

Item 55. For 4 feet 9 inches, the sum of seven dollars and thirty cents ($7.30) per lineal foot.

Item 56. For 5 feet, the sum of eight dollars ($8) per lineal foot.

Item 56-A. For 5 feet 3 inches, the sum of eight dollars and twenty-five cents ($8.25) per lineal foot.

Item 57. For 5 feet 6 inches, the sum of nine dollars ($9) per lineal foot.

Item 74-H. For 12 inch standard iron bronze mounted self contained type circular sluice gates with spigots, in place in the work, the sum of seventy-five dollars ($75) each.

Surface, Subsurface and Overhead Structures.

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:

(c) For electric (overhead trolley) railroads, the sum of two dollars and thirty cents ($2.30) per lineal foot of single track.

Pipes in Streets—For Work and Materials as Called for by the Specifications.

Water Pipes.

For water pipes, including all appurtenances, in place, as follows:

Item 78. For 4-inch water pipe, the sum of thirty-five cents ($0.35) per lineal foot.

Item 79. For 6-inch water pipe, the sum of thirty-five cents ($0.35) per lineal foot.

Item 80. For 8-inch water pipe, the sum of fifty cents ($0.50) per lineal foot.

Item 82. For 12-inch water pipe, the sum of sixty cents ($0.60) per lineal foot

Item 83. For 16-inch water pipe, the sum of eighty-five cents ($0.85) per lineal foot.

Item 84. For 20-inch water pipe, the sum of one dollar and twenty cents ($1.20) per lineal foot.

Item 88. For 48-inch water pipe, the sum of five dollars and fifty cents ($5.50) per lineal foot.

Item 88-A. For service connections for water pipes, all sizes, the sum of twelve dollars ($12) each.

Gas Pipes.

For cast-iron gas pipes, including all appurtenances, in place, as follows:

Item 89. For 3-inch gas pipe, the sum of thirty-five cents ($0.35) per lineal foot.

Item 90. For 4-inch gas pipe, the sum of thirty-five cents ($0.35) per lineal foot.

Item 91. For 6-inch gas pipe, the sum of thirty-five cents ($0.35) per lineal foot.

Item 92. For 8-inch gas pipe, the sum of fifty cents ($0.50 per lineal foot

Item 93. For 10-inch gas pipe, the sum of sixty cents ($0.60) per lineal foot.

Item 94. For 12-inch gas pipe, the sum of seventy-five cents ($0.75) per lineal foot.

Item 95. For 16-inch gas pipe, the sum of ninety cents ($0.90) per lineal foot.

Item 95-B. For 42-inch gas pipe, the sum of four dollars and fifty cents ($4.50) per lineal foot.

Item 96. For 20-inch gas pipe, the sum of one dollar and twenty-five cents ($1.25) per lineal foot.

Item 97. For 24-inch gas pipe, the sum of one dollar and fifty cents ($1.50) per lineal foot.

Item 99-A. For wrough-iron by-passing pipes upon or below the street surface in place, as follows:

(a) For six (6) inch pipe, the sum of one dollar ($1) per lineal foot.

(b) For 8-inch by-passing pipe, the sum of one dollar and forty cents ($1.40) per lineal foot.

(d) For 12-inch by-passing pipe, the sum of two dollars and fifty cents ($2.50) per lineal foot.

(h) For four (4) inch pipe, the sum of eighty-five cents ($0.85) per lineai foot.

Item 99-B. For wrought-iron by-passing pipes above the street surface, on trestle, in place, as follows:

(a) For 12-inch wrought-iron by-passing pipe, the sum of three dollars and fifty cents ($3.50) per lineal foot.

(b) For 16-inch by-passing pipe, the sum of fourteen dollars and fifty cents ($14.50) per lineal foot.

(f) For 6-inch wrought-iron by-passing pipe, the sum of one dollar and ten cents ($1.10) per lineal foot

(ff) For 36-inch wrought-iron by-passing pipe, the sum of fourteen dollars and fifty cents ($14.50) per lineal foot.

(g) For 8-inch by-passing pipe, the sum of one dollar and forty cents ($1.40) per lineal foot.

(h) For trestle to support by-passing pipes, in place in the work, the sum of two dollars and forty-cents ($2.40) per lineal foot of trestle.

(i) For cable suspension to support by-passing pipes over 16 inches in diameter, in place in the work, the sum of seven dollars and fifty cents ($7.50) per lineal foot of cable suspension.

(j) For cable suspension to support by-passing pipes, 16 inches or under in diameter, in place in the work, the sum of four dollars and seventy-five cents ($4.75) per lineal foot of cable suspension.

Item 99-D. For service connections for gas pipes, all sizes, the sum of six dollars and twenty-five cents ($6.25) each.

Item 99-E. For maintaining and supporting in place the 16-inch gas main in Nostrand Avenue between Eastern Parkway and Winthrop Street, with its appurtenances, the sum of twenty-three thousand dollars ($23.000).

New Water and Gas Pipe.

Item 100. For new cast-iron hub and spigot straight pipe actually used, as measured in place in the work, the sum of thirty-four dollars ($34) per ton.

Item 101. For new cast-iron hub and spigot pipe, special castings, actually used, as measured in place in the work, the sum of eighty dollars ($80) per ton.

Ducts Found in Streets.

Electric Ducts and Conduits in Streets.

[Other than street railroad ducts, which are provided for in Schedule Item 75.]

Item 127. For electric ducts and conduits in place, as provided in Section No. 62, the sum of forty cents ($0.40) per duct foot.

Item 127-A. For wrought-iron pipe electric ducts and conduits, in place, as provided in Section No 62, as follows:

(a) For 2½-inch wrought-iron pipe, the sum of thirty-five cents ($0.35) per lineal foot.

(b) For 3-inch wrought-iron pipe, the sum of forty cents ($0.40) per lineal foot.

(c) For 3½-inch wrought-iron pipe, the sum of fifty cents ($0.50) per lineal foot.

(d) For 4-inch wrought-iron pipe, the sum of sixty cents ($0.60) per lineal foot.

(e) For 4½-inch wrought-iron pipe, the sum of eighty cents ($0.80) per lineal foot.

(f) For 2-inch Edison conduit, the sum of thirty-five cents ($0.35) per lineal foot.

(g) For 2½-inch Edison conduit, the sum of forty cents ($0.40) per lineal foot.

(h) For 3-inch Edison conduit, the sum of forty-five cents ($0.45) per lineal foot.

Item 127-C. For service connections for electric ducts, all sizes, the sum of ten dollars ($10) each.

Item 127-D. For wooden electric ducts and conduits of whatever kind, in place, as provided in Section No. 62, the sum of twenty-five cents ($0.25) per duct foot.

Prices for 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 which it is elsewhere in this contract expressly provided shall be paid for under this Article, or in case any work or materials shall be required to be done or furnished in or about the Works which are not contemplated, mentioned, specified or indicated or otherwise provided for in this contract or in the specifications forming a part of this contract or in or upon the contract drawings and which in the opinion of the Engineer are not susceptible of classification under the Items of the Schedule of Unit Prices, the Contractor shall, 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, for insurance upon such labor under the Workmen's Compensation Law, and for materials incorporated in the work and in addition thereto ten per centum (10%) of such net cost, and the Contractor shall have no claim in excess of the above such payment being in full compensation for the performance of such work and the furnishing of such materials and for all expense in connection therewith or incidental thereto, including the expense of plant, power, tools, supplies and other means of construction, administration, superintendence and insurance, and for all the loss, damage, risks and expenses hereinbefore in Article XI mentioned. The amount of the insurance upon such labor under the Workmen's Compensation Law shall be determined by the amount of the wages actually and necessarily paid for such labor and the rate of insurance for such labor either in the State Insurance Fund or in any stock corporation or mutual association authorized to transact the business of workmen's compensation insurance in this State, as the case may be. If the Contractor shall not have insured either in such State Insurance Fund or in any such stock corporation or mutual association, the rate

allowed will be the rate which he would have required to pay for such insurance in the State Insurance Fund had he insured therein. Payment shall not be made under this article for any such work or materials which are so required to be done or furnished in or about the Works and which are not contemplated, mentioned, specified or indicated or otherwise provided for in this contract, or in the specifications forming a part of this contract on in or upon the contract drawings so far as such work or materials may be, in the opinion of the Engineer, susceptible of classification under the Items of the Schedule of Unit Prices, which work or materials shall be paid for in part or in whole as the case may be , at the unit prices given in the Items of the Schedule.

Daily Report in Detail Required.

In case any work or material shall be required to be done or furnished under the provisions of this Article, for cost plus ten per centum (10%), 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, for whom purchased and the amount paid or to be paid therefor. If required by the Engineer or the Commission, the Contractor shall produce any books, vouchers, records and memoranda showing the work and materials actually paid for and the actual prices therefor. Such daily time slips and memoranda shall not, however, be binding upon the City, and if any question or dispute shall arise as to the correct cost of such work or material, the determination of the Engineer upon such question or dispute shall be final and conclusive.

Engineer to Fix Unit Prices.

Instead of the method above described in this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon unit prices or a lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule of Unit Prices contained in this contract.

Quantities Approximate Only.

Article XIII. 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; and neither the City nor the Commission nor any member of the Commission, nor the Interborough Company is to be held responsible that any of the said estimated quantities shall be found even approximately correct in the construction of the Works; and the Contractor shall make no claim for damages or 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 of items stated in the Contractor's Proposal or because of the entire omission of any of the quantities of items stated in the Contractor's Proposal.

Right of Commission to Amplify Drawings.

Article XIV. The Commission shall have the right, during the progress of the work, to amplify the drawings, to add explanatory specifications and to furnish additional specifications and drawings.

Drawings May Be Modified.

Article XV. The Commission further reserves the right 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 under the Items of the Schedule or in Article XII.

Contractor Bound to Complete in Best Manner.

Article XVI. The Contractor shall complete the entire work to the satisfaction of the Commission and in accordance with the specifications and contract drawings and according to the other provisions of this contract and within the time 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.

Best Machinery, Tools, Etc., to Be Used.

Article XVII. The Contractor shall furnish of the best description all labor and materials, plant, tools, supplies and other means of construction necessary to construct and put in complete working order all work covered by the specifications, contract drawings and other provisions of this contract, including all additional specifications, drawings and details issued or required as herein provided.

Contractor Has Examined Locations, Drawings, 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 contract drawings and that he has fully examined the contract drawings 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 shall 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 of the specifications or of the contract drawings or because of any lack of information.

No Acceptance to Obviate 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 other 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 defects in workmanship or materials or other errors or variations from the requirements of this contract. But no omission on the part of the Commission or its Engineer or any officer, member or subordinate of the Commission to point out such defects, errors or variations shall give the Contractor any right or claim against the City or the Interborough Company 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 to 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 this 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 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, at his own expense, forthwith make good such defect, in a manner satisfactory to the Engineer, and if any materials 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, at his own expense, forthwith remove such material.

Engineer's Determination to Be Final.

Article XXIV. To prevent disputes and litigations, the Engineer shall in all cases determine the classification, amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for under this contract, shall determine every question in relation to the Works and the construction thereof and shall 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 touching this contract shall arise between the parties hereto, 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 Specifications.

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.

The Contractor shall promptly obey and follow every direction which shall be given by the Engineer, including any direction which the Engineer shall give by way of withdrawal, modification or reversal of any previous direction given by him.

During the progress of the work under this contract it will be necessary for other contractors and persons employed by the City to do work in or about the construction of the Railroad, including but not limited to the installation of tracks and the providing of certain finish for the Railroad. The Commission reserves the right to put such other contractors and persons to work and to afford them access to the site of the work to be performed hereunder at such time as the Commission may in its discretion deem proper. The Contractor shall prosecute his work continuously and diligently and shall keep his work so advanced that the Commission will be enabled to proceed as soon as possible with the installation of tracks and the providing of said finish and any other construction work to be performed under other contracts and to complete the same coincidently with the completion of the Railroad hereunder; and the Contractor shall so conduct his work as not to impede or interfere with the work of such other contractors or persons and shall so arrange and conduct his work that such other contractors and persons may complete their work and the Railroad be put into operation at the earliest possible date and for that purpose he shall afford to such other contractors or persons such facilities as the Engineer may require.

Differences Between Contractor and Other Contractors.

Wherever any work performed or to be performed by the Contractor under this contract shall adjoin, affect or interfere with any work performed or to be performed by any other contractor or contractors of the Commission, including the work within twenty (20) feet of the division lines between the Railroad and adjoining work, the Engineer shall decide any question or dispute between the Contractor and such other contractor or contractors and shall determine which of them shall perform or complete any work and the manner, time and method in which they shall perform their respective work and the facilities which each shall afford to the other or others.

During the progress of the work under this contract it will also be necessary for the Interborough Company, its successors or assigns, and other contractors and persons employed by the Interborough Company, its successors or assigns, to do work in or about the equipment of the Railroad, including but not limited to laying the third or power rail, installing signals, drawing cables and installing wires for lighting. The Contractor shall prosecute his work continuously and diligently and shall keep his work so advanced that the Interborough Company, its successors or assigns, will be enabled to proceed as soon as possible with the equipment of the Railroad and to complete the same coincidently with the completion of the Railroad hereunder; and the Interborough Company, its successors or assigns, and the contractors or persons employed by the Interborough Company, its successors or assigns, shall have the right to enter upon the site of the work to be performed hereunder at any time for the purpose of proceeding with the work of equipping the Railroad. The Contractor shall so conduct his work as not to impede or interfere with the work of the Interborough Company, its successors or assigns, or such other contractors or persons engaged in or about the equipment of the Railroad and shall so arrange and conduct his work that the Interborough Company, its successors or assigns, and such other contractors and persons may complete their work and the Railroad be put into operation at the earliest possible date and for that purpose he shall afford to the Interborough Company, its successors and assigns, and such other contractors or persons such facilities as the Engineer may require.

Wherever any work performed or to be performed by the Contractor under this contract shall adjoin, affect or interfere with any work performed or to be performed by the Interborough Company, its successors or assigns, or by any contractor or contractors of the Interborough Company, its successors or assigns, in connection with the equipment of the Railroad, the Engineer shall determine the manner, time and method in which the Contractor shall perform his work and the facilities which he shall afford to the Interborough Company, its successors or assigns, or to such other contractor or contractors.

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.

CHAPTER III.

Specifications.

Railroad of Highest Class Required—Best Materials and Workmanship Required.

Section No. 1. The specifications and the contract drawings hereinafter mentioned, 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 the 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 to be constructed for actual use and operation as an intraurban 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 of the specifications or of the contract drawings or of the text of this contract, the same shall be interpreted as calling for the best construction, both as to materials and workmanship, capable of being supplied or applied. All the clauses of the specifications and all the parts of the contract drawings are, therefore, to be understood, construed and interpreted as intended 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 these specifications or this contract or on the contract drawings any matter or thing requisite be not contemplated, mentioned, specified or indicated or otherwise provided for, nevertheless the same is deemed to be included and the Contractor shall do the same as a part of the work hereunder at the unit prices for each class of work where in the opinion of the Engineer applicable or as provided in Article XII.

Maps and Drawings.

Section No. 3. The contract drawings referred to in this contract and these specifications are each countersigned by the Engineer, stamped with the seal of the Commission and, except typical drawings hereinbelow designated, bear the general title:

Route No. 29. Section No. 1, Contract Drawing No.

and are designated or numbered as follows: A-1 to A-4 inclusive, B-337 to B-340 inclusive, and B-345, C-1 to C-26 inclusive, C-401, C-402, C-601, C-602, C-603 and C-604, and are dated January 11, 1915, and the following typical drawings, which are all countersigned by the Engineer, stamped with the seal of the Commission and bear the general title:

Contract Drawing No.

—and are designated or numbered as follows:

B-288 and B-289, dated October 22, 1913, B-298, dated February 2, 1914, and C-1006, dated April 2, 1914.

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. Working drawings to amplify the contract will be furnished by the Engineer to the Contractor, from which the shop drawings shall be made by him. The first of these working drawings will be given to the Contractor within thirty (30) days after this contract is delivered and the remainder from time to time as may

be reasonably and necessarily required by the Contractor; and the Contractor shall promptly upon the delivery of this contract furnish a written statement to the Engineer showing the order in which he desires the working drawings to facilitate the prosecution of his work and this order will be followed so far as reasonably practicable and necessary. Where, however, changes are deemed necessary they may be ordered under Article XV of this contract and the Engineer shall issue such drawings 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 drawings 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 general nature of the soil underlying portions of the route, the nature and position of surface railroads, water mains, gas and other pipes, sewers, electric subways, manholes, hydrants, catch basins and other surface, subsurface and overhead structures, and the character, size and position of the foundations of many of the buildings along the route of the Railroad.

Section No. 6. These supplementary drawings and samples of materials taken in connection with test borings may be seen at the office of the Engineer. They are exhibited to the Contractor without any guarantee on the part of the Commission as to their completeness or correctness. The Contracor may have copies (blue-prints) of these supplementary drawings for such aid, if any, as may be derived from them, on the payment of the cost of blue-printing.

Section No. 7. If in the prosecution of the work 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, subsurface or overhead structures or obstructions be discovered or if any surface, subsurface or overhead structures or obstructions be found of different size or in different positions or of different nature from those shown on the supplementary drawings or if in any other way such supplementary drawings be found erroneous, incomplete or misleading, the Contractor shall take every necessary or proper precaution to overcome the unforeseen difficulty and shall support, maintain, protect, remove, relay, adjust or readjust, as the case may be, the additional or different surface, subsurface or overhead structures according to the direction of the Engineer and as provided in this contract and these specifications.

Specifications Do Not Include All Requirements.

Section No. 8. The specifications do not include all requirements, but are requirements in addition to those elsewhere given or provided in this contract. The specifications and the other provisions of this contract and the contract drawings are intended to be explanatory of one another. Should, however, any discrepancy appear or any misunderstanding arise as to the import of anything contained in either, the explanation or decision of the Engineer shall be final and conclusive.

Section No. 9. These specifications are grouped in sub-divisions as follows:

1. Brief Description of the Work.
2. General Clauses.
3. General Manner of Prosecution and Maintenance of Traffic.
4. Railroad tracks, mains and other surface, subsurface and overhead structures.
5. Excavation.
6. Backfilling.
7. Piling and Timbering.
8. Cement.
9. Mortar.
10. Masonry.
11. Concrete.
12. Brick Masonry.
13. Stone Masonry.
14. Waterproofing.
15. Steel and Iron.
16. Painting.
17. Drains and Pumps.
18. Sewers.
19. Requirements for pipes.
20. Railroad and tunnel ducts.
21. Conduits.
22. Surfaces restored.
23. Gratings, hand rails, etc.
24. Special matters.

SUBDIVISION 1.

Brief Description of the Work.

Section No. 10. The Railroad is to be an underground railroad or subway. The general details of construction and the location of the various tracks, junctions, grades, etc., are indicated more particularly on the contract drawings.

The Contractor will not be required to provide or lay tracks, ties or ballast under this contract.

Stations are to be constructed at such places as are indicated on the drawings, 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, as hereinbefore provided.

Section No. 11. 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. 12. 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 shown on the drawings, 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 drawings.

The chambers will be provided with suitable steel doors and with steel ladders reaching to the street for use as exits in case of emergency. Such doors and ladders will be paid for as riveted steel, Schedule Item 19.

Partition Walls.

Also in connection with the ventilation of the railroad, partition walls shall be constructed between the tracks where required.

Openings, or refuge niches, shall be provided in all partition walls at suitable intervals.

Other openings with gratings will be built at or over the station for the purpose of admitting air to the Railroad.

SUBDIVISION 2.

General Clauses.

Prevention of Water Percolation.

Section No. 13. 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. 14. 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. 15. 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. 16. The Railroad forms part of an extensive rapid transit railroad system, which the interests of the City imperatively require shall be completed and put into operation without delay. If the Contractor shall not prosecute his work in such manner as to make it probable, in the judgment of the Engineer, 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 to such extent 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. 17. 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. 18. 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 structural steel and other material needed for construction will be available. The Contractor must conduct his work so as to avoid advancing the excavation at any place ahead of the delivery on the work or on property owned or leased by the City of the structural steel required for such place, unless otherwise permitted by the Engineer. If the Contractor elects, and is permitted to advance the excavation ahead of such steel delivery, it will become necessary for him to support and maintain the trenches until the steel can be obtained; this he shall do entirely at his own risk and expense. The permits are to be in such form and shall cover such portions of the work as the Commission shall prescribe.

When to Be Filed With Borough President.

Section No 19. 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 (5) days, unless the Engineer shall expressly direct work to begin within a less period.

Notice Regarding Commencement of Work.

Section No. 20. At least one (1) week 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 of his intention to commence such operations; and at least one (1) week before commencing or resuming manufacture of any article called for by these specifications, the Contractor shall give notice in writing to the Engineer of his intention to commence or resume such manufacture, 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. 21. Detail plans showing the proposed location, and proposed methods of construction of shafts, dumping platforms, and all other appurtenances in connection with the shaft working plants, shall be submitted to the Engineer and must receive his approval before permits will be granted for such plants and appurtenances to be constructed and put in operation.

City Ordinances and Regulations to Be Observed.

Section No. 22. In all operations connected with the Works, all ordinances of the City and of the Board of Health and all laws of this State which are 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 of materials in and around the City and Harbor of New York.

Requirements of Borough President, Etc., to Be Observed.

Section No. 23. Whenever the construction of the Works under the provisions of this contract shall interfere with, disturb or endanger any sewer, water pipe, gas pipe 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. 24. The Contractor shall at his own cost 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 any inspection charge in connection therewith. He shall bear the cost of all work, labor and material in connection with bagging, cutting and capping and installing circulation connection and temporary drips for gas pipes where in the opinion of the Engineer it is necessary to cut off the supply of same; and also in connection with replacing and restoring such pipes to their original condition, except where it is necessary to resort to by-passing as provided in Section No. 52, and of the shutting off and restoration of the flow in water mains where such work applied to the maintenance and support thereof as provided in Section No. 59.

Storage on Cross-streets.

Section No. 25. 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 and other 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.

No material of any nature shall be stored along the streets occupied by the Railroad.

Material Stored.

Section No. 26. 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 other than the surface of streets for such periods as may be approved by the Engineer.

Approval of Engineer Revocable.

Section No. 27. In any case material may be stored only with the approval of the Engineer, revocable at any time; and if so ordered, such material shall be removed immediately by the Contractor at his own expense on receipt of the order or within a period of time to be therein stated.

Access to Fire Hydrants.

Section No. 28. 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 prevent the same from being readily seen, the position of such hydrant or fire alarm box shall be indicated by suitable signals, both day and night.

Fire Alarm Telegraph System to Be Safeguarded.

The Contractor shall at his own expense guard, maintain and protect the existing wires, cables, ducts, manholes, posts and poles of the Fire Department. He shall not cause the interruption of the existing Fire Alarm Telegraph service. No Fire Department wire, cable, duct, manhole, post or pole shall be disturbed except in the presence of a representative of the Bureau of Fire Alarm Telegraph. In case any such wire, cable, duct manhole, post or pole shall be disturbed, it shall be restored to its original condition by the Contractor at his own expense.

Work to Be Cleared.

Section No. 29. The Contractor shall at his own expense keep the work, streets and all public places occupied by him clear 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. 30. 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, as may have to be taken to or removed from such property; such materials 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. 31. 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 at his own expense, as hereinbefore provided; nor shall such materials be allowed to accumulate in the trenches.

Conveniences for Men.

Section No. 32. 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. 33. 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. 34. 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. 35. 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.

Construction Drawings.

Section No. 36. The Engineer will prepare and furnish to the Contractor, from time to time as required, drawings amplifying such details of the contract drawings as may be necessary and drawings 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 drawings 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. 37. 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 drawings 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 twenty (20) working days after delivery to him at his office of such drawings in duplicate. Immediately upon final approval of such working or shop drawings by the Engineer, the Contractor shall furnish the Commission with four (4) additional copies of such approval drawings.

Lines and Grades.

Section No. 38. 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 and for making measurements.

Orders, How Given.

Section No. 39. Orders and directions may be given orally by the Engineer to, and shall be received and promptly obeyed by, the Contractor or his representative or any superintendent, overseer or foreman of the Contractor who may have charge of the particular work in relation to which the orders or diections are given, and a confirmation in writing of such orders or directions will be given to the Contractor by the Engineer if so requested. The Contractor or his duly authorized representative shall be present at all times on the work to receive orders and directions from the Engineer.

Imperfect Work.

Section No. 40. 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.

Section No. 41. All work of whatever kind which during its progress and before its final acceptance shall become damaged from any cause shall be broken up or removed and be replaced by good and sound work at the Contractor's expense.

Condemned Material to Be Removed.

Section No. 42. 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 material at his own expense.

Competent Men.

Section No. 43. 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.

SUBDIVISION 3.

General Manner of Prosecution and Maintenance of Traffic.

Access to Buildings, Etc.

Section No. 44. No building shall, without the consent of the occupant and without 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 and leave street cars shall be maintained.

Conduct of Work.

Section No. 46. Generally the Contractor will be permitted to conduct his 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.

Section No. 47. All necessary facilities are to be furnished by the Contractor at his own expense for the benefit of street travel both on longitudinal and cross streets.

Decking of Streets and Sidewalks.

Section No. 48. In order to minimize interference with traffic and inconvenience to abutting property owners during the construction of the Railroad, on all parts of the work 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. (See Section No. 427.)

Section No. 49. The street intersections, except where working shafts are located, shall be kept at all times open for traffic for their full width.

Where the decking is temporarily removed from any part of the street, the opening shall be protected by suitable fencing and bridging. In all cases the Contractor shall at all times at his own expense 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.

Section No. 50. 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.

Section No. 51. Wherever the excavations are decked, or where gases are liable to accumulate, suitable openings shall be provided for proper ventilation.

By-Passing Gas Mains.

Section No. 52. Wherever the excavations are decked, all gas pipes the services of which cannot temporarily be dispensed with shall be by-passed, if directed by the Engineer, temporary pipes to take their place being laid upon, above or below the street or sidewalk surfaces. These temporary by-passing pipes, if laid upon or below the street surface, will be paid for at the prices stipulated in Schedule Item 99-A. If laid above the street or sidewalk surface, they will be paid for at the prices stipulated in Schedule Item 99-B. These prices are to include the cost of all excavation, backfilling, temporary paving (including maintenance of same), and the restoration of the permanent paving both upon the completion of the by-passing installation and upon the restoration of the original system, all bagging, cutting and capping and installing circulation connections, and all other work, labor and material of whatever character necessary to provide a temporary and independent system of gas supply to take the place of the system originally in the street; to connect such temporary system with the mains in the intersecting streets where necessary; to transfer all house and lamp services to such temporary system where necessary; to remove and dispose of the material of such temporary system and to restore the original system; and no allowance will be made therefor under any other Schedule Item or otherwise. No allowance will be made for the maintenance of such temporary system. All maintenance will be considered as of the original system, and will be as provided for in Section No. 59. The material of the temporary system shall upon removal become the property of the Contractor. All pipe included in Schedule Item 99-A shall be wrought iron of a quality and manufacture to be approved by the Engineer. If laid on a trestle or suspended from cables (Schedule Item 99-B) the pipes shall be flanged, or of other approved connection, and sizes twenty (20) inches in diameter or less shall be rolled wrought-iron pipe; for sizes above twenty (20) inches in diameter they shall be riveted and caulked steel pipe, made from plates one-fourth (¼) of an inch in thickness.

Section No. 53. Temporary pipes, if laid upon or above the street or sidewalk surfaces, shall be neatly and substantially placed in a manner to cause the minimum of inconvenience to the abutting property owners and to the public. Where by-passing pipes are to cross a street overhead, the trestles must be of such a height as to give a minimum clear head room underneath the pipe and its supports of fourteen (14) feet.

The trestle shall be measured along its centre line from out to out of end bents or if cable suspension is employed, such cable suspension shall be measured horizontally from out to out of anchorages, and will be paid for per lineal foot of trestle or cable suspension so measured, whether one or more pipes are supported thereon.

The trestles or cables suspension to support the by-passing pipes shall be of a design approved by the Engineer and shall be painted and approved color.

SUBDIVISION 4.

Street Railroad Tracks, Mains and Other Surface, Sub-surface and Overhead Structures.

Notice to Be Given to Interested Parties.

Section No. 55. Notice shall be given by the Contractor to all individuals, companies and the proper city officials, owning or having charge of surface, subsurface or overhead 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 parties, 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 for Rearrangement Procedure.

Section No. 56. In the re-arrangement of surface, subsurface or overhead 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 (10) 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. 57. Whenever it becomes necessary to cut, move, change, or reconstruct any surface, subsurface or overhead structures, or connections therewith, such work shall be done according to the reasonable satisfaction of the owners of such structures.

Section No. 58. 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. 59. 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, subsurface and overhead structures and all their appurtenances encountered or affected during the prosecution of his work; if the maintenance of such usual service makes it necessary, the Contractor shall temporarily remove and relay or reconstruct any such surface, subsurface or overhead structure and shall restore the same or reconstruct the same in a new location prior to the completion of this contract. Also, in order that access may be had in emergencies to gates or valves on water or gas mains and to electric manholes, where such gates or valves and manholes are decked over, trap doors of a suitable size shall be provided in the decking. All surface, subsurface and overhead structures and all their appurtenances, and all surfaces of whatever character along the line of the work shall be protected from injury, and the Contractor shall fully restore such surface, subsurface and overhead structures and all their appurtenances or surfaces to, and shall leave them in, as useful, durable and good a condition as existed before construction was begun. All the above, including also all changes of surface, subsurface and overhead structures and all their appurtenances and all surface of whatever character 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.

Payment for Changes of Pipes.

Section No. 60. (1) Changes of water, gas or other scheduled pipes, made necessary because of physical interference of such scheduled pipes with the Railroad structure, Railroad ducts or Railroad duct manholes, and requiring the removal, relaying or reconstruction of such scheduled pipes in other than the original position, will be paid for at the prices stipulated in Schedule Items 78, 79, 80, 82, 83, 84, 88, 89, 90, 91, 92, 93, 94, 95, 95-B, 96 and 97. These prices are per lineal foot of such scheduled pipes laid, and shall include the cost of the removal, relaying or reconstruction of all their service connections, all other appurtenances of whatever character and all other work, labor and material incidental thereto, made necessary because of the physical interference of such scheduled pipes with the Railroad structure, Railroad ducts or Railroad duct manholes, and no allowance will be made therefor under any other Schedule Item or otherwise; excepting that:

(2) If new pipes have to be provided to take the place of such scheduled pipes, 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, which prices shall include the cost of delivery of the new pipes actually used as measured in place in the work, and the removal and disposal of the old pipes. This does not relieve the Contractor, however, of his obligation to preserve all pipe that is in good condition and can be reclaimed and used, in order to avoid the necessity whenever possible of providing new pipe.

Payment for Excavation Outside of Net Lines.

(3) If such scheduled pipes in their new locations are outside of the ordered net lines of excavation for the Railroad structure, Railroad ducts or Railroad duct manholes, necessitating additional excavation and restoration of street surface, such excavation will be paid for at the price stipulated in Schedule Item 2-A (which price shall include all the matters referred to in Section No. 92) and such restoration of street surface will be paid for at the prices stipulated in Schedule Item 30, but only for such width as is prescribed in Section No. 61 for the excavation to be paid for. Any additional excavation and restoration of street surface, outside of the ordered net lines of excavation for the Railroad structure, Railroad ducts or Railroad duct manholes, necessitated for service connections and for other appurtenances for scheduled pipes located either inside or outside the ordered net lines of excavation for the Railroad structure, Railroad ducts or Railroad duct manholes, will not be measured or paid for separately, but compensation therefor will be deemed to be included in the prices for excavation and street surface restored specified in this subdivision (3) and in the prices for scheduled pipes specified in subdivision (1) of this Section No. 60.

Service Connections.

(4) Changes of the service connections of all pipes made necessary because of the physical interference of such service connections with the Railroad structure, Railroad ducts or Railroad duct manholes, whether the main pipe line is or is not changed, will be paid for at the prices stipulated in Schedule Items 88-A and 99-D, which prices are for each such service changed and are to include the cost of all connections, all wrought-iron pipe sleeves of whatever description, insulation where necessary, all appurtenances of whatever character and all other work, labor and material incidental to the removing, relaying or reconstructing of such service con-

nections, and no allowance will be made therefor under any other Schedule Item or otherwise.

Measurements in Pipe Excavation and Appurtenances.

Section No. 61.

(1) In the estimate and payment for earth excavation for pipe laying, allowance will be made for a width of trench two (2) feet wider than the interior diameter of the pipe and a depth six (6) inches deeper than the invert of the pipe, measured from the surface of the street on the line of the trench. Where, in the opinion of the Engineer, the trench for laying pipes thirty (30) inches or more in diameter requires to be close sheeted, allowance will be made in the estimate for payment for earth excavation for a width of trench three (3) feet wider than the interior diameter of the pipe, when the trench is so sheeted.

(2) For the building of valve chambers and other structures and for the setting of valves, valve boxes and hydrants, the total excavation to be allowed will be that within vertical planes one (1) foot outside of the outside lines of such structures, valves, valve boxes or hydrants, the depth being taken as the distance from the street surface to the lowest part of the structure or appurtenance.

(3) At the intersection of two trenches or at the intersection of a pipe or other trench with an excavation made by the Contractor under orders from the Engineer, for any purpose whatsoever, the cubical contents of the intersection will be allowed only once. Under no circumstances will a double allowance be made for any excavation.

Payment for Changes of Electric Conduits and Ducts.

Section No. 62.

(1) Changes of electric conduits or ducts found in the street (other than street railroad ducts, payment for which is provided in Schedule Item 75) made necessary because of physical interference of such conduits or ducts with the Railroad structure, Railroad ducts or Railroad duct manholes, and requiring the removal, relaying or reconstruction of such conduits or ducts in other than the original position, will be paid for at the prices stipulated in Schedule Items 127, 127-A and 127-D. The price per duct foot in place, and measured in place, stipulated in Schedule Item 127 shall include the cost of conduits or ducts in place (except wrought-iron pipe and wooden ducts), of furnishing any new conduits or ducts which may be necessary, of all manholes, vaults, service boxes and their appurtenances, of drawing cables and providing new cables where necessary, of relaying and reconstructing all services and all other work, labor and material incidental to and necessary for the completed conduit or duct lines, made necessary because of the physical interference of such conduits or ducts with the Railroad structure, Railroad ducts or Railroad duct manholes, and no allowance will be made therefor under any other Schedule Item or otherwise excepting that:

Payment for Excavation Outside of Net Lines.

(2) If such conduits or ducts in their new locations are outside of the ordered net lines of excavation for the Railroad structure, Railroad ducts or Railroad duct manholes, necessitating additional excavation and restoration of street surface, such excavation will be paid for at the price stipulated in Schedule Item 2-A (which price shall include all the matters referred to in Section No. 92) and such restoration of street surface will be paid for at the prices stipulated in Schedule Item 30, but only for such width as is prescribed in subdivision (5) of this Section No. 62 for the excavation to be paid for. Any additional excavation and restoration of street surface outside the ordered net lines of excavation for the Railroad structure, Railroad ducts or Railroad duct manholes, necessitated for service connections and for other appurtenances of conduits or ducts located either inside or outside the ordered net lines of excavation for the Railroad structure, Railroad ducts or Railroad duct manholes, will not be measured and paid for separately, but compensation therefor will be deemed to be included in the prices for excavation and street surface restored specified in this subdivision (2) and in the prices for conduits or ducts specified in subdivision (1) of this Section No. 62.

Service Connections.

(3) Changes of the service connections of all conduits or ducts (except street railroad ducts) made necessary because of the physical interference of such service connections with the Railroad structure, Railroad ducts or Railroad duct manholes, whether the main conduit or duct line is or is not changed, will be paid for at the price stipulated in Schedule Item 127-C, which price is for each such service changed and shall include the cost of all connections, all wrought-iron pipe sleeves of whatever description, all appurtenances of whatever character and of all other work, labor and material incidental to the removing, relaying or reconstructing of such service connections and no allowance will be made therefor under any other Schedule Item or otherwise.

Payment for Wrought Iron Pipe Ducts.

(4) Wrought-iron pipe ducts (including Edison tube mains) will be paid for at the prices stipulated in Schedule Item 127-A, which prices are to include all the work, labor and material specified under Schedule Item 127.

Wooden ducts of whatever kind will be paid for at the price stipulated in Schedule Item 127-D, which price shall include all the work, labor and material specified under Schedule Item 127.

Measurement for Conduit and Duct Excavation.

(5) In the estimate and payment for excavation for conduit and duct laying and for the building of manholes, vaults, service boxes and their appurtenances, allowance will be made for a width of trench eight (8) inches wider than the duct bank or other structure, the depth measured on the line of the trench being taken as the distance from the street surface to the lowest part of the structure.

Maintenance of Railroads.

Section No. 63. The Contractor shall maintain and support, in a manner that will cause the minimum interference with traffic, all surface railroads along the line or crossing the line of the work.

The Contractor shall maintain and support, both temporarily and permanently, in a safe condition all street surface railroads, including ducts, poles, 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, poles, cables and all other appurtenances of such railroads, whose reconstruction or rebuilding may be necessitated by the construction of the work. Payment therefor (including the cost of such work in the cases of on and off line sewer trenches, and Railroad duct line) will be made at the price stipulated in Schedule Item 75, which price shall include the cost of all work, labor and material incidental thereto, and no allowance will be made therefor under any other Schedule Item or otherwise. Payment will be made for the actual length of single track as measured along the center line of track within the net lines of excavation for the Railroad, including crossovers from point to point of switch, turnouts from point of switch, and the full length of crossings. If permanent masonry supports are ordered and added, and if additional vaults in excess of the number existing are ordered and constructed to give equivalent facilities, they will be paid for at the prices stipulated in the Schedule of Unit Prices for the several classes of work or material applicable thereto. The Contractor will be required to support street surface railroads upon compacted backfill in lieu of masonry piers, unless the Engineer shall order such masonry piers. The cost of such compacted backfill will be deemed to be included in the prices stipulated for excavation.

Facilities to Be Given Owners to Make Extensions.

Section No. 64. In the event of the owners or the City desiring to make any addition, alteration or extension to their structures or to do any work to or in connection with surface, subsurface or overhead structures owned by them or it or to lay any new structure in or across a street occupied by the Works at the time the work under this contract is in progress, the Contractor by written permission shall give said owners or the City all reasonable opportunity to perfom such work; provided such work or alteration for the benefit solely of the owners of subsurface structures does not cause the Contractor any serious loss or delay, as shall be determined by the Commission. The written permission from the Contractor, with three (3) prints of plans or sketches or a description indicating the proposed work in detail, shall be submitted to and approved by the Engineer before any work shall be proceeded with under such written permission.

SUBDIVISION 5.

Excavation.

Section No. 65. 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 subsurface structures encountered along the route and contiguous to the Railroad.

Section No. 66. 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, special foundation or drain pipes as may be deemed necessary by the Engineer.

Sides to Be Secured.

Section No. 67. The sides of the excavations shall be secured against slips by suitable sheet piling or sheeting, held in place by braces, shores or waling 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.

Section No. 68. Sheeting shall be driven wherever possible, but when it is placed against the sides of the excavation, the space 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. 69. (1) The Contractor shall secure buildings adjacent to the excavation, either in accordance with Sections Nos. 67 and 68, in the case of buildings supported on firm soils when a slope represented by one (1) foot vertical to two (2) feet horizontal, inclined downward from the bottom outer edge of any building foundation, intersects or passes beneath the bottom outer edge of the completed Railroad structure; or

(2) When compliance with the provisions of Sections Nos. 67 and 68 is not sufficient to secure adjacent buildings or when necessary to prevent improper pressure against the Railroad structure when completed, the Contractor shall safely and permanently underpin adjacent buildings the foundations of which are above the bottom of the adjacent excavation for the Railroad. By underpinning is meant such method of construction as will transmit the foundation loads directly through the underpinning structure to such lower lever as is necessary to secure the buildings and which will relieve the adjacent ground from improper lateral pressure. The underpinning shall be designed to furnish a safe and permanent independent support for each building. To accomplish this result, the Contractor shall use such methods of underpinning, pneumatic or otherwise, as special conditions may require and the Engineer shall approve; or

(3) The Contractor shall, subject to and only with the approval of the Engineer, in lieu of underpinning construct such form of permanent construction as may be necessary to maintain, protect and secure the adjacent buildings against displacement, provided the safety of the completed Railroad structure will not be endangered by improper pressure from such form of construction and such adjacent buildings.

Before the work is proceeded with, the Contractor shall submit to the Engineer drawings in duplicate indicating the proposed typical and special methods of underpinning or of maintaining, protecting and securing the adjacent buildings.

Section No. 70. When underpinning of a building is necessary and the work is done as provided in (2) of Section No. 69, payment will be made at the price stipulated in Schedule Item 4; when a building is maintained, protected and secured as provided in (3) of Section No. 69, payment will be made at the price stipulated in Schedule Item 4-E; and when a building is secured as provided in (1) of Section No. 69, payment for the work shall be deemed to be included in the prices stipulated in the Schedule for excavation, as provided in Section No. 92. The prices stipulated in Schedule Items 4 and 4-E are per lineal front foot of building underpinned or maintained, protected and secured. The lineal front foot measurement does not mean the perimeter measurement of a building front, along the lines of stoops, bay windows, etc., but the straight front measured parallel to the building line along the street traversed by the Railroad, and at the sidewalk level. Where the excavation for the Railroad projects into a transverse street, as at stations, and it is necessary to underpin or to maintain, protect and secure a building, the lineal front foot measurement will be increased by the measurement in such transverse street within the limits of such portion of the Railroad which requires such work to be done. The prices shall include payment for all work, labor and material of whatever nature required in connection with underpinning or with maintaining, protecting and securing the building proper, such as side walls, both interior and along transverse (except as noted above) streets; partition walls, both parallel and perpendicular to the building front; interior columns and any other work which may be required, and no allowance will be made therefor under any other Schedule Item or otherwise. The prices are not to include the payment for underpinning or for maintaining, protecting and securing vaults, area ways, retaining walls, fences, stoops or porches, but the payment for such work, when required, shall be deemed to be included in the price stipulated for excavation of Schedule Item 1. In cases where there is a building which has not been underpinned or maintained, protected and secured, or in cases where the adjacent property is vacant, but it is necessary to undepin or maintain, protect and secure vaults, area ways, retaining walls, fences, stoops or porches in front of such building or such vacant property, the payment for such work shall be deemed to be included in the price stipulated for excavation in Schedule Item 1. If ordered by the Engineer, the Contractor shall dig test pits alongside the building foundations to determine the necessity for underpinning or for maintaining, protecting and securing a building. Payment for such test pits will be made at the price stipulated in Schedule Item 2-A.

Payment for Sheeting.

Section No. 71. No payment shall be made 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 for the sheeting so left in as measured by the Engineer, 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. This section applies only to the sheeting in trench work.

Timber for Temporary Purposes.

Section No. 72. 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 (unless otherwise permitted), 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. 73. The removal, where necessary, of all walls and other parts of vaults of abutting property along the line of the Railroad that are within the ordered net lines of excavation shall be considered as earth excavation as provided in Section No. 87, but the restoration of all such walls and other parts of vaults also areas and coal holes originally within the ordered net lines of excavation when in the opinion of the Engineer susceptible of classification, will be paid for at the unit prices specified in the Schedule applicable in the opinion of the Engineer to the several classes of work and material involved in such restoration; or when in the opinion of the Engineer not susceptible of classification such work will be paid for as provided under Article XII.

The above is not to be construed, however, as applicable to any work beyond the ordered net lines of excavation, which shall be done at the Contractor's own cost and expense.

Section No. 74. Wherever vaults of abutting property are broken through or otherwise disturbed, the Contractor shall at his own cost and expense provide all materials for and erect a six (6) inch hollow tile wall laid in Portland cement mortar, as 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. Upon the completion of the restoration of the vault such wall shall, unless otherwise directed, be immediately removed and disposed of by the Contractor at his own cost and expense.

Blasting.

Section No. 77. 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 then only under such restrictions as he may impose.

Section No. 78. 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 in the hands of only 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.

Section No. 79. Whenever any subsurface structure is encountered in or alongside of the trench, the right is reserved to direct that all boulders within five (5) feet of the same shall be removed by means other than blasting.

Compacted Backfill.

Section No. 81. Any excess excavation in the bottom of the trench below the net line of excavation will be replaced by a compacted backfill placed at the Contractor's expense. (See Section No. 93.)

Pumping.

Section No. 83. 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 discharge from all pumps shall be conducted into the adjacent sewers, and the discharge 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. 84. All carts, buckets and other vehicles used by the Contractor for the removal of material shall be tight and so arranged and so loaded as not to spill. 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.

Material Removed Expeditiously.

Section No. 85. 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.

Excavated Material Desired by City.

Section No. 86. 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 Defined.

Section No. 87. Earth excavation includes the excavation of all materials of whatever nature encountered in the trenches, including boulders.

Measurement of Excavation.

Section No. 88. The net outside width of the Railroad structure, as ordered and indicated on the drawings, and the depth of the Railroad structure, also as ordered and indicated on the drawings, are the ordered net lines of excavation, and will govern as to width and depth in the measurements for payment for excavation for the Railroad. No deduction from the volume of excavation determined by the ordered net lines of excavation will be made on account of vault or area space or spaces occupied by pipes and other subsurface structures. Under no circumstances will a double allowance be made for any excavation.

No Allowance Outside of Ordered Net Lines.

Section No. 89. 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; 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.

Changes of Street Grade.

Section No. 90. When the contract drawings indicate that the grade of any street, park or parkway is to be raised or when the Engineer shall order such grade to be raised, the Contractor shall fill in such places to the changed grade as required and such work shall be measured and paid for at the price stipulated for earth excavation in Schedule Item 1.

Payment for Excavation.

Section No. 91. Excavation except as elsewhere provided, shall be paid for at the price stipulated in Schedule Item 1.

Price for Excavation to Include.

Section No. 92. The price stipulated for excavation in Schedule Item 1 shall include the cost of the disposal of the 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 pumping and bailing, and of the maintenance and support, with all incidental work, labor and material of any kind, of all surface, subsurface and overhead structures and surfaces of whatever nature and their appurtenances, payment for the maintenance and support of which is not herein elsewhere *specifically* provided for under other Schedule Items.

SUBDIVISION 6.

Backfilling.

Section No. 93. The trenches at the sides of and over the top of the Railroad and wherever backfilling is necessary, including any void spaces of vaults or other structures below the ordered net lines of excavation which it may be necessary to fill or grade in order to provide the sub-grade for the Railroad, 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 by ramming in layers not exceeding six (6) inches in depth, as required by the Engineer.

Section No. 94. Whenever pipes, sewers or other subsurface structures are met with, the filling must be carefully packed, rammed and tamped under and about such subsurface structures, special tools being used 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.

Section No. 95. As fast as the work of filling permits, sheeting and other timber supporting the sides of the excavation shall be carefully withdrawn, and the spaces left by the removal of such material carefully backfilled, but if directed by the Engineer, the sheeting shall be left in place.

Section No. 96. The cost of backfilling is deemed to be included in the prices stipulated for earth excavation in Schedule Items 1 and 2-A.

SUBDIVISION 7.

Piling and Timbering.

Section No. 97. If in the judgment of the Engineer the ground is of such 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, or other acceptable timber, straight and free from shakes; they shall be not less than twelve (12) inches in diameter at the butt end, nor 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.

Section No. 98. 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. 99. Timber piles will be paid for at the price stipulated in Schedule Item 12, which price shall include the cost of furnishing, driving and preparing the piles ready for the capping timbers or masonry; 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.

Section No. 100. If in the judgment of the Engineer special conditions so require, piles of reinforced concrete of an approved form of construction shall be used.

Section No. 101. Payment for piles other than timber piles will be made as provided in Article XII.

Grillage and Foundation Timber.

Section No. 102. Timber grillage foundations shall be built if so directed by the Engineer.

Section No. 103. 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 drawings to be issued shall require, and held in place by bolts, spikes or good seasoned oak or locust tree-nails.

Section No. 104. 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 made at the price stipulated in Schedule Item 13.

SUBDIVISION 8.

Cement.

Section No. 105. 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 centum has been made subsequent to calcination.

Brand to be Approved.

Section No. 106. 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. 107. 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 time 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. 108. 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. 109. 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 Analyses.

Section No. 110. Chemical analyses of cement made from time to time shall show a reasonably uniform composition. Cement shall contain not more than 1.75 per centum of sulphuric anhydride (SO3) nor more than 4 per centum of magnesia (MgO).

Fineness.

Section No. 111. The fineness of the cement shall be such that it shall leave by weight a residue of not more than eight (8) per centum on a No. 100 sieve and not more than twenty-five (25) per centum 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. 112. It shall develop initial set in not 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. 113. 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. 114. 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.; 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 be not 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. 115. 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. 116. 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. 117. 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.

Method of Storing.

Section No. 118. 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.

SUBDIVISION 9.

Mortar.

Section No. 119. All mortar shall be prepared from cement and sand approved by the Engineer. These ingredients shall be thoroughly mixed dry in the proportions specified below; sufficient water shall then be added to produce a stiff paste. Water used in mortar, grout or concrete must be clean, fresh water. Salt water will not be permitted. The mortar shall be freshly mixed for the work in 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.

Sand used for mortar shall be clean, and shall be graded from fine to coarse to the satisfaction of the Engineer. It shall contain no grains which will not pass a one-fourth (¼) inch mesh screen, nor more than six (6) per centum by weight which will pass a one hundred (100) mesh screen.

Sand.

Sand shall be of such quality that mortar composed of one (1) part of Portland cement and three (3) parts of sand by weight will have a tensile and compressive strength equal to mortar of the same consistency made with one (1) part of the same cement and three (3) parts of standard Ottawa sand.

Section No. 120. 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 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.

Grout.

Section No. 121. If required by the Engineer, a grout, consisting of one (1) part fine, clean sand and one (1) part of Portland cement shall be pumped in under pressure, so as to completely fill all the voids in or behind the masonry.

Section No. 122. When grout is ordered and used, it shall be paid for at the price stipulated in Schedule Item 11.

SUBDIVISION 10.

Masonry.

Section No. 123. All masonry, except as otherwise specified, shall be laid in Portland cement mortar, and shall be built to the forms and dimensions shown on the drawings, 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.

Section No. 124. Care must be taken that no water shall interfere with the proper laying of masonry in any of its parts.

Freezing Weather.

Section No. 125. During freezing weather no masonry shall be built unless properly protected against frost, and masonry shall not be built in exposed places where in the opinion of the Engineer it is impracticable to give such protection. During freezing weather or when there is frost in the materials to be used in the masonry, the materials shall be heated. The Contractor shall provide such appliances, subject to the approval of the Engineer, as are necessary for the heating of the stand, stone and other materials.

Section No. 126. 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. 127. 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. 128. 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. 129. 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 specifically provided.

Section No. 130. 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. 131. 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.

Section No. 132. All stone before being laid shall be thoroughly cleaned and if so directed by the Engineer shall be washed.

SUBDIVISION 11.

Concrete.

Section No. 133. 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. The water used in mixing concrete must be clean, fresh water, no salt water being permitted.

Sand.

Section No. 134. Sand for concrete shall be of the kind specified for mortar in Subdivision 9.

Stone.

Section No. 135. 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. If a mixture of gravel and broken stone is used the Engineer may require that the gravel and broken stone be stored separately on the work and mixed in single batches as needed.

Section No. 136. The gravel or broken stone or the mixture of gravel and broken stone 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 (3/8) inch in diameter, and no pieces that will not pass through a hole one and three-fourths (1¾) inches in diameter. Broken stone or gravel for concrete, graded as above, but between three-eighths (3/8) and three-fourths (¾) inch in diameter, may be required and used in special parts of the work.

Rubble Concrete.

Section No. 137. 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 clean, 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 shall be 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. 138. The proportions of cement, sand and stone (or gravel) used in making concrete shall be by volume as cast into the measuring box, and shall be as follows:

Section No. 139. Concrete in floors, sidewalls and roof one (1) part of cement, two (2) parts of sand and four (4) parts of stone.

Section No. 140. Protective concrete outside of waterproofing lines on bottom, sides and roof, one (1) part of cement, two (2) parts of sand and four (4) parts of stone.

Mixing by Machine.

Section No. 141. 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. Concrete shall not be mixed on the surface of the street or decking on the line of the work, unless specifically permitted, but the mixing shall be done as close as practicable to the work so as to avoid too great a lapse of time between the mixing and the placing of the concrete in the forms.

Mixing by Hand.

Section No. 142. 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 cement and sand, 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 four (4) turnings on the mixing board will 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. 143. 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.

Section No. 144. The surface of concrete to which waterproofing is to be applied shall be made smooth at the time of placing and shall be carefully protected from injury by barricades or otherwise until thoroughly set.

Section No. 145. 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.

Section No. 146. Before laying concrete on earth the earth shall be rammed as directed.

Surface for Bonding.

Section No. 147. Wherever a section of concrete is necessarily left unfinished, leaving a surface which will be hard set before additional concrete can be laid, care shall be taken to flush the cement to such surface, and such dovetails or grooves shall be formed as may be necessary to insure a good 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 and placed by the Contractor at his own expense.

Section No. 148. 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. 149. 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. 150. No forms made of wood, and covered with iron will be permitted.

Section No. 151. The joints in forms shall be water-tight. If forms are made of wood the boards shall be tongued and grooved where required by the Engineer.

Section No. 152. Every precaution shall be taken to construct the forms in such a manner as will insure a smooth and even surface on concrete which is to remain exposed; except that on track ceilings through stations, on ceilings over platforms, and on walls within the limits of station finish work, the concrete shall be left with a rough surface to insure a proper bond between it and the station finish plaster which is to be applied under another contract. For obtaining this rough concrete surface, the Contractor shall provide special forms approved by the Engineer.

Section No. 153. 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. 154. 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.

Surface Finish.

Section No. 155. Exposed faces of concrete shall be left with the natural cement finish, the object in view being to obtain a generally smooth finished surface of uniform color. Immediately following the removal of the forms, the removal of the projections and the filling of voids as provided above, the exposed surface shall be rubbed down in such a manner, approved by the Engineer, as will insure this result.

The preceding paragraph of this Section does not apply within station limits.

Impervious to Water.

Section No. 156. 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.

Drip-pans.

The surfaces of drip-pans under ventilating openings and other surfaces which require special provision for drainage shall be troweled.

Measurement and Payment.

Section No. 157. 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 stipulated in Schedule Items 6 and 7, which prices are deemed to include the cost of all scaffolding, centers, forms, etc., and removing the same, all troweling where required, and all other incidental work, labor and material.

SUBDIVISION 12.

Brick Masonry.

Quality.

Section No. 159. 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. 160. Hollow terra cotta blocks or bricks may be required 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 of such thickness and shall be laid in such manner as hereinafter specified or as the Engineer may direct.

Similar terra cotta blocks or bricks may be required in station work.

How Laid.

Section No. 161. All brick masonry shall be laid in mortar of the quality described in Subdivision 9, 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 not exceeding one-quarter (¼) of an inch in the beds, and three-eighths (3/8) of an inch on ends; the bricks to be thoroughly wet before laying and to be completely imbedded 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. 162. 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. 163. 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. 164. 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. 165. 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.

Payments.

Section No. 166. Brick masonry shall be measured to the lines indicated and shown on the drawings or as ordered by the Engineer and will be paid for at the price stipulated in Echedule Item 9 for common brick masonry, Schedule Item 9-A, for vitrified brick masonry and Schedule Item 10, for hollow terra cotta brick or tile masonry of any thickness ordered, except as specified in Section No. 74; these prices shall include the cost of all scaffolding, forms, centres, etc., and the removal of the same, of all plastering and pointing, and of all other incidental work, labor and material.

SUBDIVISION 13.

Stone Masonry.

Where Used.

Section No. 167. Rubble stone masonry may be required by the Engineer for supporting street railroads over the roof of the Railroad where permanent supports are required and at such other places as the Engineer may require.

How Laid.

Section No. 168. 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.

Dry Rubble Masonry.

Section No. 169. In connection with the construction of sewers, or wherever else directed by the Engineer, dry rubble masonry shall be used. It shall consist of sound, clean stone not less than three inches thick and one cubic foot contents laid on natural beds, with such spalls as are required for leveling, and bonded to give the greatest degree of strength.

Section No. 170. 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 if with mortar, and under Schedule Item 8-A if dry.

Other Masonry.

Section No. 171. In case, during the progress of the work stone masonry of a different class than that specified above 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.

SUBDIVISION 14.

Waterproofing.

General Limits of Waterproofing.

Section No. 172. In general, waterproofing of the structure will be limited to the roof 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.

At stations the roof and sidewalls also shall be waterproofed.

Protective Masonry.

Section No. 173. The protective masonry shall be concrete, common bricks or hollow terra cotta blocks as directed, laid and paid for as herein elsewhere provided, and shall be not less than four (4) inches in thickness.

Section No. 174. In places where permanent sheeting is placed at the waterproofing line, the waterproofing, if permitted by the Engineer, may be applied against the sheeting.

Section No. 175. All surfaces to which waterproofing is to be applied shall be made as smooth as possible; on these surfaces there shall be spread hot melted pitch in a uniformly thick layer; on this layer of pitch 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 shall then be applied.

Definition of "Ply" and Number of Plies.

Section No. 176. The term "ply" as used in these specifications shall mean a layer of treated woven fabric (except the dry-ply), both sides of which shall be coated with pitch at the time of laying.

Section No. 177. The number of plies of waterproofing 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.

On the sidewalls at stations the same conditions as in the preceding paragraph shall apply.

Brick in Asphalt Mastic.

Section No. 178. On the sides and bottom of the structure below a line 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; or if the Engineer elects, such one (1) ply of waterproofing and brick laid in asphalt mastic may be carried higher than two (2) feet above mean high water; the number of layers of brick shall 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.

The requirements in the preceding paragraphs of this section likewise shall apply to the roof of the structure within station limits and over the tracks passing through the station within said limits.

Section No. 179. The quality of brick shall be the same as provided in Subdivision 12. The brick shall be properly dried and shall be heated before laying.

Section No. 180. 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. 181. 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.

Section No. 182. Asphalt mastic shall contain not less than one-third (1-3) asphalt, the other ingredients to be sand and limestone dust or sand and cement. The ingredients are to be in proportions governed by local requirements and weather conditions. In melting and mixing the mastic its temperature shall not exceed 350 degrees Fahr. All packages containing asphalt shipped to the work must be distinctly labeled with the manufacturer's name and the brand or number of the mixture.

Leaks Stopped.

Section No. 183. 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.

Pitch.

Section No. 184. Pitch shall consist of either coal-tar or asphalt as the Engineer shall elect; it must be delivered on the work in packages that are plainly marked with the manufacturer's brand, indicating the grade and quality of the material.

Quality of Coal-Tar Pitch.

Section No. 185. The coal-tar pitch shall be straight-run pitch containing not less than twenty-five per centum (25%) and not more than thirty-two per centum (32%) of free carbon, which will soften at approximately 70 degrees Fahr., and melt at 120 degrees Fahr., being a grade in which distillate oils distilled therefrom shall have a specific gravity of 1.05.

Asphalt.

Section No. 186. The asphalt used shall consist of fluxed natural asphalt, or asphalt prepared by the careful distillation of asphaltic petroleum, subject to the approval of the Engineer, but however prepared, it shall comply with the following requirements:

The asphalt shall contain in its refined state not less than ninety-five (95) per centum of bitumen soluble in cold carbon disulphide, and at least ninety-eight and one-half (98½) per centum of the bitumen soluble in cold carbon disulphide, shall be soluble in cold carbon tetrachloride. The remaining ingredients shall be such as not to exert an injurious effect on the work.

The asphalt shall not flash below 350 degrees Fahr. when tested in the New York State Closed Oil Tester. When twenty (20) grams of the material are heated for five (5) hours at a temperature of 325 degrees Fahr. in a tin box two and one-half (2½) inches in diameter it shall not lose over five (5) per centum by weight, nor shall the penetration at 77 degrees Fahr. after such heating be less than one-half (½) of the original penetration.

The melting point of the material shall be between 150 degrees and 175 degrees Fahr., as determined by the Kraemer and Sarnow method.

The consistency shall be determined by the penetration which must be between 75 and 100 at 77 degrees Fahr.

A briquette of the solid bitumen of cross section of one square centimeter shall have a ductility of not less than twenty (20) centimeters at 77 degrees Fahr., the material being elongated at the rate of five (5) centimeters per minute. (Dow moulds.)

All tests herein specified must be conducted according to methods approved by the Engineer.

Penetrations indicated herein, refer to the depth of penetration in hundredth centimeters of a No. 2 cambric needle weighted to one hundred (100) grams at 77 degrees Fahr. acting for five (5) seconds.

Woven Fabric for Waterproofing.

Section No. 187. The fabric to be used shall be a woven fabric which shall have been treated with pitch before being brought on the work. The fabric and the material used in its treatment shall be approved by the Engineer.

Section No. 188. All concrete shall be dry before water-proofing 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 treated felt of approved quality, on the upper surface of which is to be spread the first layer of coal tar pitch or asphalt; the said layer of felt shall then be paid for as a dry-ply, Schedule Item 15 (i).

Each layer of pitch must completely and entirely cover the surface on which it is spread without cracks or blow holes.

Section No. 189. The fabric must be rolled out into the pitch 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 unless otherwise permitted, the ends of the rolls of the bottom layers are carried upon he 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. 190. 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.

Section No. 191. None but competent men, especially skilled in work of this kind, shall be employed to lay the waterproofing.

Section No. 192. Measurements will be made on the basis of actual area covered and the number of plies used, both as ordered by the Engineer, no account being taken of laps, and the waterproofing will be paid for at the prices stipulated in Schedule Item 15.

SUBDIVISION 15.

Steel and Iron.

Section No. 193. Steel shall be made by the open-hearth process.

Chemical and Physical Properties.

Section No. 194. The chemical and physical properties of finished material shall conform to the following limits:

Properties.	Structural Steel.	Rivet Steel.	Steel Castings.
Phos. (Max.)	.04%	.04%	.05%
Sulph. (Max.)	.05%	.04%	.05%
Mn. (Max.)	.60%	.60%	.80%
Si. (Max.)	.10%	.10%	.35%
Ult. Str.	60000±4000	50000±4000	65000 (Min.)
Yield Point (Min.)	55% Ult.	55% Ult.	35000
Elongation, Min. % in 8 inches	1500000	1500000	
	Ult. Ten. Str.	Ult. Ten. Str.	
Elongation, Min. % in 2 inches			20%
Fracture	Silky.	Silky.	Silky, or Fine granular
Cold Bends without Fracture	180° flat.	180° flat.	120° (d.=3t.)

Section No. 195. 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.

Section No. 196. 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, flaws, cracks, defective edges, or other defects. Any imperfection which may develop during the progress of the work will be sufficient cause for rejection.

Steel Castings.

Section No. 197. Steel castings shall be true to pattern and free from injurious imperfections.

Standard Test Pieces.

Section No. 198. Sample pieces for tensile and bending tests of plates, shapes and bars shall be cut from such portions of the finished product of each melt as the Inspector may designate, and shall be stamped by him; they shall have both faces rolled and both edges milled to the usual form of a standard test specimen—one and one-half (1½) inches wide on a gauged length of nine (9) inches—or with both edges parallel. The area of the minimum section shall be not less than one-half (½) square inch.

Test for Angles.

Section No. 199. Angles three-quarters (¾) of an inch and less in thickness shall open flat, and angles one-half (½) of an inch and less in thickness shall bend shut, cold, under blows of a hammer, without sign of fracture. This test shall be made only when required by the Inspector.

Section No. 200. Rivet rods shall be tested as rolled.

Test Pieces for Steel Castings.

Section No. 201. 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.

Section No. 202. Rivet steel, when nicked and bent around a bar of the same diameter as the rivet rod, shall give a gradual break and a fine, silky, uniform fracture.

Treatment of Test Specimens.

Section No. 204. For steel castings the number of tests will depend on the character and importance of the castings. Specimens shall be cut cold from coupons molded and cast on some portion of one or more castings from each melt. The coupons shall be annealed with the castings before being cut off.

Section No. 205. 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. Rolled steel shall be tested in the condition in which it comes from the rolls.

Material which, subsequent to tests at the mills and its acceptance there, develops weak spots, brittleness, cracks or other imperfections, or is found to have injurious defects, will be rejected at the shop and shall be replaced by the manufacturer at his own cost.

If the above tests do not fulfill the requirements of these specifications, duplicate tests may be made at the discretion of the Inspector, he selecting and stamping the duplicate test pieces. If these retests meet all the requirements, the melt shall be accepted.

Variation in Weight.

Section No. 206. A variation in weight or cross-section of any piece of steel of more than two and one-half (2½) per centum 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. 207. Every finished piece of steel shall have the melt number and the name of the manufacturer stamped or rolled upon it. Bars for reinforcing concrete, rivet and lattice steel, and other small parts, may be bundled, with above marks on an attached metal tag.

Test Pieces and Facilities for Testing.

Section No. 208. 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 the necessary labor for testing.

Chemical Analyses.

Section No. 209. Chemical determinations of the percentages of carbon, phosphorus, sulphur and manganese shall be made by the manufacture from a test ingot, so taken, during the casting of each melt of steel as to fairly represent the melt. Two (2) copies of such analyses shall be furnished to the Engineer or his Inspector.

Mill Orders.

Section No. 210. The Engineer shall be furnished complete 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 inspection.

The Engineer shall be furnished complete copies of shipping invoices in triplicate with each shipment. Each invoice shall show the scale weight of each individual piece.

Wrought Iron.

Section No. 211. All wrought iron shall be double rolled, tough, fibrous and uniform in character. It shall be thoroughly welded in rolling and be free from surface defects.

Section No. 212. The methods specified for testing rolled steel shall apply generally to wrought iron. Standard test specimens shall show an ultimate strength of at least fifty thousand (50,000) lbs. per square inch, and an elongation of at least eighteen (18) per centum in eight (8) inches, with fracture wholly fibrous. Specimens shall bend cold with the fibre, through one hundred and thirty-five degrees (135°), without sign of fracture, with inner radius not to exceed the thickness of the piece tested. When nicked and bent the fracture shall show at least ninety (90) per centum fibrous.

Cast Iron.

Section No. 213. Cast iron shall be tough, gray iron made by the Cupola process and shall contain not more than six-tenths (0.6) per centum of phosphorous and not more than twelve one-hundredths (0.12) per centum of sulphur. No mill cinder iron, white or burnt iron or scrap of any kind will be permitted in the composition.

Test Bar.

Section No. 214. The quality of the iron entering into castings shall be determined by means of the "Arbitration Bar." This is a bar 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. This bar shall sustain at the center, when resting upon two dull knife edges twelve (12) inches apart, a load of three thousand (3,000) pounds with a deflection of at least one-tenth (0.1) of an inch before rupture.

Number of Test Bars.

Two (2) sets of two (2) bars shall be cast from each heat; one set from the first and the other set from the last iron entering into the castings. Each set of two bars is to be made in a single mold.

True to Pattern.

Section No. 215. Castings must be sound, true to pattern, free from cracks, flaws, excessive shrinkage, and have smooth, clean surfaces. They must be neatly chiseled and wirebrushed before leaving the foundry. Castings which do not accurately conform to dimensions on the plans will be rejected. Each casting shall have its distinguishing letter or number cast on it at the place indicated on the plans.

Workmanship.

Section No. 216. The workmanship shall be equal to the best practice in modern bridge works.

Shearing and chipping shall be neatly and accurately done and all portions of the work exposed to view neatly finished. All nuts exposed to view on the final structure shall be hexagonal. Lattice bars shall have neatly rounded ends, concentric with rivet holes.

Rods and Bars, Deformed Sections.

Section No. 217. Rods and bars to be used for reinforcing concrete shall be deformed as approved by the Engineer; plain bars will not be used.

Section No. 218. Bent rods shall be bent uniformly to template in a machine or press approved by the Engineer. They may be bent either at the shop or on the work. In special cases bending hot and annealing may be required.

Section No. 219. All material shall be straightened in the shop before being worked in any way, and again straightened after punching and before assembling, if required by the Engineer or Inspector.

Size of Rivets.

Section No. 220. The size of rivets called for on plans shall be understood to mean the actual size of the cold rivet before heating.

Rivet Holes.

Section No. 221. All holes shall be accurately spaced and punched. The diameter of the punch shall be not more than one-sixteenth (1/16) inch greater than the diameter of the rivet. The diameter of the die shall be as small as may be required to punch a clean hole.

Punching.

Section No. 222. Punching shall be accurately done. Drifting to enlarge unfair holes will not be allowed. If the holes must be enlarged to admit the rivet they shall be reamed. Poor matching of holes will be cause for rejection.

Sub-Punching and Reaming.

Section No. 223. Where sub-punching and reaming are required the punch used shall have a diameter not less than three-sixteenths (3-16) inch smaller than the diameter of the rivet. Holes shall then be reamed to a diameter not more than one-sixteenth (1-16) inch larger than the nominal diameter of the rivet. All reaming shall be done with twist drills after the material is assembled and firmly bolted together. The use of lubricants in reaming is not allowed.

Drilling.

Section No. 224. 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.

Sheared Edges.

Section No. 225. Sheared edges of plates, exceeding five-eighths (⅝) of an inch in thickness in main members, shall be planed at least one-eighth (⅛) of an inch.

Burrs Removed.

Section No. 226. All burrs on rivet holes shall be removed.

Assembling.

Section No. 227. Riveted members shall have all parts well pinned up and firmly drawn together with bolts before riveting is commenced. Contact surfaces shall be painted.

Riveting.

Section No. 228. 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 one-half (½) the diameter of the rivet on the line of the shank, unless countersunk. Loose, burned or otherwise defective rivets shall be cut out and replaced. In cutting out defective rivets great care shall be taken not to injure the adjacent material. If necessary they shall be drilled out.

Distances from center of rivet to edge of sheared plate shall be not less than 1¼" for ¾" rivets and 1⅜" for ⅞" rivets; distances from center of rivets to a rolled edge shall be not less than 1⅛" for ¾" rivets and 1¼" for ⅞" rivets. The minimum pitch for ¾" rivets shall be 2½" and for ⅞" rivets 2⅞". When material is subpunched and reamed the pitch for ¾" rivets may be made 2¼" and for ⅞" rivets 2⅝".

Use of Bolts.

Section No. 229. 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, with the threads entirely outside of the holes. Washers not less than one-quarter (¼) inch thick shall be used under the nuts. Bolts must be thickly coated with red lead paint before insertion, so as to seal the hole against moisture.

Templates.

Section No. 230. All holes for field rivets except those in connection of lateral and sway bracing shall be sub-punched and accurately drilled to an iron template, fitted with bushings, 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 ends shall be brought to a forcible bearing.

Finished Members.

Section No. 231. Finished members shall be true and free from twists, bends or open joints. Ends of floor beams and stringers shall be faced square and true.

Rods Upset.

Section No. 232. 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. 233. Steel, except in minor details, which has been partially heated, shall be properly annealed. All steel casting shall be annealed. Welds in steel will not be allowed.

Abutting Surfaces Faced.

Section No. 234. All abutting surfaces shall be accurately planed or faced, so as to insure even bearings, except where otherwise noted on the plans.

Stiffeners—Splice Plates and Fillers.

Section No. 235. Stiffeners of plate girders shall be faced on the ends and brought to a true contact bearing with 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.

Web Plate Projections.

Section No. 236. Web plates must not project beyond the flange angles or be more than one-quarter (¼) inch back of face of angles.

Bed Plates Planed.

Section No. 237. Expansion bed plates shall be planed true and smooth. The finishing cut of the planing tool shall be fine and correspond with the direction of expansion.

Details Boxed and Weight Marked.

Section No. 238. Nuts, bolts, rivets and other similar material shall be boxed.

Section No. 239. The scale weight shall be plainly marked upon every piece and box.

Inspection.

Section No. 240. Free access and information shall be given by the Contractor for a thorough inspection of material and workmanship.

Section No. 241. 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.

Section No. 242. The Contractor shall be responsible for all errors which can be discovered by checking or examining the drawings.

Section No. 243. 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. 244. All parts shall be carefully loaded and protected from injury 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 before the final acceptance of the work may be rejected.

Payment for Steel.

Section No. 245. Payment for steel will be made at the prices stipulated in Schedule Items 19, 20 and 21. Schedule Item 20 shall include all single beams or shapes, whether milled or otherwise, with or without connections or other end details. These prices shall include the cost of material delivered and erected in the work, 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 weight actually placed in accordance with the drawings or orders.

Payment for Miscellaneous Castings.

Section No. 246. For miscellaneous castings, but not including castings for sewer work or pipes, payment will be made at the price stipulated in Schedule Item 25, which price includes the cost of material delivered and erected in the work, also the cost of all necessary cleaning and painting (where painting is required) and of all other incidental work, labor and material.

Special Wire Forms.

Section No. 247. Special wire forms, of a type and weight to be approved by the Engineer, are to be furnished and placed around the flanges of beams and girders which are to be completely encased in concrete and at such other places as may be required, in order to hold the concrete in place.

Section No. 248. Special wire forms, wherever used, will be paid for at the price stipulated in Schedule Item 26, which price shall include the cost of material in place and all work necessary and incidental thereto.

SUBDIVISION 16.

Painting.

Section No. 249. All metal work, excepting as otherwise herein provided, shall be painted with three (3) coats of paint, as follows: shop coat, second coat and finishing coat.

The finishing coat will be a gray paint if adjacent to concrete, otherwise a black paint.

Inspection.

Section No. 250. Paint shall be subject to inspection at the place of manufacture and to such tests as may be ordered by the Engineer. The Engineer shall have access, at all times, to all places to inspect the methods of manufacture, and shall have liberty to inspect the daily laboratory records and analyses of all such paints as are subject to his inspection.

The Contractor shall furnish all facilities required for the proper inspection of the paint and its manufacture. All containers will be sealed by the Inspector at the time of inspection.

Proportions by Weight.

Section No. 251. All proportions mentioned in this specification are by weight except when otherwise noted.

Formulae.

Section No. 252. The paint formulae are as follows:

Paint Formulae.

			Finishing Coat.	
	Shop Coat.	Second Coat.	Gray.	Black.
Pigment	500 pounds	49%	57%	26%
Vehicle	16½ gal.	51%	43%	74%

Vehicle Formulae.

		Finishing Coat.	
	Second Coat.	Gray.	Black.
Raw linseed oil 2/3 by volume	90%	92%	92%
Drier	10%	8%	8%

Pigment Formulae.

			Finishing Coat.	
	Shop Coat.	Second Coat.	Gray.	Black.
Red lead	100%	30%	..	25%
Red iron oxide	..	42%	..	..
Lampblack	..	5%	*	50%
Magnesium silicate	..	10%	..	10%
Silica	..	13%	10%	15%
Sublimed white lead	..	..	60%	..
White zinc	..	..	30%	..

*Use sufficient lampblack to make standard shade.

The standard weight of second coat shall be 12 pounds 10 ounces, per gallon.

The standard weight of finishing coat (gray) shall be 14 pounds 6 ounces, per gallon.

The standard weight of finishing coat (black) shall be 9 pounds 5 ounces, per gallon.

Preparation of Paint.

Section No. 253. The shop coat of paint shall be mixed as needed, in such quantities as can be used before it thickens in the container. Any paint which settles and thickens before use shall be rejected and a new paint mixed.

The second and finishing coats shall be furnished in a ready mixed form and shall be used without the subsequent addition of any material.

All paints must be properly prepared, using only the specified materials in the proportions stated, with an allowable variation therefrom of not over two per centum (2%) in the quantity of any material therein. The paint must not vary more than four (4) ounces per gallon from the standard weight.

Linseed Oil, Drier and Turpentine.

Section No. 254. Raw linseed oil shall conform to the specifications of the American Society for Testing Materials for the purity of raw linseed oil from North American seed, adopted August 25, 1913.

Boiled linseed oil shall be made of pure linseed oil heated with lead and manganese salts and shall comply with the following requirements:

Specific gravity at 60° F., minimum	.934
Iodine value (Hanus), minimum	175
Unsaponifiable matter, maximum	1.6%
Fatty acids, maximum	3%
Ash, maximum	0.4%
Moisture, maximum	0.5%
Flash point, minimum	527° F.
Bromine addition number, minimum	105
Bromine substitution number (30) minutes maximum	5
Foots, maximum	1.25%

When boiled linseed oil is flowed over a plate of glass and allowed to drain in a vertical position, it must dry free from tackiness in fifteen (15) hours at 70° F.

The drier shall be a pure oil drier consisting of lead and manganese salts dissolved in linseed oil and thinned with turpentine as follows:

15 pounds of manganese dioxide plus 10 pounds of varnish makers' red lead, to 50 gallons of oil, boiled to proper consistency and thinned with 50 gallons of turpentine.

Turpentine shall conform to the proposed specification of the American Society for Testing Materials.

Red Lead for Shop Coat.

Section No. 255. Red lead for the shop coat shall be of the best quality, free from all adulteration and shall contain not less than 80% nor more than 90% true red lead (Pb3 O4), not over 1% inert hearth materials (such as silica and alumina) and not more than 0.1% metallic lead; the remainder shall be pure lead monoxide (PbO). It must contain no organic coloring matter and when shaken up with water shall show no alkaline reaction. It shall be of such fineness that 99½% will pass through a standard 200 mesh sieve.

Red Lead for Second and Finishing Coats.

Red lead for the second and finishing coats shall be of the best quality, free from all adulteration and shall contain not less than 85% true red lead (Pb3 O4), not over 1% inert hearth materials (such as silica and alumina) and not more than 0.1% metallic lead; the remainder shall be pure lead monoxide (PbO). It must contain no organic coloring matter, and when shaken up with water shall show no alkaline reaction. It shall be of such fineness that 99½% will pass through a standard 200 mesh sieve.

Lampblack.

Dry lampblack must be absolutely neutral and contain at least 98%, by weight, of pure carbon. The tinting power of lampblack used in the finishing coat must be the same as the standard sample.

Magnesium Silicate.

Magnesium silicate shall be a finely ground material of crystalline structure and shall equal the standard sample.

Silica.

Silica shall be ground from rock crystal and water floated. It shall be 99% pure silica (SiO2) and shall be of such fineness that 99% shall pass through a standard 200 mesh sieve. It shall equal the standard sample.

Red Iron Oxide.

Red iron oxide shall contain at least 85% ferric oxide, the remainder to consist of silicates. The oxide shall contain no soluble sulphates, no free acids, shall give a neutral reaction and shall contain not over 0.1% sulphur in any form. It shall be free from grit and shall equal the standard sample in shade, quality and tinting power.

Sublimed White Lead.

Sublimed white lead shall be a true basic sulphate of lead containing not less than 15% combined lead monoxide (PbO), not over 5% zinc oxide (ZnO), and shall contain not more than .075% free sulphur dioxide (SO2). Sublimed white lead shall equal in whiteness, fineness, body and covering qualities the standard sample.

White Zinc.

White zinc shall be "American process," and shall contain at least 98%, by weight, oxide of zinc (ZnO), not more than 0.2% of sulphur in any form, nor more than .075% free sulphur dioxide (SO2). White zinc shall equal in whiteness, fineness, body and covering qualities the standard sample.

Fineness, Second and Finishing Coats.

Section No. 256. The paint for the second and finishing coats shall be so finely ground that it will pass each of the following tests:

(a) When a small amount is placed upon a piece of glass and the glass placed in a vertical position, there shall be no separation of the oil from the pigments for at least one hour. This test is to be conducted at 70° F.

(b) Take a ⅝ inch test tube and fill with pure raw linseed oil to a height of 3½ inches and add paint until the height of the oil is five (5) inches from the bottom. Cork, shake well and let stand in a vertical position for two (2) hours. The opaque mass must not have settled down more than ½ inch and there must be no separation of the coarser particles in the bottom of the test tube. This test is to be conducted at 70° F.

(c) At least 98% of the extracted pigment shall pass through a standard 200 mesh sieve.

(d) When rubbed with a spatula on a piece of glass there shall be no feeling of grittiness.

Section No. 257. By standard 200 mesh sieve is meant the 200 mesh sieve described in the specifications of the American Society for Testing Materials for Portland Cement, adopted August 16, 1909.

Color.

Section No. 258. The shade of the gray finishing coat shall match the shade of the standard sample.

Drying.

The paint shall dry under normal conditions, dust free, in twelve (12) hours, and so as to be satisfactorily recoated in not less than twenty-four (24) nor more than forty-eight (48) hours.

Water.

The amount of hydroscopic moisture in the finished paint shall not exceed 0.5 per cent.

Rosin.

There shall be no rosin in the paint as indicated by the Liebermann-Storch reaction.

Working Quality.

Section No. 259. The paint shall not liver nor curdle and shall cover properly and work freely under the brush. The pigment shall remain in suspension in a satisfactory manner.

Tests.

Section No. 260. Tests will be made against standard samples. Such analyses as required will be made by the Engineer.

Due to the cost of inspection, the Contractor will be required to obtain paint which is made within a reasonable distance from New York, and in as large quantities as practicable. By distance from New York is meant the distance by railroad of the paint factory from Manhattan Island. The maximum factory distance is shown in the following tables:

For quantities of less than 250 gallons made at one time, 25 miles.
For quantities of 250 to 500 gallons made at one time, 100 miles.
For quantities of 500 to 1500 gallons made at one time, 200 miles.
For quantities over 1500 gallons made at one time, 700 miles.

Samples of standard ingredients, and of the finished paints are on file in the office of the Engineer. Paints and their ingredients shall conform to these standard samples. The contractor shall submit separate samples of all ingredients intended for use in the paints, and upon approval of same, shall then submit two one pint samples of paint for approval.

In those details where no special instructions are given, the paint and its manufacture shall conform to the best accepted practice.

All materials for shop coat shall be delivered, inspected and sampled in their original packages.

Shop Coat.

Section No. 261. All iron shall be scraped free from scale and rust, and receive one coat of red lead paint as herein specified, before leaving the shop. 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. If the Engineer so directs, the shop coat will be omitted on members or parts of members to be buried in concrete.

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.

Structural Steel and Rods.

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 scale and rust removed before being incased in the concrete. Rods shall not be painted.

Field Painting.

After erection the metal shall be thoroughly cleaned of all dirt, rust or scale by stiff wire brushes or sand blast, as directed, and afterwards dusted. The Engineer may require that all steel after cleaning shall be wiped with a cloth dipped in a mixture composed of one-half (½) benzine and one-half (½) turpentine. When the above mixture has practically dried but before becoming absolutely dry, the steel shall be thoroughly and evenly painted with the second coat prescribed herein. No paint shall be applied until the cleaning has been passed upon by the Inspector.

Finishing Coat, When Applied.

The finishing coat shall be applied at such time after the application of the second coat and before final acceptance of the work, as in the judgment of the Engineer shall be advisable. All steel work adjacent to concrete, such as flanges of roof beams, exposed surfaces of wall columns, shall be painted with the gray finishing coat. All other steel work shall be painted with the black finishing coat. The finishing coat will be applied between stations only; at stations a third coat will not be required under this contract.

Surfaces in Contact.

Section No. 262. Surfaces of exposed members inaccessible after erection, shall be cleaned and painted before erection.

Recesses.

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.

Surfaces Close Together.

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.

Workmanship.

Section No. 263. All paint shall be well brushed out so as to show a smooth even film of uniform thickness. Round brushes shall be used exclusively in applying paint, except that the Engineer may permit the use of flat brushes on large flat surfaces only.

Rainy or Freezing Weather.

Section No. 264. Painting in rainy or freezing weather or on wet or damp surfaces will not be permitted.

Section No. 265. Payment for painting is included in the prices for steel and iron.

SUBDIVISION 17.

Drains and Pumps.

Section No. 266. Every part of the Railroad must, so far as possible, be so arranged that any water finding access thereto will be led automatically to the City sewers.

Floor of Railroad as Conduit.

Section No. 267. 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 subdrains lying beneath the Railroad and draining into the sewers.

Sub-drains.

Section No. 268. 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 drains shall be of such diameter not exceeding twelve (12) inches, as the Engineer may direct. 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. 269. 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. 270. Broken stone shall be placed for the purposes of drainage, as indicated on the drawings or as required by the Engineer.

Sumps.

Section No. 271. 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 sub-drains or the floor of the Railroad. Such sumps must be watertight, with a capacity of not less than eight hundred (800) gallons each.

Pumps.

Section No. 272. Adjacent to each sump a suitable enclosure shall be provided in which two (2) pumps shall be placed, each of which shall have ample capacity to remove all the water entering the sump at that point under ordinary conditions. These pumps shall be arranged to operate automatically. Under this contract the Contractor will furnish only the pumps required and set them in place as directed, including the necessary pipe and drainage connections between the sumps and sewers.

Capacity.

Section No. 273. 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.

Discharge to Sewers, Etc.

Section No. 274. The discharge 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.

Section No. 275. All drains shall be measured in place and the actual net length as laid for each class of drain will be paid for at the prices stipulated in Schedule Items 17 and 17-A. These prices will be deemed to 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 and necessary net cost of such valves plus ten (10) per centum.

Payment for Broken Stone.

Section No. 276. For broken stone for drainage, furnished and placed as prescribed in Section No. 270, payment will be made at the price stipulated in Schedule Item 14.

Payment for Pumps.

Section No. 277. For pumps as prescribed in Section No. 272, including the pipe connections with sumps and sewers, the Contractor will be paid as provided in Article XII.

The station drainage also must be arranged for as prescribed in Section No. 269.

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 drawings and will be paid for at the price stipulated in Schedule Item 34.

SUBDIVISION 18.

Sewers.

Section No. 278. All sewers and appurtenances shall be built of the materials, to 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 drawing.

Change of Location.

Section No. 279. 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 subsurface 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. 280. The general clauses in this contract relating to excavation, backfilling, cement, mortar, masonry, waterproofing, piling, timber work of all kinds, care of streets and public places, maintenance of surface, subsurface and overhead 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, both along the route occupied by the Railroad and elsewhere, except as herein otherwise *expressly* provided.

No Claims for Damages.

Section No. 281. 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 sewers not being in the condition contemplated by the parties at the time of making this contract.

Size of Trenches.

Section No. 282. The trenches for sewers and basin culverts, in streets off the route of the Railroad, shall have vertical sides and shall be six (6) inches wider on each side than the greatest external width of the sewer or culvert, but shall be not less than three (3) feet in width.

In streets along the route of the Railroad the trenches shall be six (6) inches wider than the greatest external width of the sewer or its foundations, on the side farthest away from the subway, but in no case will a width be allowed greater than that specified for sewers off the line of the Railroad. Trenches 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. 283. Not more than one hundred (100) feet of trench in sewers off the line of the Railroad shall be opened at any time in advance of the sewer already completed, unless by permission of the Engineer and then only for such distances as he shall specify.

Excavation Completed in Advance.

Section No. 284. 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. 285. Where the foundation for a manhole or a receiving basin extends beyond the line of such manhole or receiving basin, the excavation required 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 (6) inches larger than the greatest external dimension of the manhole or receiving basin.

Foundations.

Section No. 286. 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.

Testing of Grades.

Section No. 287. 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 the Inspector, and no construction work shall be done in his absence.

Trenches to Be Kept Free from Water.

Section No. 288. 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.

Gutters and Passageways to Be Kept Open.

Section No. 289. 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 pedestrians, and as otherwise provided in these specifications.

Cross-Walks, Sidewalks and Roadways to Be Kept Clear.

Section No. 290. Where any cross-walks 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. 291. 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 obstructions.

Flow of Sewers to Be Maintained.

Section No. 292. 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 points. Wooden troughs for such connections will not be permitted.

Quality of Brick for Sewers.

Section No. 293. 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 (2) rings of bricks are required.

How Laid.

Section No. 294. 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 shall be carefully struck on the inside.

Section No. 295. 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. 296. 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. 297. The arches or upper curves shall be formed on strong centers 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 (1) inch thick, mixed in the proportion of one (1) part of cement to two (2) parts of sand. The centers shall not be removed or withdrawn in less than thirty-six (36) 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 (1) foot above the crown of the arch. The centers 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 centers are removed, so much of the work as the Engineer may require shall be taken down immediately and replaced.

Spurs.

Section No. 298. Vitrified or cast-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 (6) inches interior diameter with hubs moulded for house connections, and of sufficient length to project at least four (4) 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 drawing, or as the Engineer may direct.

How Built in.

Section No. 299. Spurs shall be built in wherever similar house conections exist in the present sewer which is to be reconstructed under this contract, but in no case shall the distance be more than twenty (20) feet between spurs. In the case of the construction of new sewers where no sewers existed previously, except sewers crossing intersecting streets, they shall be built opposite each house, and where there are no houses, they shall be not more than fifteen (15) 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 Chain Spurs.

Section No. 300. Where the sewers to be built under this contract will be at a depth greater than thirteen (13) 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 or bends, of the design shown on the drawings, not less than six (6) 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 (13) 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 Another Structure.

Section No. 301. Wherever the sewer passes under another structure, extra heavy soil pipe shall be laid from the spur to the outside of such structure, brought up to a point thirteen (13) 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 May Be Substituted for Brick.

Section No. 302. 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. 303. Concrete sewers shall be reinforced with steel bars, if so indicated on the drawings or directed by the Engineer.

Profiles and Inverted Centers for Inverts.

Section No. 304. 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. 305. 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. 306. 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 sidewalls and roof while the same is being rammed into the permanent work.

Defective Work.

Section No. 307. If any irregular or defective work is discovered upon removing the forms or moulds, such work shall be cut out and the space, also any void spaces, filled with a rich concrete or mortar mixed in such proportions and of such materials as are provided elsewhere in these specifications.

Joints.

Section No. 308. 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. 309. 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.

Section No. 310. Tile pipe sewers shall be built of vitrified, salt glazed stoneware pipe, with extra deep and wide sockets and corrugated spigot ends. 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 in which the work is located, at any time previous to its being used.

Limensions.

Section No. 311. The size of the pipes shall be designated by their interior diameters. Each pipe shall be a true cylinder, of even thickness throughout, and shall conform to the following scheduled dimensions:

Double Strength Tile Pipe; Extra Deep and Wide Sockets.

Diameter.	Thickness of Shell.	Depth of Socket.	Length of Plain, Straight Pipe.	Weight of Pipe Per Foot.	Annular Space.
6 inches	5/8 inch	2½ inches	2 feet	16 pounds	5/8 inch
8 inches	¾ inch	2¾ inches	3 feet	25 pounds	5/8 inch
10 inches	7/8 inch	2¾ inches	3 feet	37 pounds	5/8 inch
12 inches	1 inch	3 inches	3 feet	45 pounds	5/8 inch
15 inches	1¼ inch	3 inches	3 feet	75 pounds	5/8 inch
18 inches	1½ inch	3¼ inches	3 feet	118 pounds	5/8 inch
20 inches	1⅔ inch	3½ inches	3 feet	148 pounds	5/8 inch
22 inches	1⅝ inch	3¾ inches	3 feet	157 pounds	5/8 inch
24 inches	2 inches	4 inches	3 feet	190 pounds	5/8 inch

"Specials."

Section No. 312. All "special" vitrified pipe shall conform to the dimensions given for plain, straight pipe.

Spur Pipes.

Section No. 313. Pipes having spurs not less than six (6) inches in diameter with hubs moulded thereon for house connections shall be furnished and laid at such points as indicated on the drawings 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. 314. The provisions for risers on brick sewers shall also apply to to pipe sewers.

Pipe Sewers; How Laid.

Section No. 315. All pipes shall be laid in concrete cradles of the required form and dimensions. The minimum thickness of concrete under the outside of the shell, or barrel, shall be six (6) inches. The first layer of concrete shall be for the full width of the cradle, and deposited continuously to the height of the outside bottom of the shell of the pipe; before the concrete has set the pipe shall be firmly bedded therein true to line and grade and the remainder of the concrete immediately deposited and carefully tamped in such a manner as to avoid disturbing the sewer. 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 (15) feet of pipe shall be laid at any one time, in any one length of trench, and it shall be exposed for at least twenty-four (24) hours for inspection.

Joining Hub and Spigot Pipes.

Section No. 316. Before inserting the spigot end of the pipe into the hub or socket, the lower half of each socket shall be plastered on the inside with a layer of cement mortar mixed in the proportion of one (1) part of cement to one and one-half (1½) parts of sand and of a sufficient thickness to bring the inverts of the abutting pipes flush and even with the established flow line. After pipes are fitted, the space between the inside of the upper half of each socket 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 to a smooth bevel outside, and all mortar that may be left on the inside of the pipe must be thoroughly removed and the inside of the pipe left clean and smooth throughout.

The ends of pipes which enter masonry shall be neatly cut to fit the face of the masonry. When directed, such cutting shall be done before the pipes are built in.

Iron Pipe Sewers.

Section No. 317. Sewers of iron pipe, of the quality and laid in the manner described elsewhere in these specifications for the laying of water mains, shall be laid wherever indicated on the drawings or at such places as the Engineer shall direct.

Special Castings.

Section No. 318. Wherever such pipes are laid 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 drawings to be furnished by the Engineer.

Ventilation.

Section No. 319. Whenever, in the opinion of the Engineer, it becomes necessary to provide ventilation for sewers under other structures, iron pipe shall be laid from the sewer to the surface of the street and fitted with proper gratings according to the drawings to be furnished by the Engineer.

Connections.

Section No. 320. 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 (8) inches in thickness and of the quality specified for brick masonry.

Fresh Work to be Protected.

Section No. 321. 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 backfilling, will be allowed until there is at least two and one-half (2½) feet of earth over them.

Pipes to be Kept Clean.

Section No. 322. 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 (2) joints from the end of the pipe last laid, shall be continuously worked through.

Exposed Ends of Pipes to be Protected.

Section No. 323. 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. 324. 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 no less than eight (8) 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 (8) 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 (1) inch in thickness, mixed in the proportion of one (1) part of cement to two (2) parts of sand.

Foundations.

Section No. 325. The foundations for manholes shall be of concrete or masonry of the kind indicated on the drawings and shall be not less than twelve (12) inches below the invert elevation of the sewer, except as otherwise indicated on the drawings. When foundation additional to that indicated on the drawings is required, it shall be built as directed by the Engineer.

Pipe Connections.

Section No. 326. 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. 327. The invert shall be built of vitrified brick, granite paving blocks or concrete masonry, as indicated on the contract drawings.

Use of Bats.

Section No. 328. 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. 329. 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 (2) feet above the bench at the bottom of the manholes nor more than two (2) 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. 330. Hammer-dressed bluestone shall be furnished and laid of the form and thickness required as indicated on the drawings or as otherwise directed.

Manhole Heads and Covers.

Section No. 331. 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 removed at once from the work.

Perforations.

Section No. 332. 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. 333. 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. 334. 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 Heads in Vaults.

Section No. 335. All manholes in vaults or other structures shall be provided with sealed manhole heads and covers according to the design indicated on the drawings.

Emergency Manholes.

Section No. 336. Where a sewer crosses under the Railroad, emergency manholes shall be provided when directed by the Engineer and according to drawings to be furnished by him.

Manholes to be Completed.

Section No. 337. 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. 338. Receiving basins shall be built as located on the drawings or as the Engineer shall direct and in accordance with the drawings to be furnished. Each portion of the basin shall be built to the size and of the 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. 339. The foundations for receiving basins shall be of concrete or masonry of the kind indicated on the drawings and shall extend not less than twelve (12) inches below the finished floor of the basin, except as otherwise indicated on the drawings. When additional foundation is required, it shall be built as directed by the Engineer.

Stone Flooring.

Section No. 340. The flooring shall be of hammer-dressed North River bluestone flagging, not less than three (3) inches thick, in not more than two (2) pieces, and shall be well set in full bed of mortar and rammed into place. The floor may be finished with cement mortar mixed in the proportion of one (1) part of cement to one (1) 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 (1) inch in thickness.

Headstone and Gutter Stone.

Section No. 341. Where head stone and gutter stone are required they shall be of sound, durable granite of the dimensions indicated on the drawings, 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 drawings shall be set instead of the above when required.

Cast-Iron Cover.

Section No. 342. A cast-iron cover of approved pattern weighing not less than eighty (80) nor more than ninety-five (95) pounds shall be fitted to the opening in the head stone.

Grate Bar.

Section No. 343. A grate bar made according to the drawings shall be fastened solidly into the head stone in the manner indicated.

Cast-Iron Trap.

Section No. 344. A cast-iron trap of the form and dimensions indicated on the drawings free from imperfections and properly coated with coal-tar pitch varnish shall be furnished and built into place as directed by the Engineer.

Joints.

Section No. 345. The joints shall be tightly fitted with an oakum gasket or with cement mortar if so directed.

Iron Steps.

Section No. 346. Galvanized iron steps of the same design required for manholes shall be built into the walls.

Culvert Pipe.

Section No. 347. The culvert pipe for connections with sewers shall be twelve (12) inch vitrified pipe unless otherwise indicated on the drawings, 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. 348. Automatic flush tanks of a type approved by the Engineer shall be built where indicated on the drawings or where directed by the Engineer.

Waterproofing.

Section No. 349. Whenever, in the opinion of the Engineer, it is necessary to waterproof a sewer, chamber or receiving basin, or its appurtenances, it shall be done as indicated on the drawings or as directed by the Engineer and in the manner described elsewhere in these specifications.

Mortar.

Section No. 350. All masonry shall be laid in Portland cement mortar of the quality described in Subdivision 9. 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. 351. All concrete for sewers shall be made in the proportion of one (1) part of cement to two (2) parts of sand and four (4) parts of stone of the quality described in Subdivision 11.

Paving.

Section No. 352. On the completion of each section of one hundred feet of sewer, the sidewalks and roadways shall be restored as provided under Subdivision 22.

Permit for Connections.

Section No. 353. 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 sewage into any sewer being constructed under this contract before its final completion.

Thoroughly Cleaned.

Section No. 354. 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. 355. Payment for sewers will be made for sewer complete at the prices stipulated in Schedule Items 37, 38, 39, 40, 40-A, 41, 45, 46, 49, 53, 55, 56, 56-A and 57, except as is hereinafter specifically provided in Section No. 361 with respect to cast-iron pipe sewers and other sewer construction for which no prices are provided in the Schedule of Unit Prices on a lineal foot basis. The price for each class of sewer as stipulated in Schedule Items 37, 38, 39, 40, 40-A, 41, 45, 46, 49, 53, 55, 56, 56-A and 57 is per lineal foot of sewer complete and includes compensation for all the work, labor and material applicable thereto as given in Sections Nos. 278 to 354, inclusive, and as otherwise provided in this contract and as indicated on the drawings, except is is specifically provided in Sections Nos. 356, 357, 358 and 359.

Excavation.

Section No. 356. In addition to the price for completed sewer, as above provided, excavation will be paid for at the price stipulated for in Schedule Item 2-A (which price shall include compensation for all the matters referred to in Section No. 92), on the basis of size of trench stipulated in Sections Nos. 282 and 285. Payment for street surface restored shall be as provided in Schedule Item 30.

Steel Beams and Reinforcing Rods.

Section No. 357. Where steel beams or reinforcing rods are required and ordered, such beams and rods will be paid for, in addition to the price stipulated for the sewer, at the price stipulated for furnishing and placing such material and all work incidental thereto in Schedule Item 20 or 21.

Automatic Flush Tanks.

Section No. 358. Where automatic flush tanks are built as provided in Section No. 348 they will be paid for as provided in Article XII.

Waterproofing.

Section No. 359. Where waterproofing is required and placed in accordance with Section No. 349 it will be paid for at the price stipulated in Schedule Item 15 or 16.

Cast-iron Pipe.

Section No. 361. All cast-iron pipe sewers wherever built and all other sewer construction for which no prices are provided in the Schedule of Unit Prices on a lineal foot basis will be paid for at the prices stipulated in the Schedule of Unit Prices for the various classes of work and materials entering into the construction of such cast-iron pipe sewers or of such other sewer construction.

Payment for cast-iron sewer pipe used in the construction of cast-iron pipe sewers will be made at the prices stipulated in Schedule Items 42 and 43.

Manholes and Receiving Basins.

For all manholes or receiving basins constructed in connection with cast-iron pipe sewers or other sewers for which no prices are provided in the Schedule of Unit Prices on a lineal foot basis, the cast-iron, wrought iron or steel furnishings (except pipes), will be paid for at the price stipulated in Schedule Item 25-C, which item, however, is applicable only to the class of work covered by this section.

Twelve-inch standard iron sluice gates will be paid for at the price stipulated in Schedule Item 74-H.

All extra heavy soil pipe for drains and connections made necessary by the construction of cast-iron pipe sewers or other sewer construction for which no prices are provided in the Schedule of Unit Prices on a lineal foot basis will be paid for at the price stipulated in Schedule Item 17-A.

House Connections.

Section No. 362. Compensation for maintaining, supporting or constructing all house or other drainage connections made necessary by the construction of cast-iron pipe sewers or other sewer construction for which no prices are provided in the Schedule of Unit Prices on a lineal foot basis is included in the prices stipulated in the Schedule for the several classes of work and materials entering into the construction of such cast-iron pipe sewers and of such sewer construction.

Sewers Under Station Platforms.

Wherever a sewer passes under a station or station platform, all the requirements with respect to extra heavy soil pipe, special manhole castings, ventilating pipes, and

sealed manhole covers, as included in Sections Nos. 301, 318, 319 and 335 respectively, apply in every respect.

SUBDIVISION 19.

Requirements for Pipes.

Section No. 363. 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. 364. The pipes shall be circular cylinders, with the inner and outer surfaces concentric, and of the full interior diameter required.

Hub and Spigots.

Section No. 365. 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.

Workmanship.

Section No. 366. 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 end exceeds one-eighth (⅛) of an inch, or whose dimensions differ by more than one-eighth (⅛) of an inch from those required.

Interior Diameter.

Section No. 367. The pipes shall be designated by dimensions of the interior diameter.

Lugs, Etc.

Section No. 368. Bands, lugs, buttons, or ribs of such forms and dimensions as the Engineer may direct, shall, if required, be cast on the pipes.

Length of Pipe.

Section No. 369. The straight pipe shall be twelve (12) feet long, exclusive of hub; other pipe as may be directed.

Straightness.

Section No. 370. All straight pipes shall be straight in the direction of the axis of the cylinder.

Thickness and Weight.

Section No. 371. 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, per twelve (12) foot length, shall be as follows:

60-inch pipes	special
48-inch pipes	9,886 pounds each
42-inch pipes	special
36-inch pipes	5,920 pounds each
30-inch pipes	4,460 pounds each
24-inch pipes	2,965 pounds each
20-inch pipes	1,979 pounds each
16-inch pipes	1,458 pounds each
12-inch pipes	1,018 pounds each
8-inch pipes	542 pounds each
6-inch pipes	416 pounds each

Section No. 373. 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. 374. 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.

Variation in Weight.

Section No. 375. Any straight pipe the weight of which is deficient by more than the following stated percentages of the standard weight, will be rejected:

For pipe 16 inches or less in diameter, 5 per cent.

For pipe over 16 inches in diameter, 4 per cent.

Excess weight in any one pipe not to exceed the above stated percentages will be paid for. The total weight, however, to be paid for shall not exceed for each size of pipe received, the sum of the standard weights of the same number of pieces of the given size, by more than two per centum (2%).

(The term "Standard Weight" as above used in connection with straight pipe shall be taken to mean the standard weight corresponding to the actual laying length of the pipe as furnished.)

Variation in Weight of Special Castings.

Any special casting the weight of which is deficient by more than the following stated percentages of the standard weight will be rejected:

For special castings 12 inches or less in diameter	10%
For special castings over 12 inches in diameter	8%

Excess weight in any one special casting, not to exceed the following stated percentages, will be paid for:

For special castings 12 inches or less in diameter	8%
For special castings over 12 inches in diameter	6%

The total weight, however, to be paid for shall not exceed for the special castings received, the sum of the standard weights of the same number of special castings, by more than five per centum (5%).

Straight Pipe Cast Vertically.

Section No. 376. All straight pipes shall be cast vertically, and all pipes 12 inches or more in diameter shall be cast with the hub end down.

Clean and Smooth.

Section No. 377. 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. 378. All the castings shall have 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, 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, 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. 379. 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. 380. The castings shall be free from scoria, sand holes, air bubbles, and other defects and imperfections.

Castings to Be Cleaned.

Section No. 381. 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. 382. Every pipe, branch and special casting shall be carefully coated inside and out with coal-tar 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. 383. 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. 384. 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.

Temperature of Castings.

Section No. 385. 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. 386. No casting shall be dipped until the 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. 387. 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. 388. 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. 389. 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. 390. 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. 391. The spigot 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.

Section No. 392. The lead to be used shall be of the best quality of pure, soft lead, and in every respect suitable for the purpose.

Notice Regarding Cutting of Connections.

Section No. 393. 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.

Section No. 394. 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. 395. Stop cocks, boxes, branches, curved pipe, and other specials according to the standards of the Department of Water Supply shall be set where necessary.

Specifications of Owners Apply.

Section No. 396. For gas pipes, water pipes, and any 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.

SUBDIVISION 20.

Railroad and Tunnel Ducts

Section No. 397. The ducts to contain cables for transmitting electricity for the operation of the Railroad shall be of the one-way form with circular holes.

Tunnel ducts are those incorporated in the Railroad structure, all others for use in connection with the Railroad are termed Railroad ducts.

Dimensions.

Section No. 398. The dimensions and form of each piece shall conform to the following requirements:

The length of one-way ducts shall be eighteen (18) inches, except that a sufficient number of short pieces of various lengths shall be furnished to lay on curves and to piece out at manholes so as to bring the ends of all ducts into a vertical plane.

The minimum inside diameter of holes shall be such as to pass a mandrel three and one-half (3½) inches in diameter.

The outside dimensions of one way ducts shall be not less than five (5) inches nor more than five and one-quarter (5¼) inches measured at right angles to the flat of each side.

The thickness of the outside walls measured at the thinnest part shall be not less than five-eighths (⅝) of an inch.

The ducts shall be made square on outer lines. One-way ducts shall have the outside corners cut off to leave a flat surface of not less than two and three-fourths (2¾) inches, the ends to be cut smooth and at right angles to the axis of the duct and beveled on the inside for one-half (½) of an inch.

Combing.

Section No. 399. One-way ducts shall be combed on each face with at least five (5) longitudinal combings, each combing to have a width of one-fourth (¼) of an inch and a depth of not less than one-sixteenth (1-16), nor more than one-eighth (⅛) of an inch.

Quality and Workmanship.

Section No. 400. All ducts shall be manufactured of the best clay, mixed thoroughly and in proper proportions, burnt hard through their entire thickness until well vitrified but in no case so burnt as to be fused or scoriated. The clay used shall be plastic and smooth, perfectly free from limestone, lime pebbles, pyrites and chalk, and sufficiently fireproof to acquire proper density before vitrification takes place. The clay shall be well pulverized and made perfectly homogeneous, and the surface of each piece both inside and outside shall be thoroughly glazed in the most approved manner with good salt glaze. The ducts shall be sound and without soft spots, stones, gravel, cracks, breaks or blisters, and the interior surface shall be free from warts, tits, nodules, chips, breaks, rough spots or cracks, that in the opinion of the Engineer may prove injurious. Each duct shall be practically straight and under no circumstances will any piece be accepted which shall have a bow, curve, or kink sufficient to prevent the passage of a mandrel three and one-half (3½) inches in diameter and twenty-four (24) inches long. No piece will be accepted if it shall have a bow, bend or kink in more than one direction. Throughout its entire length the bore shall be straight, smooth and circular. The center of the bore shall be exactly in the center of one-way ducts.

Inspection.

Section No. 401. All ducts shall be subject to inspection at the place of manufacture and on the work and at any other time and place as may be required by the Engineer. All rejected ducts shall be promptly removed by the Contractor at his expense.

How Laid.

Section No. 402. The ducts shall be laid in beds of cement mortar, about one-quarter of an inch in thickness, with broken joints both horizontally and vertically, true to line and grade, and so placed that there shall be no shoulders or offsets in the bore. All interstices shall be filled with mortar. In laying ducts care must be taken to close abutting joints so that the ends of all consecutive ducts shall be practically in contact on all sides.

Wraps.

Section No. 404. 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 four (4) inches. The muslin shall be not less than 56x60 count, weight not less than four (4) ounces to the yard and width thirty-six (36) inches. 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. Metal wraps will not be permitted.

Mandrels.

Section No. 405. Ducts shall be laid with a linked mandrel of a length and diameter to be prescribed, which shall be drawn through each duct as it is laid, so as to remove all projections of mortar that may be in the ducts; the mandrel shall also be equipped with a suitable swab to remove all loose material in the ducts; the mandrel is to be left in each duct until the succeeding duct is laid.

To Be Rodded.

Section No. 406. After the duct bank has been completed and in the case of Railroad ducts, the trench backfilled, the manholes built and heads set, and in the case of Tunnel ducts, the Railroad structure completed, the ducts shall be rodded by passing a wooden mandrel through the bore. This mandrel shall be of approved design, three and one-fourth (3¼) inches in diameter, eight (8) inches long and screwed to the end of the rod. If obstructions are found in rodding the ducts which can not be removed by cleaners, so as to give a clear and smooth opening sufficient to pass the above mandrel without damaging the duct, the duct 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.

Payments.

Section No. 407. Railroad ducts shall be paid for per duct foot in place, and measured in place, at the price stipulated for Railroad ducts, in Schedule Item 18-A and Tunnel ducts shall be paid for per duct foot in place at the price stipulated for Tunnel ducts in Schedule Item 18, which prices shall include the cost of furnishing, laying and rodding the ducts, of furnishing and placing the concrete envelope for the Railroad ducts, and of all incidental work, labor and materials not otherwise specifically provided for. For Railroad ducts and Railroad duct manholes outside the net lines of the Railroad structure, excavation and restoration of street surface shall be paid for at the prices stipulated in Schedule Items 2-A and 30; and changes of surface and subsurface structures both inside and outside the net lines of the Railroad structure made necessary because of physical interference with Railroad ducts or Railroad duct manholes shall be measured and paid for as provided in Sections Nos. 60, 61 and 62. The ducts to be provided under Schedule Items 18 and 18-A shall include only those intended solely for the purpose of the operation of the Railroad.

In the estimate and payment for excavation for Railroad ducts and Railroad duct manholes outside the net lines of the Railroad structure, allowance will be made for a width of trench eight (8) inches wider than the duct structure or manhole, the depth, measured on the line of the trench, being taken as the distance from the street surface to the lowest part of the structure.

Location of Duct Line.

Section No. 408. Generally the Railroad duct lines will be constructed as indicated on the contract drawings, but to escape existing subsurface structures they may be placed in another location as ordered. Railroad duct manholes shall be built as indicated on the drawings or as directed by the Engineer. These manholes shall be generally at intervals of about four hundred (400) feet. They may vary in form to adapt the work to local conditions. They will be paid for at the prices stipulated in the various Schedule Items for similar work and material for the Railroad structure. (See Section No. 427.)

Drain Pipe.

The drain pipe for the duct manholes shall be vitrified pipe of the best quality, thoroughly and perfectly burnt, without imperfections, well and smoothly glazed inside and outside and perfect in shape. They shall be paid for at the prices stipulated in Schedule Item 17, which prices shall include all work, labor and material incidental to furnishing and laying the pipe in place, and including the proper connections with the sewers, except excavation and the restoration of the street surface, which will be paid for at the prices stipulated in Schedule Items 2-A and 30. In the estimate and payment for such excavation allowance will be made for a width of trench two (2) feet wider than the interior diameter of the pipe and a depth six (6) inches deeper than the invert of the pipe measured from the surface of the street on the line of the trench.

Duct Manholes.

Section No. 409. Tunnel duct manholes shall be built at the sides of the Railroad in connection therewith and as indicated on the drawings or as directed by the Engineer. These manholes shall be generally at intervals of about four hundred and fifty (450) feet, and shall be on ither or both sides of the Railroad to accommodate the duct lines. They may vary in form as may be necessary to adapt the work to local conditions. They shall be considered as part of the Railroad structure, and paid for at the schedule prices for such work. Sliding steel doors of an approved type and with the necessary fittings shall be provided for all duct manholes. Such doors and fittings will be paid for as riveted steel, Schedule Item 19.

Duct manholes shall be built at the ends of the stations to provide for the passage of the ducts under the station platforms.

At manholes, ducts will be laid to conform to the special conditions.

Openings to the street surface shall be provided from all manholes. Ten (10) inch cast-iron pipe will be used for this purpose in some cases. Such pipe when used will be measured in place in the work and will be paid for at the price stipulated in Schedule Item 17 (i).

SUBDIVISION 21.

Conduits.

Section No. 410. In all work where iron pipe 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. 411. The iron pipe conduits required by Section No. 410 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. 412. All conduits shall, unless otherwise specified, be of the best grade standard weight wrought iron or steel piping, protected inside and out by a coat of zinc, enamel or other approved preservative. They shall be delivered to the work in bundles of full length pipes, each length marked with the trade mark of the manufacturer. They shall bend cold ninety (90) degrees about a radius equal to ten (10) diameters without signs of flaw or fracture in either pipe or enamel. Flexible conduits shall be provided where specially called for on the drawings. Samples of conduits and boxes shall be submitted for approval before proceeding with the electric work.

Cleaning and Workmanship.

Section No. 413. 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. All conduits shall be snaked with steel band wire, and any conduit which cannot be snaked shall be removed and replaced by the Contractor at his own expense.

Section No. 414. All joints shall be made with standard couplings, well treated with red lead, and screwed up to make a water-tight job.

Support and Protection.

Section No. 415. 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.

Section No. 416. Conduits 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. 417. 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. 418. Measurements for the above iron pipe 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 made at the prices stipulated in Schedule Item 32, which prices shall include the cost of all drilling and tapping of steel, of snaking the conduits, and of all work incidental or necessary to installing the conduits.

Outlet and Pull Boxes and Payment for Same.

Section No. 419. All outlet 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. Cast-iron outlet boxes furnished and placed in the work shall be paid for at the prices stipulated in Schedule Items 33 and 33-A.

SUBDIVISION 22.

Surfaces Restored.

Section No. 420. As soon as the structure in any excavation or trench made within a street (including the roadway in Eastern Parkway) shall be completed and the trench backfilled, a temporary pavement shall be laid and maintained for at least four (4) months in a condition satisfactory to the Engineer; and whenever after such time the earth shall, in the opinion of the Engineer, have become 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.

Section No. 421. All the requirements as to street and park surface restored shall apply to the trenches for sewers, pipes, Railroad ducts or other subsurface structures along or off the line of the Railroad.

Other Pavement May Be Laid.

Section No. 422. Nothing contained in these specifications shall be understood or construed as prohibiting the Contractor from making any arrangement with the President of the Borough, or the Commissioner of Parks, or such other officer of the City as may be in charge of any roadway pavement, sidewalk or other surface covering (including the roadway and park surfaces in Eastern Parkway) to lay a better or other form of roadway pavement, sidewalk or other surface covering in place of the roadway pavement, sidewalk or other surface covering taken up; nor shall anything contained in these specifications be understood or construed as prohibiting the Contractor from making arrangements 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 either of the foregoing cases the Contractor shall file with the Commission a copy of his contract with such municipal officer or with such property owner duly acknowledged in writing by both parties.

In case the municipal officer in charge of any roadway pavement, sidewalk or other surface covering (including the roadway and park surfaces in Eastern Parkway) desires to lay a roadway pavement, sidewalk or other surface covering different from the one removed and shall notify the Commission in writing that he has failed to make arrangements for such work with the Contractor, or in case any property owner desires to lay a sidewalk or other surface covering within curb lines different from the one removed and shall notify the Commission in writing that he has failed to make arrangements for such work with the Contractor, or in case the Commission shall for any other reason deem it advisable so to do, 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 roadway, pavement, 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.

The cost of all work of finishing and dressing off the filling over his work and of the removal of all materials not required, referred to above, will be included in the prices stipulated for earth excavation; and such work is not to be considered in any sense as "street surface restored" or "park surface restored."

Payment for Street Surface Restored.

Section No. 423. Payment for street surface restored (including the restoration of the roadway in Eastern Parkway) will be made at the prices stipulated in Schedule Item 30 (a) within curb lines and in Schedule Item 30 (e), (f) and (ff) between curb lines, 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; and of all temporary surfaces and pavements (including maintenance of same) that may be necessary to maintain traffic pending the final placing of the permanent paving. The support of the street surface between the street railroad tracks and between the rails of each track will not constitute "street surface restored"; that is, the Contractor will not be paid for street surface restored in cases where the original pavement between such street railroad tracks and such rails is not removed and replaced; nor will the area of the top surface of the rails of the street railroads be measured and paid for as "street surface restored."

New Bluestone or Granite Curb.

When required by the Engineer, the Contractor shall furnish and set contiguous to ventilating grating work and station vault light work new bluestone or eight (8) inch granite curb dressed to fit the structure. This new curb, in place, including all work, labor and material incidental thereto, will be paid for at the prices stipulated in Schedule Items 30 (i) and (k).

When required by the Engineer, the Contractor shall set such new curbs, or restore the old curbs contiguous to such grating and vault light work when new ones are not ordered, at a new line to be established by the President of the Borough, or the Commissioner of Parks or other proper officer of the City, and such additional roadway pavement as may be required thereby will be paid for at the unit price stipulated in the Schedule applicable thereto.

Measurements.

Section No. 424. The measurement for payment for street and park surface restored will be to the ordered net lines of excavation.

Outside net lines.

Section No. 425. All other street and park surfaces outside the ordered net lines of excavation, either along or off the line of the Railroad, that may have become damaged, directly or indirectly, as a 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 as good as that existing previous to the commencement of construction.

Where any grass plots or trees exist along any street occupied by the Contractor, proper precautions must be taken to protect them from injury. 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 (2) feet above the surface of the ground, except that in Eastern Parkway such new tree shall be a new thrifty elm tree six (6) inches in diameter, measured two (2) feet above the surface of the ground, and in such position as the Commissioner of Parks shall indicate. All 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. 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. Payment for all work covered in this paragraph, including such work on the sidewalks in front of or adjoining a park between the street roadway curbs and the lines of the park and also including such work in Eastern Parkway not within the park plots between the center and south roadway, shall be included in the price paid for street surface restored within curb lines, Schedule Item 30 (a), when such work comes within the ordered net lines of excavation. All such work outside of the ordered net lines of excavation, either along or off the line of the Railroad, shall be restored at the Contractor's own cost and expense. (See Sect. 427.)

In any park or parkway the Contractor must take proper precautions to protect from injury all trees, roads, cross-paths, grass plots, shrubbery and other plants and other park features, and when the same are removed, injured or destroyed by the construction of the Railroad, they (except trees) shall be restored as soon as possible to as good a condition as existed before the commencement of the work. The nature and the depth of the top soil to be placed and all other work in connection with such restoration must be governed by the reasonable requirements of the Commissioner of Parks or of other authorities responsible for the care of such parks or parkways. For exery tree removed, injured or destroyed the Contractor shall set a new tree, as provided in the preceding paragraph of this section, except that in Eastern Parkway he shall, for each tree removed, injured or destroyed, set a new thrifty elm tree six (6) inches in diameter, measured two (2) feet above the surface of the ground. Payment for park surface restored (including the restoration of the park plot between the center and south roadway in Eastern Parkway) will be made at the

price stipulated in Schedule Item 31, which price will include the cost of all work, labor and material required to restore all classes of park surface, including the restoration of curbs.

SUBDIVISION 23.

Gratings, Hand-Rails, Etc.

Steel Gratings.

Section No. 426. Steel gratings shall be provided and placed over fan and other ventilating chambers, and over station approaches, at places shown on the drawings, or at other places if required by the Engineer. They will be constructed as shown on the detailed drawings for gratings.

Steel gratings also shall be provided and placed over stations as prescribed in the preceding paragraph.

Gratings will be measured to include the outer lines of the frame of the grating at the street surface and payment therefor will be made at the price stipulated in Schedule Item 28, which price shall include the grating in place in the work, all frames and framing, painting, and all incidental work, labor and material.

Hand-rails.

Seasoned oak or ash hand-rails, of one or more horizontal rails may be placed in the Railroad at points where directed by the Engineer. The rails shall be free from knots, sap-wood, shakes and other defects and shall not have a cross grain between supports greater than one-fourth (¼) the diameter of the rail. The rails shall be sandpapered to a smooth finish and shall receive two (2) coats of boiled linseed oil. They shall be securely fastened to the wall of the Railroad by means of expansion bolts, and as shown on the contract drawings. Measurements for payment for hand-rails will be per lineal foot of rail in place in the work, and payment therefor will be made at the price stipulated in Schedule Item 27-B, which price shall include furnishing and placing the hand-rails complete, including finishing, oiling and connections.

Vault Lights.

The roofs of the stations, where under sidewalks, 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, in frames or panels, and the joint between the glass and the cement shall be made watertight by the use of an approved elastic composition which shall also serve to protect the glass from breaking due to the contraction of the supporting slab. The construction shall be such that the lenses can be replaced without disturbing the surface of the slab. The panels 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) lbs. 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, 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; and the joint between the vault light construction and the supporting walls or beams shall be made watertight by the use of an approved elastic composition. Any tests required shall be at the Contractor's expense.

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 work, labor and material incidental to the completed vault lights in place

SUBDIVISION 24

Special Matters

Section No. 427. The provisions of this subdivision are for the purpose of covering matters which are special to this contract and which are not fully covered in the general specifications, but except as herein otherwise *expressly* provided the foregoing specifications are to be construed as applying to special matters. In case of any conflict between the provisions of the foregoing general specifications and the provisions of this subdivision, the provisions of this subdivision shall govern.

Property at Nostrand Avenue and Eastern Parkway.

The Railroad will pass under the property on the westerly side of Nostrand Avenue, between Eastern Parkway and Union Street, designated as Lot No. 34 in Block 1268 in Section 5. This property has been acquired by the City and the buildings thereon have been razed by other contractors. The Contractor will be permitted to prosecute his work within the limits of this property in open trench excavation without cover and he may, as provided in Article LIII, use such property outside the net lines of the Railroad for his plant and for other purposes in the prosecution of the work. The removal of all foundation walls and other parts of buildings or vaults in such property within the ordered net lines of excavation will be considered as earth excavation as provided in Section No. 87. The surface limiting the amounts to be paid for within the ordered net lines of excavation at any point in such property shall be the actual existing surface at such point, at the ground level within the basements or cellars.

Railroad duct line.

The Contractor shall furnish in accordance with drawings to be prepared by the Engineer, a building or rooms for the Engineer's office at a place to be determined by the Engineer, together with the equipment thereof, such as lighting and heating fixtures, plumbing, instrument racks, lockers and such other facilities as may be required. Payment therefore will be made as provided in Article XII.

At the intersection of Eastern Parkway and Nostrand Avenue, the Railroad duct line will be kept in the streets and will not follow the line of the Railroad through the property acquired by the City.

The underpinning of any church (including towers) will be classified under and paid for at the price stipulated in Schedule Item 4 (a).

The Contractor will be required to restore in a new location the 48-inch water main at Clarkson Avenue. The present pipe is made of riveted steel. In the new location cast-iron pipe will be substituted for the riveted pipe. Payment for restoring the main in its new location will be made in accordance with the provisions of Sections Nos. 60 and 61.

A number of trees along Nostrand Avenue will have to be removed on account of physical interference with the Railroad structure. The Contractor will not be required to replace such trees.

The Contractor will be permitted to prosecute his work in open trench without cover on one side of Nostrand Avenue between the surface car tracks and the curb at the following points, viz.: on the east side of Nostrand Avenue, between Hawthorne Street and Robinson Street, on the west side of Nostrand Avenue between Clarkson Street and Lenox Road, on the east side of Nostrand Avenue between Linden Avenue and Martens Street, and on the west side of Nostrand Avenue, from Church Avenue to the southerly end of this contract section. All work done in open cut without cover shall be performed in accordance with the requirements of Sections Nos. 44, 48 and 49.

The City prior to the execution and delivery of this contract may have entered, or within thirty days after the execution and delivery of this contract may enter, into an agreement with Brooklyn Union Gas Company and Flatbush Gas Company, a copy of which agreement is printed as an appendix to these specifications, with regard to the sixteen-inch gas main now maintained by said Gas Companies in Nostrand Avenue between Eastern Parkway and Winthrop Street. If said agreement shall have been or shall be so entered into, the Contractor shall be bound by the terms thereof and shall do all the work which the City undertakes in and by said agreement to provide for in this contract. Accordingly the Contractor, as contemplated in said agreement and as part of the Works, shall provide and, during the construction of the Railroad, shall maintain a sixteen-inch overhead gas by-pass over the excavation of the Railroad connecting with the sixteen-inch main to be laid by the City pursuant to the terms of said agreement underneath Winthrop Street between Nostrand Avenue and Rogers Avenue and with the twenty-four-inch main now located underneath Winthrop Street east of Nostrand Avenue and upon or before the completion of the construction of the Railroad shall remove said sixteen-inch overhead gas by-pass at Winthrop Street and lay a sixteen-inch gas main underneath Nostrand Avenue at Winthrop Street in place thereof. The Commission upon notice from the Contractor will request said Gas Companies pursuant to the terms of said agreement, when said by-pass at Winthrop Street is to be removed, to furnish to the Contractor the necessary sixteen-inch gas pipe to lay said sixteen-inch gas main underneath Nostrand Avenue at Winthrop Street. Payment for providing, maintaining and removing said by-pass and for laying said sixteen-inch gas main underneath Nostrand Avenue at Winthrop Street in place thereof will be made at the price stipulated in Schedule Item 99-B (b), which price shall include all the matters and things referred to in Section No. 52, and no allowance will be made therefor under any other Schedule Item or otherwise. The Contractor shall also, if said agreement shall have been or shall be so entered into, as contemplated in said agreement and as part of the Works, remove said sixteen-inch main now maintained by said Gas Companies underneath Nostrand Avenue from the north roadway of Eastern Parkway to Winthrop Street and deliver the materials of the same to said Gas Companies upon the surface of the street. The Contractor may remove said sixteen-inch main now maintained by said Gas Companies underneath Nostrand Avenue from the north roadway of Eastern Parkway to Winthrop Street at any time after the expiration of sixty days from the date of the delivery of said agreement, provided however that said sixteen-inch main shall not be removed or disturbed until said by-pass at Winthrop Street shall have been provided. If, however, said agreement with said Gas Companies shall not have been entered into within thirty days after the execution and delivery of this contract, then the Contractor shall as directed by the Engineer either maintain and support in place said sixteen-inch gas main in Nostrand Avenue between Eastern Parkway and Winthrop Street, in which event he will be paid for the maintenance and support thereof in place at the price stipulated in Schedule Item 99-E, or else he shall if directed by the Engineer by-pass the same as provided in Section No. 52, in which event he will be paid for such work under Schedule Item 99-B, or else he shall make such other provision as the Engineer may direct, in which event he will be paid therefor at the prices stipulated for items of the different classes of construction under the Items of the Schedule or as provided in Article XII. Any work performed under this paragraph shall be performed in accordance with all the provisions of these specifications.

APPENDIX.

Agreement made this day of , 1915, between Brooklyn Union Gas Company and Flatbush Gas Company, both domestic corporations (hereinafter called the "Companies"), parties of the first part, and 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 second part.

Whereas the City, acting by the Commission, pursuant to the provisions of the Rapid Transit Act, being Chapter 4 of the Laws of 1891 as amended, has entered or is about to enter into two contracts, one for the construction of a portion of a rapid transit railroad known as Section No. 2 of Route No. 12, extending in part along Eastern Parkway between Rogers Avenue and Nostrand Avenue, Brooklyn, and the other for the construction of a portion of a rapid transit railroad known as Section No. 1 of Route No. 29, extending in part along Nostrand Avenue between Eastern Parkway and Winthrop Street, Brooklyn, and the Companies now maintain a sixteen-inch gas main underneath Nostrand Avenue between Eastern Parkway and Winthrop Street; and

Whereas for the purpose of the construction or operation of said rapid transit railroad in Nostrand Avenue, the Commission is authorized by the provisions of the Rapid Transit Act to remove or cause to be removed, any pipes, sewers, subways or underground conduits or ways underneath any street, highway, park, or public place; provided, however, that the same shall be replaced as soon as practicable, either in the same position as before or in a secure and convenient position underneath such street, highway or public place, or underneath such other street, highway or public place as may be approved by the head of the department of public works of the City; and

Whereas the parties hereto desire for the purpose of the construction and operation of said rapid transit railroad in Nostrand Avenue that said sixteen-inch gas main underneath Nostrand Avenue between Eastern Parkway and Winthrop Street be removed and that the same be replaced underneath Eastern Parkway, Rogers Avenue and Winthrop Street, as hereinafter provided, and the replacing thereof underneath Eastern Parkway, Rogers Avenue and Winthrop Street has been approved by the President of the Borough of Brooklyn,

Now therefore the parties hereto, in consideration of the mutual stipulations hereinafter contained, do hereby mutually agree as follows:

The Companies shall provide and lay a sixteen-inch gas main underneath the north roadway of Eastern Parkway from Nostrand Avenue to Rogers Avenue connecting with the sixteen-inch gas main now located underneath Nostrand Avenue north of Eastern Parkway and shall also provide and lay a sixteen-inch gas main underneath Rogers Avenue from Eastern Parkway to a point near Winthrop Street, at which point said main shall connect with a sixteen-inch gas main to be laid by the City underneath Rogers Avenue and Winthrop Street as hereinafter provided.

The City shall construct or cause to be constructed eighteen hundred and seventy-five (1,875) linear feet of sixteen-inch cast iron gas main extending from the intersection of Nostrand Avenue and Winthrop Street, underneath Winthrop Street to Rogers Avenue, and thence underneath Rogers Avenue to a connection with said sixteen-inch gas main to be laid by the Companies underneath Rogers Avenue. The City shall also require the contractor for the construction of said rapid transit railroad in Eastern Parkway to provide and, during the construction of said railroad, to maintain a sixteen-inch overhead gas by-pass over the excavation of said railroad in Eastern Parkway connecting with said sixteen-inch main to be laid by the Companies underneath the north roadway of Eastern Parkway and with said sixteen-inch gas main to be laid by the Companies underneath Rogers Avenue and shall also require said contractor upon or before the completion of the construction of said railroad in Eastern Parkway to remove said sixteen-inch overhead gas by-pass at Rogers Avenue and to lay a sixteen-inch gas main underneath Eastern Parkway at Rogers Avenue in place thereof. The City shall also provide in the contract for the construction of said rapid transit railroad in Nostrand Avenue that the contractor for the construction of said railroad shall provide and, during the construction of said railroad, shall maintain a sixteen-inch overhead gas by-pass over the excavation of said railroad in Nostrand Avenue connecting with said sixteen-inch main to be laid by the City underneath Winthrop Street between Nostrand Avenue and Rogers Avenue and with the twenty-four-inch main now located underneath Winthrop Street east of Nostrand Avenue and upon or before the completion of the construction of said railroad in Nostrand Avenue shall remove said sixteen-inch overhead gas by-pass at Winthrop Street and lay a sixteen-inch gas main underneath Nostrand Avenue at Winthrop Street in place thereof.

The Companies shall upon the request of the Commission furnish to the City or its contractor or contractors the necessary sixteen-inch gas pipe to lay said sixteen-inch gas main underneath Eastern Parkway at Rogers Avenue when the by-pass at that point is or is to be removed and shall also furnish to the City or its contractor or contractors the necessary sixteen-inch gas pipe to lay said sixteen-inch gas main underneath Nostrand Avenue at Winthrop Street when the by-pass at that point is or is to be removed.

The City shall also provide in said contract for the construction of said rapid transit railroad in Nostrand Avenue that said contractor for the construction of said railroad shall remove said sixteen-inch main now maintained by the Companies underneath Nostrand Avenue from the north roadway of Eastern Parkway to Winthrop Street and shall deliver the materials of the same to the Companies upon the surface of the street. The Companies agree promptly to remove the materials of said gas main as so delivered and to take them from the site of the work. The Companies further consent and agree that the City or the said contractor for the construction of said rapid transit railroad in Nostrand Avenue may remove said sixteen-inch main now maintained by the Companies underneath Nostrand Avenue from the north roadway of Eastern Parkway to Winthrop Street at any time after the expiration of sixty (60) days from the date of the delivery of this agreement and the Companies shall co-operate with the City or said contractor so as to permit and facilitate the removal thereof.

The Companies shall complete all the work to be performed by them hereunder (except the furnishing of said gas pipe to the City or its contractor or contractors necessary for laying sixteen-inch gas mains underneath Eastern Parkway at Rogers Avenue and underneath Nostrand Avenue at Winthrop Street in place of the temporary by-passes at those points) within sixty (60) days after the date of the delivery of this agreement and shall perform, provide and furnish all work and materials to be performed or provided by them hereunder, together with all incidental work, labor and material, at their own expense and without cost to the City and shall procure at their own expense and without cost to the City all necessary permits and authorizations therefor. Nothing herein contained shall be construed as giving any permit or authority to the Companies or either of them to perform such work or to open streets for that purpose.

No member of the Commission shall be liable personally under or by reason of this agreement or any of its provisions.

The stipulations herein made by the Companies shall be jointly and severally binding upon the Companies and their successors and assigns.

In witness whereof the Public Service Commission for the First District acting for and on behalf of The City of New York has caused its official seal to be hereto affixed and attested by its Secretary and these presents to be signed by its Chairman, and Brooklyn Union Gas Company and Flatbush Gas Company have caused their respective corporate seal to be hereto affixed and attested by their respective secretaries and these presents to be signed by their respective vice-presidents, the day and year first above written.

THE CITY OF NEW YORK, by the Public Service Commission for the First District by ....., Chairman.

Attest: ....., Secretary.

BROOKLYN UNION GAS COMPANY, by ....., Vice-President.

Attest: ..... Secretary.

FLATBUSH GAS COMPANY, by ....., Vice-President.

Attest: ....., Secretary.

CHAPTER IV.

Security to Be Furnished by Contractor.

Article XXVII. Simultaneously with the execution and delivery 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 and entitled "Form of Contractor's Bond," executed by the Contractor and by two or more sureties to be corporations or persons approved by the Commission in the sum of two hundred thousand dollars ($200,000). The execution of the bond must be duly proved before the delivery in the form essential to proof to entitle a deed to record in the State of New York, and full affidavits of justification of sureties must be added. 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 (10) days after notice by the Commission to the Contractor shall, by supplemental bond or otherwise, substitute another and sufficient surety approved by the Commission in place of the surety so insolvent or unable. If the Contractor shall fail, within such ten (10) days or such further time, if any, as the Commission may grant, to substitute another and sufficient surety, then the Contractor shall, if the Commission shall so elect, be deemed to be in default in the performance of his obligations hereunder and upon the said bond, and in addition to any and all other remedies the Commission may terminate this contract or may bring any proper suit or proceeding against the Contractor and the sureties or either of them or may require the Comptroller or the Interborough Company or both the Comptroller and the Interborough Company to deduct from any moneys then due or which thereafter may become due to the Contractor under this contract the amount for which the surety insolvent or unable as aforesaid shall have justified on the bond; and the Interborough Company shall pay over any amount so deducted by it to the Comptroller; and the moneys so deducted (including any moneys so deducted and paid by the Interborough Company to the Comptroller) shall be held by the Comptroller as collateral security for the performance of the condition of the bond; and such moneys shall in such case be deemed to have been paid by the City or the Interborough Company, as the case may be, to the Contractor upon this contract.

Deposit of Cash or Securities.

Article XXVIII. The Contractor may, upon the approval of the Commission, deposit with the Comptroller in lieu of said bond cash equal in amount to the entire amount of the said bond or securities which are worth not less than the entire amount of such bond. If securities be deposited, they shall be securities which are lawful for the investment of funds of savings banks within the State of New York and shall be approved by the Commission. A schedule of such securities with their values shall be hereto annexed, entitled "Schedule of Securities," and there shall be deposited with such securities the written approval of the Commission which it shall give when satisfied as to the character and value thereof. All securities when deposited must be payable to, or run in favor of, or be transferred to, the Comptroller. 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 which are lawful for the investment of funds of savings banks within the State of New York 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 (10) days after notice to the Contractor of the objection of the Commission, the Contractor shall either substitute 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 (10) days or such further time, if any, as the Commission may grant, substitute such new securities or make such deposit of cash, 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 the Commission may require the Comptroller or the Interborough Company or both the Comptroller and the Interborough Company 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 the Interborough Company shall pay over any amount so deducted by it to the Comptroller; and the Comptroller shall hold the moneys so deducted (including any moneys so deducted and paid by the Interborough Company to him) in lieu of such securities, as if part of the original deposit or as if deposited with him as aforesaid, and such amount shall in such case be deemed to have been paid to the Contractor upon this contract. The securities so objected to shall upon such substitution of securities or deposit of cash in lieu thereof be returned to the Contractor.

City to Collect Interest.

The City shall from time to time collect all interest, dividends and other income on any securities deposited by the Contractor and shall pay the same, when and as collected, to the Contractor. If the securities are in the form of coupon bonds, the coupons as they respectively become due shall be delivered to the Contractor. If the deposit be made in cash, interest shall be paid to the Contractor on such deposit at the average rate of interest received by the City on its bank balances during such period. Provided, however, that the Contractor shall not be entitled to interest, dividends or other income on any cash which shall be used or applied as hereinafter provided or on any securities the proceeds of which shall be used or applied as hereinafter provided.

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 conditions, covenants 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 default, whether by reason of employment of another contractor or contractors or otherwise, incur or become liable for expense or be required to make any payment or incur or suffer any loss or damage, then the Comptroller shall, upon the requirement of the Commission, forthwith pay or apply to the use of the City the amount of such expense, payment, loss or damage, including any liquidated damages, out of the said deposit in cash or securities or out of the portion of the deposit remaining at the time.

Sales of Securities.

Article XXX. If such deposit be in securities, 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 New York any of the securities which may then constitute part of such deposit upon notice to be published in three (3) daily newspapers, the first publication to be not less than ten (10) days before the sale and such publication to be made three (3) times within such ten (10) days. The Comptroller in his discretion may, and upon the requirement of the Commission shall, adjourn such sale from time to time by announcement at the time and place appointed for such sale or for such adjourned sale or sales; and without further notice or publication, he may make such sale at the time and place to which the same may be so adjourned. 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 (10) days after notice from the Commission so to do, or such further time, if any, as the Commission may grant, shall 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; and in case the Contractor shall not within such ten (10) days or such further time, if any, as may be granted by the Commission, make such further deposit of money or 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, the Commission may require the Comptroller or the Interborough Company or both the Comptroller and the Interborough Company to deduct from any moneys then due or which thereafter may become due to the Contractor under this contract such amount as may be necessary to restore the said deposit with the Comptroller to the full amount originally required; and the Interborough Company shall pay over any amount so deducted by it to the Comptroller; and the Comptroller shall hold the money so deducted (including any money so deducted and paid by the Interborough Company to him) as if part of the original deposit or as if deposited with him as aforesaid; and such moneys shall in such case be deemed to have been paid to the Contractor upon this contract. In addition to, or in lieu of, the sale above provided for, the Commission may, in the name 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 injury or alleged injury to person or property occurring or alleged to have occurred on account of the work hereunder, whether by reason of the negligence, fault or default of the Contractor or otherwise, or any claim for infringement or alleged infringement of patents or any other claim on account of any neglect, fault or default or alleged neglect, 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, including all interest, dividends and other income thereafter accruing thereon, or such part thereof as the Commission may prescribe shall, upon the requirement of the Commission, be reserved by the Comptroller as security against such claims for a time not exceeding the time when such claims would be legally barred. If and when the liability of the City on such claim or claims shall have been established by a judgment of a court of competent jurisdiction or such claim or claims shall have been admitted by the Contractor to be valid, the City may deduct the amount of such claim or claims from the said deposit before the balance of the said deposit shall be returned to the Contractor as hereinafter provided. For the purpose of making such deduction the Comptroller may sell any of the securities which may constitute part of such deposit in the manner provided in Article XXX.

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 be reserved, or shall not have been used or applied, for any of the purposes herein mentioned.

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 ten (10) per centum of the total estimated amount to be paid to the Contractor under this contract as calculated from the estimated approximate quantities and the prices contained in the Schedule of Unit Prices in the Contractor's Proposal. Thereafter there shall be so deducted and retained for such purpose ten per centum (10%) of the amounts certified from time to time to be due to the Contractor. Such retained percentages shall be held as further security for the faithful performance by the Contractor of all the conditions, covenants and requirements specified and provided for in this contract. The Contractor may from time to time withdraw portions of the amounts so retained upon depositing with the Comptroller corporate stock of the City of a market value equal to the amount so withdrawn from the City or the Interborough Company, as the case may be, in which event the provisions of this chapter in respect of securities shall apply to such corporate stock. The Interborough Company shall pay to the Contractor such portion of the amounts retained by it as are to be so withdrawn from it upon the certificate of the Comptroller that such corporate stock of a market value equal to such amount to be withdrawn from it has been so deposited with him.

CHAPTER V.

Payments to Contractor.

Amounts to Be Paid by Interborough Company.

Article XXXV. The Contractor shall look to the Interborough Company for the payment of the sums earned under this contract to an amount up but not exceeding *($) dollars, which the Interborough Company agrees to pay at the times and in the manner and upon the terms and conditions herein provided, and to the City for all sums over and above such amount. The Interborough Company shall not be liable hereunder beyond said amount. In order to assist the Contractor to prosecute the work advantageously, the Engineer shall from time to time as the work progresses, but not more often than once a month, make in writing an estimate in duplicate, 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 prices contained in the Schedule of Unit Prices), 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 this contract.

Estimates and Partial Payments.

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) dollars. The Engineer shall further include accepted structural steel delivered on the site of the work or on property owned or leased by the City, but not incorporated in the work, at an amount equal to sixty (60) per centum of an average price for such steel. Such average price shall be obtained by dividing the sum of the unit prices stipulated in Schedule Items 19 and 20 by two. But the quantity of such structural steel included in any partial estimate or estimates 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 suceeding partial estimates. All such steel so accepted shall be and become the property of the City and the Contractor at his own expense shall promptly execute, acknowledge and deliver or cause to be executed, acknowledged and delivered to the Commission for any and all such steel included in any such portial estimate proper bills of sale or other instruments in writing in a form and as required by Counsel to the Commission from the Contractor and from any person, firm or corpoation manufacturing for, or selling or shipping or delivering to the Contractor any such steel, conveying and assuring to the City title to such steel included in such estimate free from all liens and encumbrances and the Contractor at his own expense shall mark such steel as the property of the City and shall take such other steps, if any, as Counsel to the Commission may require or regard as necessary to vest title in the City to such steel free from all liens and encumbarances. No materials not incorporated in the work, excepting such structural steel, shall be included in any estimate.

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 two vouchers aggregating eighty-five (85) or ninety (90) per centum of the amount stated in such estimate or certified to be the value of the work done and materials furnished as

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*This blank shall be filled in before the contract is executed with an amount equal to ninety-five (95) per centum of the total estimated amount to be paid to the Contractor under the contract as calculated from the estimated approximate quantities and the prices contained in the Schedule of Unit Prices in the Contractor's Proposal.

provided in Article XXXIII. One of such vouchers shall be payable by the City and the other of such vouchers shall be payable by the Interborough Company. The voucher payable by the City shall be for an amount equal to fifty per centum (50%) of such estimate less fifty per centum (50%) of the amount to be deducted from such estimate as retained percentages as provided in Article XXXIII. The voucher payable by the Interborough Company shall be for an amount equal to ninety-five (95) per centum of such estimate less ninety-five (95) per centum of the amount to be deducted from such estimate as retained percentages as provided in Article XXXIII. The Commission shall thereupon transmit the voucher payable by the Interborough Company accompanied by a duplicate original of such estimate to the Interborough Company for payment and the Interborough Company within thirty (30) days after the receipt of such voucher shall pay the same to the Contractor. The voucher payable by the City shall be paid within thirty (30) days after the date of the certification of such voucher by the Commission. Provided, however, that the City may and the Interborough Company may, and upon the requirement of the Commission shall, at all times reserve and retain from said partial payments or any of them, in addition to the ten (10) or fifteen (15) per centum mentioned in Article XXXIII, any sum or all sums which by the terms hereof or of any law of the State of New York either the City or the Interborough Company or both the City and the Interborough Company 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 and all work under this contract, the Engineer shall so certify in writing and in duplicate 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 and also the balance remaining of the maximum amount specified in Article XXXV hereof for which the Interborough Company is liable hereunder after deducting all such sums as shall theretofore have been paid by the Interborough Company to the Contractor under the provisions of this contract (including interest, if any, paid under the provisions of Article XXXIX hereof) and any other sum or sums which the Engineer shall state in such certificate should be deducted. Upon the receipt of such certificate the Commission shall forthwith prepare and certify two final vouchers (or one, payable by the Interborough Company, in the event hereinafter specified) aggregating the amount remaining after deducting from the amount or value of such work done under and according to the terms of this contract as stated in such certificate all such sums as shall theretofore have been paid to the Contractor under any of the provisions of this contract (exclusive of interest, if any, paid under the provisions of Article XXXIX) and also any sum or all such sums of money as by the terms hereof either the City or the Interborough Company or both the City and the Interborough Company may be authorized to reserve or retain; provided, however, 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. One of such final vouchers shall be payable by the City and the other shall be payable by the Interborough Company. The voucher payable by the Interborough Company shall be for the balance remaining of such maximum amount specified in Article XXXV hereof for which the Interborough Company is liable hereunder or so much thereof as may have been certified by the Engineer; provided, however, that if such balance or so much thereof as may have been certified by the Engineer shall equal or exceed the amount aforesaid remaining from the amount or value of the work done under and according to the terms of this contract as stated in such certificate after making the deductions aforesaid, then the voucher payable by the Interborough Company shall be for such remaining amount, and no voucher shall in that case be prepared or certified for payment by the City. The Commission shall transmit such voucher payable by the Interborough Company accompanied by the duplicate original of such final certificate to the Interborough Company and the Interborough Company on or before the expiration of ninety (90) days after the receipt of such voucher and certificate shall pay the amount due on such voucher. The voucher payable by the City shall be for the difference between the amount aforesaid remaining from the amount or value of the work done under and according to the terms of this contract as stated in such certificate after making the deductions aforesaid and the amount of the voucher payable by the Interborough Company. The City shall pay the amount due on such voucher payable by it on or before the expiration of ninety (90) days after the acceptance 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.

Interest on 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 XXXVII in the case of partial payment or Article XXXVIII in the case of final payment, the City shall pay if the delay shall occur in the case of a voucher payable by the City and the Interborough Company shall pay if the delay shall occur in the case of a voucher payable by the Interborough Company to the Contractor interest on such amount at the rate of four and one-half per centum (4½%) 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. Provided, however, that the Contractor shall not be entitled to interest on any sum or sums which by the terms hereof or of any law of the State of New York either the City or the Interborough Company or both the City and the Interborough Company may be authorized to reserve or retain. The term for which interest shall be paid shall be reckoned, in the case of a partial payment by the City from the thirtieth day after the certification of such voucher by the Commission, and in the case of a partial payment by the Interborough Company from the thirtieth day after the receipt of such voucher by the Interborough Company, and in the case of a final payment by the City from the ninetieth day after the acceptance of the work by the Commission and the filing of such certificate of the completion and acceptance of the work in the office of the Comptroller, and in the case of a final payment by the Interborough Company from the ninetieth day after the date of the receipt of such voucher and the final certificate by the Interborough Company, 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 or of the Interborough Company, as the case may be. 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 or the Interborough Company, as the case may be, for payment in the usual manner. But the provisions of this Article as to payment by the Interborough Company of interest on any final payment due from the Interborough Company shall be subject, as between the City and the Interborough Company, to the provisions of Article XII of said contract dated March 19, 1913, to the effect that if, after the contribution of the Interborough Company shall have been exhausted, there shall accrue any valid claim against the Interborough Company in connection therewith, whether by reason of outstanding contracts or otherwise, the City shall on demand of the Interborough Company promptly settle and pay such claim or claims. Provided, however, that the Interborough Company shall not be entitled to charge to cost of construction or cost of equipment under the said contract of March 19, 1913, interest on any payment the delay in the payment of which has been occasioned otherwise than in good faith or for causes beyond the control of the Interborough Company.

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 classification, amount, quality and character of the work done and materials furnished by the Contractor or any other person under this contract 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 of 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 final payment by the City or the final payment by the Interborough Company in the event that no final voucher shall be prepared or certified for payment by the City as 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, neglect, fault or default of the Commission, the City, the Interborough Company 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 by the City as provided in this contract. The acceptance by the Contractor of payments by the Interborough Company, whether partial or final, aggregating the maximum amount specified in Article XXXV hereof shall be and shall operate as a release to the Interborough Company from all claim and liability to the Contractor hereunder.

Contractor's Claims for Damage—Statement of Damage to Be Filed by Engineer.

Article XLIII. If the Contractor shall claim compensation for any damage sustained by reason of any act, neglect, fault or default of the City or the Commission or their agents, he shall, within ten (10) days after the sustaining of such damage, make a written statement to the Engineer of the nature of the damage sustained. 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 in the discretion of the Commission be forfeited and invalidated and he shall not be entitled to payment on account of any such damage.

Lien Law.

Article XLIV. All the provisions of the Lien Law relating to liens under contracts for public improvements and the discharge and enforcement thereof shall be deemed to apply to the moneys of the Interborough Company to the extent of the amount thereof due or to become due to the Contractor under this contract as though such moneys were the moneys of the City applicable to this contract, provided, however, that the notice of such lien and all subsequent notices relating thereto shall be served upon the Interborough Company as well as upon the Comptroller and the Commission.

If at any time before or within thirty (30) days after the whole work agreed herein to be performed has been 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 (and with the Interborough Company in case a lien is sought upon the moneys of the Interborough Company as aforesaid) any such notice as is described in the Lien Law, the City or the Interborough Company or both the City and the Interborough Company may retain from any moneys which would otherwise be payable to the Contractor hereunder by the City or the Interborough Company an amount or amounts 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, until such lien shall be discharged as provided by law. If such lien shall be foreclosed according to law, then the City or the Interborough Company or both the City and the Interborough Company may pay the amount necessary to satisfy such lien, with interest and costs, to the person entitled thereto, and such payment shall be deemed to be a payment hereunder to the Contractor by the City or the Interborough Company or both the City and the Interborough Company, as the case may be. If the amount or amounts so retained shall not be sufficient to satisfy such lien so foreclosed with interest and costs, the deficiency may be retained by the City or the Interborough Company or both by the City and the Interborough Company out of any moneys thereafter becoming due to the Contractor hereunder.

CHAPTER VI.

Contractor's Liability for Injuries to Persons or Property.

Contractor Approves Drawings as Involving No Damage.

Article XLV. The Contractor expressly admits and covenants that the drawings 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, abutting or overhead buildings or structures or surfaces; 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, abutting or overhead buildings or structures or surfaces. 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.

It is the intention of the parties to this contract that in addition to indemnifying the City against all claims for damages, the Contractor shall also be liable to the owners of adjacent, abutting or overhead property or of buildings or structures thereon and to all tenants or occupants of such buildings or structures for all physical injuries to property or person which may be occasioned by the work of construction, even in cases where such owners, tenants or occupants have no legal claim against the City for such injuries.

Traffic to Be Maintained.

Article XLVI. The Contractor shall during the performance of the work safely maintain the traffic on streets, avenues, highways and other public places as provided in the specifications and shall take all necessary precautions and place proper guards for the prevention of accidents and shall 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 person or property occurring on account 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 person 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 person 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. If compensation for any such injury to property shall be included in any judgment or award in any action or proceeding, the Contractor shall, upon demand, promptly reimburse the City for any payments made by it on account thereof.

Money Due the Contractor May Be Retained to Meet Claims.

Article XLVIII. In case any claim shall be made at any time by any person or corporation against the Contractor or the City for injury or alleged injury to person or property occurring or alleged to have occurred on account of the work hereunder, whether by reason of the negligence, fault or default of the Contractor or otherwise, or for any infringement or alleged infringement of patents or for any neglect, fault or default or alleged neglect, fault or default of the Contractor, the amount of such claim or so much thereof as the Commission may deem reasonable shall, upon the requirement and in the discretion of the Commission, be retained by the Comptroller or by the Interborough Company or both by the Comptroller and the Interborough Company out of any moneys then due or thereafter growing due to the Contractor hereunder (in addition to the other sums herein 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 such claim or claims shall have been admitted by the Contractor to be valid, the said claim or claims may be paid from the amount so retained and the balance, if any, paid to the Contractor. Should there be any unsatisfied claim or claims for injury or alleged injury to person or property occurring or alleged to have occurred on account of the work hereunder, whether by reason of the negligence, fault or default of the Contractor or otherwise, or for any infringement

or alleged infringement of patents or for any neglect, fault or default or alleged neglect, fault or default of the Contractor at the time when the final voucher or vouchers for the work are prepared and certified, the Commission shall have the right to retain out of the final payment or payments and to deduct from the amount of the final voucher or vouchers a sum in its 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 or claims, the City may sue for and recover from the Contractor the amount or balance as a debt from the Contractor to the City. The Commission may further, if in its judgment such a course is necessary or proper, at the time of preparing and certifying the final voucher or vouchers and as a condition of preparing and certifying the same, require the Contractor to continue his bond or other security or any part thereof, as security against any claims then unsatisfied or not presented, for a time not exceeding the time when such claims would be legally barred.

Examinations of Abutting Property.

Article XLIX. In order to safeguard the owners and tenants of adjacent or 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 to be present by a notice in writing delivered to a person apparently in charge of the premises, 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, plant, tools, appliances 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 or the Interborough Company by reason of such loss or damage.

CHAPTER VII.

City to Secure Contractor Against Interference by Injunctions, 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 owner, 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 himself and shall be responsible for any claims made against the City for any infringement of patents by the use of patented tools, articles or appliances in the performance or completion of the work or by the use of any process connected with the work or by the use of any materials used upon the work; and he shall have harmless and indemnify the City from and against all costs, expenses and damages which the City shall be obliged to pay by reason of any such infringement.

Real Estate Acquired by City.

Article LIII. The Railroad will pass under the property on the westerly side of Nostrand Avenue, between Eastern Parkway and Union Street, designated as Lot 34 in Block 1268 in Section 5. This property has been acquired by the City and the buildings thereon have been razed by other contractors. The City will give the Contractor possession of said property within thirty (30) days after written demand is made by the Contractor upon the Commission for said property, and the Contractor may thereafter use said property, subject to the provisions of this contract, as a site for plant in connection solely with the construction of the Railroad and for other purposes in connection solely with such construction for the period during which in the opinion of the Commission such property is necessary for the construction of the Railroad. Whenever in the opinion of the Commission said property is no longer required by the Contractor for the construction of the Railroad or in case the Commission in any of the events stated in Article LXII shall require the Contractor to discontinue the work or any part thereof and shall require the Contractor to quit and surrender said property the Contractor shall forthwith quit and surrender the same; and in case of his failure so to do, the Commission may remove him therefrom and charge the expense of such removal to him.

CHAPTER 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 date of delivery of this contract and shall thenceforth prosecute the work continuously and diligently. The Contractor shall within twenty-one (21) months from the date of delivery of this contract complete the Railroad in all respects and remove his plant, tools and surplus materials therefrom and perform such other work covered by this contract as may be necessary to put the Railroad in condition for immediate, full and continuous operation; and he shall complete all other work covered by this contract within twenty-five (25) months from the date of delivery of this contract.

Damages.

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 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 such damages shall be liquidated and paid as follows: The Contractor shall pay to the City for each and every day, except Sundays and legal holidays, that he shall be in default in completing the Railroad in all respects and removing his plant, tools and surplus materials therefrom and performing such other work covered by this contract as may be necessary to put the Railroad in condition for immediate, full and continuous operation the sum of three hundred dollars ($300), which sum is hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such default. And the Contractor shall pay to the City for each and every day, except Sundays and legal holidays, that he shall be in default in completing all other work under this contract, the sum of one hundred and fifty dollars ($150), which sum is hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such default. The City shall have the right to deduct or to require the Interborough Company to deduct and pay to the City such amounts from any moneys due or to become due to the Contractor under this contract. But in case the Contractor shall be actually and necessarily delayed by reason of any labor strike not caused or instituted or provoked by the Contractor or by any subcontractor, agent or representative of the Contractor or in case the Contractor shall be actually and necessarily delayed by any injunction or by any interference of public authority or by any failure of the City to put him in possession of the property mentioned in Article LIII as therein provided or by the suspension of the whole or any part of the work by the Commission as provided in Article LVIII and in case the Contractor cannot, notwithstanding such strike, injunction, interference, failure or suspension, make up for the delay so occasioned by speedier work when the Contractor shall not be so delayed, then the said dates for completion shall, except as hereinafter provided, be extended by resolution of the Commission to a date later than the expiration of the said periods of twenty-one (21) and twenty-five (25) months by the amount of the time of such delay as determined by the Commission.

Commission May Intervene in Case of Injunctions.

Article LVI. But no injunction, strike or interference of public authority shall be ground for such extension unless and until 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, and no extension will be granted except for the delay occasioned after the giving of such notice. Nor shall any extension be granted in any case unless the Contractor shall prove to the satisfaction of the Commission all the facts which entitle him to such extension. 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 the 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.

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 hereinbefore provided as much as it may have been delayed by such suspension.

Extensions Not Cumulative.

Article LX. Only the actual delay necessarily resulting from one or more of the causes above mentioned shall be ground for extension of time, and in case the Contractor shall be delayed at any time or for any period by two or more of the causes above mentioned, only one period of extension, if any, shall be granted for such delay and the Contractor shall not be entitled to a separate extension for each one of the causes so operating, it being understood that only the actual period of necessary delay, as determined by the Commission, irrespective of the number of causes contributing to produce such delay, will be ground for extension of time.

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 payments to the Contractor after any of such periods shall in no wise operate as a waiver on the part of the City or the Interborough Company of any of its rights under this contract.

CHAPTER IX.

Remedies in Case of Contractor's 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 opinion, and shall so certify in writing to the Commission, that the performance of this 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 not executing the same in good faith and in accordance with the terms hereof, 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, or (in view of the necessity for special skill and ample financial resources in the prosecution of the work) if the Contractor shall become insolvent or bankrupt or if his property or affairs shall be put in the hands of a receiver or receivers, then and in any of such cases

May Take Charge of Work.

(1) The Commission may 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 or such part thereof 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 the property mentioned in Article LIII and remove the Contractor therefrom, 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; and the Interborough Company shall, upon the requirement of the Commission, deduct and pay to the City out of such moneys as may be due or may at any time thereafter grow due to the Contractor from it under and by virtue of this contract, the amount of such expense or such portion thereof as the Commission shall require, to be applied by the City to the payment of such expense, and such moneys so deducted and paid to the City shall be deemed to have been paid to the Contractor by the Interborough Company upon this contract. And in case such expense shall exceed the amount which would have been payable under this 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, the Contractor shall continue the remainder of the work in conformity with the terms of this contract and in such manner as in no wise to hinder or interfere with other contractors of the Commission or 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.

The Contractor shall also in any and every such case and in the case of any and every act, neglect, delay, fault or default of the Contractor, in addition to the liability above expressed, pay to the City as liquidated damages for any delay resulting therefrom in the construction and completion of said portion of said rapid transit railroad which the Contractor herein agrees to construct with its appurtenances the sum of three hundred dollars ($300) for each and every day, except Sundays and legal holidays, of such delay, which sum is hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such delay; and the Contractor shall pay to the City as liquidated damages for any delay resulting therefrom in the completion of all other work contemplated by this contract the sum of one hundred and fifty dollars ($150) for each and every day, except Sundays and legal holidays, of such delay, which sum is hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such delay. 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 other relief or for any other purpose proper under this contract.

Engineer's Certificate of Expense.

Article LXIII. In case the Commission shall by contract or otherwise complete the Works or any part thereof under the provisions of Article LXII, the Engineer, upon the completion of the Works or such part thereof or at any time thereafter upon demand in writing by any party hereto or from time to time during the course of the completion of the Works or such part thereof upon demand by the Commission, shall certify to the amount of the expense incurred by the City in the completion of the Works or such part thereof, and said certificate shall be final and conclusive and admissible in evidence against the Contractor in any litigation arising or growing out of this contract.

City May Use All Remedies.

Article LXIV. The City may avail itself of each and every remedy herein specifically given to the City or now or hereafter existing at law or in equity or by statute, and each and every such remedy shall be in addition to every other remedy so specifically given or otherwise so existing and may be exercised from time to time and as often and in such order as may be deemed expedient by the Commission, and the exercise, or the beginning of the exercise, of one remedy shall not be deemed to be a waiver of the right to exercise, at the same time or thereafter, any other remedy, except that no two inconsistent remedies shall be exercised at the same time.

CHAPTER X.

Miscellaneous Provisions.

Changes in the Contract.

Article LXV. 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, and if any such correction or change affects the obligations of the Interborough Company hereunder, by the Interborough Company; but this provision shall not limit or affect the right to prescribe variations whether of construction or of location of route as in this contract elsewhere provided

Members of Commission or Interborough Not Liable.

Article LXVI. No claim shall be made by the Contractor against any member of the Commission or any officer or director of the Interborough Company personally under or by reason of this contract or any of its articles or provisions.

Contractor Not to Assign, Sublet, Etc.

Article LXVII. 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 and the Interborough Company 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 or the Interborough Company 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 LXVIII. 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 the 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 LXIX. 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 be not 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 LXX. 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 this contract shall forthwith, upon the application of any party, be amended by such insertion so as to comply strictly with the law and without prejudice to the rights of any party hereunder.

Provision in Case of Unlawful Provision.

Article LXXI. 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 to be of no effect and shall, upon the application of any party, be stricken from this contract without affecting the binding force of the contract as it shall remain after omitting such provision.

Interborough Company a Party to the Contract.

Article LXXII. The Interborough Company is a party to this contract solely for the purpose of paying out its contribution toward the cost of construction of the Railroad as provided in the said contract dated March 19, 1913, and the fact that it is a party to this contract with the City and the Contractor shall not deprive it of any rights, claims or remedies which as owner or lessee of any railroad or abutting property or otherwise; it might otherwise possess or assert against the City or the Contractor.

Testimonium.

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 virtue of a 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 Interborough Rapid Transit Company has caused its corporate seal to be hereto affixed and attested by its Secretary and these presents to be signed by its President; and the Contractor has* [hereunto set hand and seal] [caused corporate seal to be hereto affixed and these presents to be executed by proper officers] the day and year first above written.

THE CITY OF NEW YORK, by the PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT.

By ....., Chairman.

Attest: ....., Secretary.

INTERBOROUGH RAPID TRANSIT COMPANY, by ....., President.

Attest: ....., Secretary.

Acknowledgment for Commission.

State of New York, County of New York, ss.:

On the day of , 1915, before me personally appeared Edward E. McCall and Travis H. Whitney, to me known and known to me to be the said Edward E. McCall, the Chairman, and the said Travis H. Whitney, the Secretary of the Public Service Commission for the First District; and the said Edward E. McCall 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 Edward E. McCall, 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 Edward E. McCall and Travis H. Whitney that they know the seal of the said Commission and that one of the seals affixed to the foregoing contract is such seal and that the same was affixed to the foregoing contract by the authority of the said Commission and of a resolution duly adopted by the same.

Acknowledgment for Interborough R. T. Co

State of New York, County of New York, ss.:

On the day of , 1915, before me personally appeared Theodore P. Shonts and H. M. Fisher, to me known and known to me to be the said Theodore P. Shonts, the President, and the said H. M. Fisher, the Secretary, of Interborough Rapid Transit Company, the corporation named in the foregoing contract, and they being by me duly sworn, did depose and say, each for himself and not one for the other, the said Theodore P. Shonts, that he resides in the Borough of Manhattan, in the City, County and State of New York, that he is the President of the said Interborough Rapid Transit Company and that he subscribed his name to the foregoing contract by virtue of the authority thereof; and the said H. M. Fisher, that he resides in Plainfield, in the State of New Jersey, that he is the Secretary of the said Interborough Rapid Transit Company and that he subscribed his name thereto by like authority; and both the said Theodore P. Shonts and H. M. Fisher that they know the seal of the said Interborough Rapid Transit Company and that one of the seals affixed to the foregoing contract is such corporate seal and that the same was affixed to the foregoing contract by the authority of the Board of Directors of Interborough Rapid Transit Company and of a resolution duly adopted by the same.

Acknowledgment for Contractor.

State of New York, County of New York, ss.:

On this day of , 1915, before me personally appeared 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 , 1915, before me personally appeared to me known, who, being by me first duly sworn, did depose and say: That he resides in , in the State of ; that he is of the corporation described in and which executed the foregoing instrument; that he knows the corporate seal of said company; that one of the seals affixed to said contract is 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.

Schedule of Securities.

(Note.—If the Contractor, upon the approval of the Commission, deposits securities in lieu of a bond, a description of such securities with their values shall be inserted below.)

(Form of Contractor's Bond, Form of Contractor's Proposal, Affidavit of Verification and Index follow here.)

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 26, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 18, 1915, the Public Service Commission for the First District transmitted for the consent of your Board a proposed contract to be entered into between The City of New York, acting by said Commission, the Interborough Rapid Transit Company and Henry Newman and James L. Carey, co-partners under the firm name of Newman & Carey, as contractors, for the construction of Section No. 1 of Route No. 29, extending along Nostrand avenue, from Eastern Parkway to south of Church avenue, Brooklyn, at an estimated cost to the City of $103,665.16.

The Commission requested the Board to prescribe the limit of $103,665.16 to the amount of bonds to be made available to meet the City's obligations thereunder and to direct the Comptroller to issue bonds to said amount, such bonds to be charged against the appropriation of $28,200,000 made by the Board on March 18, 1913, for the purposes of Contract No. 3.

This award has been made in an aggregate amount of $2,073,303.20 to the lowest among fourteen bidders. The Interborough Rapid Transit Company is made a party to the contract to the extent of meeting contract payments up to the limit of 95 per cent. of the total esimated amount to be paid on the contract, or the sum of $1,969,638.04, and the City is to pay the difference, $103,665.16, or whatever additional may be necessary to complete the contract.

I recommend the adoption of the attached resolution consenting to the contract award limiting the amount of bonds available and authorizing and directing the Comptroller to issue 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 June 18, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by said Commission, the Interborough Rapid Transit Company, and Henry Newman and James L. Carey, co-partners under the firm name of Newman & Carey, as contractors, for the following purposes:

For the construction by said Newman & Carey of Section No. 1 of Route No. 29, being that portion in the Borough of Brooklyn of the proposed Eastern Parkway Rapid Transit Railroad, beginning at a point under Eastern Parkway about one hundred and ninety-two (192) feet west of the westerly building line of Nostrand avenue, curving thence southerly under Eastern parkway and private property into Nostrand avenue and extending thence southerly under Nostrand avenue to a point about two hundred and twenty (220) feet south of the southerly building line of Church avenue, at an estimated cost to the City of one hundred and three thousand six hundred and sixty-five dollars and sixteen cents ($103,665.16), being five (5) per cent. of the total estimated contract cost of two million seventy-three thousand three hundred and three dollars and twenty cents ($2,073,303.20), the liability of the Interborough Rapid Transit Company under said contract being limited to ninety-five (95) per cent. of the said total estimated contract cost of two million seventy-three thousand three hundred and three dollars and twenty cents ($2,073,303.20), but not exceeding the sum of one million nine hundred and sixty-nine thousand, six hundred and thirty-eight dollars and four cents ($1,969,638.04); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available to meet the City's obligation under said contract shall be one hundred and three thousand six hundred and sixty-five dollars and sixteen cents ($103,665.16); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York in the amount of one hundred and three thousand six hundred and sixty-five dollars and sixteen cents ($103,665.16) at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes set forth in this resolution and as described in the requisition of the said Public Service Commission, dated June 18, 1915, said issue of corporate stock to be charged against the appropriation of twenty-eight million two hundred thousand dollars ($28,200,000) made by this Board on March 18, 1913, for the purposes of Contract No. 3.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Issue of Corporate Stock (Cal. No. 80).

(On June 18, 1915 (Cal. No. 83), the requisition of the Public Service Commission for the First District in this matter was referred to the Comptroller.)

(On July 1, 1915 (Cal. No. 197), the report of the Comptroller was presented to the Board and the matter was laid over until this meeting, under Rule 19.)

The Secretary presented the following communication from the Public Service Commission for the First District and report of the Comptroller recommending approval thereof:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York.

To the Board of Estimate and Apportionment of The City of New York:

The Public Service Commission for the First District is transmitting to your honorable Board for its consent a number of proposed contracts for the supply of track materials for use in the construction of rapid transit railroad and requested that appropriations be made by your honorable Board equal to the estimated expense of carrying the provisions of such contracts, which sum was based upon the estimated quantities and unit prices. It is impossible to estimate exactly in advance the exact quantity of any one of the materials that will be required in connection with a particular portion of work and the experience of the engineers of the Commission has been, in connection with other work of like nature, that the actual quantities

*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.

needed before the completion of the work in all cases due to exigencies and various contingencies have exceeded the estimated quantities. On the prior order, No. 1, of track materials, it was necessary for the Commission to request your honorable Board to appropriate additional moneys to secure additional material and extra work. It is thought advisable at this time, with a view to avoiding delay in the work and probable confusion in the making of payment to the contractors, to request your honorable Board to appropriate the sum of ten thousand dollars ($10,000), to be used as a contingent fund for the purpose of paying for additional quantities of track material which will undoubtedly be required in connection with the subway work. The Public Service Commission for the First District, therefore, in accordance with the provisions of the Rapid Transit Act, being Chapter 4 of the Laws of 1891, as amended, hereby makes 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, in addition to the amounts already authorized to be issued, to provide means for the supply of track materials for use in the construction of rapid transit railroads, to wit, the sum of ten thousand dollars ($10,000).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation, for additional rapid transit railroads, and the appropriation made thereunder by your honorable Board on March 18, 1913.

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 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

(Seal.)

Attest: JAMES B. WALKER, Acting Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 28, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 15, 1915, the Public Service Commission for the First District made requisition on your Board for an appropriation of $10.000 to cover increases in the quantities of track materials which may possibly be needed in completing the contracts transmitted under even date for the approval of the Board for the furnishing of such material for use on Contract No. 4.

The Commission requested the Board to prescribe the limit of $10.000 to the amount of bonds to be made available for such purposes and to direct the Comptroller to issue bonds to said amount, the same to be charged against the appropriation of $60,000,000 made by the Board for the purposes of Contract No. 4.

The amount requested approximates about 4 per cent. of the total cost of the material contracts transmitted for approval by the Commission on the same date.

I am of the opinion that the request should be granted. On contracts for track materials awarded about one year ago this Board was subsequently required to authorize extensions of contract amounts to meet contingencies for small amounts, one as low as $110, necessitating the expenses of reporting, printing, stationery and encumbering the records to almost the same extent as would be required on a million-dollar contract.

I recommend the adoption of the attached resolution consenting to the appropriation requested, and authorizing and directing the Comptroller to issue the necessary corporate stock. Respectfully, WM. A. PRENDERGAST, Comptroller.

(The requisitions covering the proposed contracts mentioned in the above requisition of the Public Service Commission for the First District are printed in connection with Calendar No. 25 of this meeting.)

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 June 15, 1915, the Board of Estimate and Apportionment hereby consents to and authorizes the issue of corporate stock to the amount of ten thousand dollars ($10,000) to provide means for the supply of track materials for use in the construction of rapid transit railroads; for extras on contracts for track material; and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available to meet the requirements of such purpose shall be ten thousand dollars ($10,000); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to the amount of ten thousand dollars ($10,000) at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes stated in the requisition of the said Public Service Commission to this Board dated June 15, 1915, and as set forth in this resolution, said issue of corporate stock to be charged against the appropriation of sixty million dollars ($60,000,000) made by this Board on March 18, 1913, for the purposes of Contract No. 4.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Issue of Special Revenue Bonds (Cal. No. 81).

(On June 18, 1915 (Cal. No. 84), the requisitions of the Public Service Commission for the First District in this matter were referred to the Comptroller.)

(On July 1, 1915 (Cal. No. 198), the report of the Comptroller was presented to the Board and the matter was laid over until this meeting under Rule 19.)

The Secretary presented the following requisitions of the Public Service Commission for the First District and report of the Comptroller recommending approval of the request to the extent of $200,000:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, June 15, 1915.

Board of Estimate and Apportionment of the City of New York:

The Public Service Commission for the First District, in pursuance of a resolution of the Commission adopted June 15, 1915, transmits to you herewith, and as part hereof, a requisition for the sum of one million dollars ($1,000,000) which is now requisite and necessary to enable the said Public Service Commission for the First District to do and perform, or cause to be done and performed, the duties in the said laws prescribed, and to provide an account for the expenses and compensation of the employees of the Commission for the year ending December 31, 1915.

Of the expenses of the Commission over eighty per cent is requested for the performance of the duties of the Commission under the Rapid Transit Act, chapter 4 of the laws of 1891, as amended. The contracts for the Dual Rapid Transit System provide that the engineering expenses of the Commission are to be included as a part of its cost of construction of the rapid transit lines. The remaining portion of the amount now asked for is to pay the expenses of the Commission under its regulatory powers under the Public Service Commissions Law and the Railroad Law.

For carrying on of the rapid transit and the regulatory work there are required during the year, clerical, legal and engineering forces for such important matters as the following:

1. Supervision of additions to the existing subway and the determination of claims for extras on the Brooklyn-Manhattan Rapid Transit Railroad construction under Contract No. 2.
2. Supervision of construction under Dual contract lines. The outstanding contracts under which construction is proceeding, subject to the supervision of the Commission, aggregates over $185,000,000.
3. The preparation of contract plans and detailed plans preliminary to the letting of contracts for construction of the remaining portions of the lines embraced in the Dual Rapid Transit System, upon which the total expenditures by the City, including the sections now under construction, will amount to about $200,000,000.
4. The legalization of additional rapid transit routes.
5. Supervision of plans and contracts of the two operating companies under the Dual System.
6. The expenses necessary in the acquisition of real estate and other rights necessary to rapid transit construction.
7. The necessary printing and advertising required by law.

The regulatory duties of the Commission under the Public Service Commissions Law and the laws other than the Rapid Transit Act involve the maintenance of bureaus for supervision of the character of service and the condition of equipment within New York City, as well as questions arising as to grade crossings; the Bureau of Statistics to examine and pass upon accounts and reports of companies under the jurisdiction of the Commission, the Bureau of Franchises to examine and report upon questions as to franchises—the Legal Department to handle proceedings before the Commission and initiated by the Commission and to give legal advice and to prepare the necessary papers in matters in which the Commission is involved—and an Executive Department to handle the large amount of general executive and administrative work. In the expenses necessary for its regulatory work the increase over last year is only nominal.

The Public Service Commission for the First District therefore makes requisition in accordance with the statute above mentioned and under such resolution, for the sum on account of one million dollars ($1,000,000) for the requisite and necessary expenses for the purposes aforesaid for the remainder of the year ending December 31, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, June 15, 1915.

Board of Estimate and Apportionment of The City of New York:

Requisition is hereby made upon you, pursuant to the provisions of chapter 48 of the Consolidated Laws and chapter 4 of the Laws of 1891, as amended, by the Public Service Commission for the First District for the additional sum on account of one million dollars ($1,000,000) which is now requisite and necessary to enable the said Public Service Commission for the First District to do and perform or cause to be done and performed the duties in the said laws prescribed, and to provide on account for the expenses and compensation of the employees of the Commission for the year ending December 31, 1915.

Appended hereto is a copy of the resolution of the Public Service Commission for the First District authorizing the execution of this requisition, and a communication showing the purposes to which it is intended to apply the appropriation for which this requisition is made.

In witness whereof the Public Service Commission for the First District has caused this requisition to be signed by its Chairman and Secretary and its official seal to be hereto affixed this 15th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 1, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 18, 1915, you referred to me a communication from the Public Service Commission dated June 15, 1915, accompanied by a requisition of that Commission for the sum of one million dollars ($1,000,000) to provide on account for the expenses and compensation of the employees of the Commission for the year ending December 31, 1915.

The Bureau of Contract Supervision reports thereon as follows:

"On January 15, 1915, and April 16, 1915, your Board authorized special revenue bonds to the total amount of $1.850.000, of which sum $1,654,950.45 has been expended, leaving a balance of $195,049.55 available.

"It is estimated that over eighty per cent. of the expenditures of 1915 are to be due to the performance by the Public Service Commission of the duties imposed under the Rapid Transit Act, chapter 4 of the Laws of 1894, as amended, and the remaining portion of the amount is to pay the the expenses of the Commission under its regulatory powers, as set forth in the Public Service Commission Law and in the Railroad Law.

"The contracts of the dual rapid transit system provide that the engineering expenses of the Commission are to be included as a part of the cost of construction of the rapid transit lines, such expenses to be paid from the proceeds of corporate stock to be authorized by the Board of Estimate and Apportionment after the amount has been determined upon by the Public Service Commission. As the balance of the funds available will not be sufficient to meet charges accruing during July it is advisable that pending the determination by the Public Service Commission as to the amount for which corporate stock should be issued that a partial allowance should be made by the authorization of revenue bonds."

In view of the foregoing I recommend the adoption of the attached resolution authorizing the issuance of special revenue bonds to the amount of two hundred thousand dollars ($200,000) to provide, in part, for the expenses and compensation of the employees of the Public Service Commission for the year ending December 31, 1915. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 10, chapter 4, of the Laws of 1891, and section 14, chapter 429, of the Laws of 1907, as amended, and on account of the requisition of the Public Service Commission for the First District, duly made by the Chairman and Secretary thereof on June 15, 1915, for one million dollars ($1,000,000) on account, for the expenses of the Commission for the year ending December 31, 1915, hereby approves of an issue of special revenue bonds of The City of New York to an amount not exceeding two hundred thousand dollars ($200,000), and that the Comptroller be and is hereby authorized, pursuant to the provisions of section 10, chapter 4, of the Laws of 1891 and section 14, chapter 429, of the Laws of 1907, as amended, to issue special revenue bonds of The City of New York to an amount not exceeding two hundred thousand dollars ($200,000) redeemable from the tax levy of the year succeeding the year of their issue, the proceeds to be applied to the purposes aforesaid.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Parks, Borough of Brooklyn—Issue of Special Revenue Bonds (Cal. No. 82).

(On July 1, 1915 (No. 237), the resolution of the Board of Aldermen in this matter was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented the following resolution of the Board of Aldermen:

In the Board of Aldermen.

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 seventeen thousand four hundred and seventy-five dollars ($17,475), the proceeds whereof to be used by the Department of Parks, Borough of Brooklyn, for the purpose of operating the Betsy Head Memorial Playground from August 1 to December 31, 1915:

Personal Service	$8,830 00
Playground Equipment	1,000 00
Wearing Apparel	4,500 00
General Plant Equipment	525 00
Educational and Recreational Equipment	275 00
Fuel Supplies	1,075 00
General Plant Supplies	42 00
Laundry, Cleaning and Disinfecting Supplies	1,228 00
	$17,475 00

Adopted by the Board of Aldermen June 22, 1915, three-fourths of all the members elected voting in favor thereof.

Approved by the Mayor June 29, 1915.

P. J. SCULLY, Clerk.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on June 22, 1915, and approved by the Mayor June 29, 1915, requesting an issue of special revenue bonds in the sum of seventeen thousand four hundred and seventy-five dollars ($17,475), the proceeds thereof to be used by the Department of Parks, Borough of Brooklyn, for the purpose of operating the Betsy Head Memorial Playground from August 1 to December 31, 1915, 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 seventeen thousand four hundred and seventy-five dollars ($17,475), redeemable from the tax levy of the year succeeding the year of their issue, provided that all obligations contracted for hereunder be incurred during the year 1915, and further provided that no expenditures of the proceeds of bonds herein authorized shall be made until the schedules of Personal Service, Supplies and Equipment, shall have been approved by the Board of Estimate and Apportionment or its duly accredited representative.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

White Plains Road, Between the Bulkhead Line and the Pierhead Line, Borough of The Bronx—Acquiring Title to Sewer Easement.

White Plains Road, from Its Former Southerly Terminus to the Bulkhead Line of the East River, Borough of The Bronx—Acquiring Title in Fee (Cal. No. 83).

(At the meeting of the Board of Estimate and Apportionment held on January 8, 1915 (Cal. No. 50), the report of the Chief Engineer of the Board relative to this proceeding was presented and the matter was referred to the Corporation Counsel with the request that he advise the Board whether, in view of the facts stated in the report of the Chief Engineer, it will be necessary for the City to institute the proposed condemnation proceedings in order to acquire the fee title and easement in question, and whether in case the contention of the Chief Engineer, that the City has already sufficient title, is sustained, it will be necessary to file a map showing the area between the bulkhead and pierhead lines, which it is proposed to use for the construction of a sewer.)

(On July 1, 1915 (Cal. No. 77), the matter was laid over until this meeting.)

The Secretary presented a communication, dated June 14, 1915, from Hon. Cyrus C. Miller, transmitting the following deed of cession to the extension of White Plains Avenue, in the Borough of The Bronx, and an easement for the sewer from the Estate of Bradish Johnson to The City of New York; and report thereon by the Corporation Counsel:

This indenture, made the 10th day of June in the year one thousand nine hundred and fifteen, between the Estate of Bradish Johnson, Incorporated, a domestic corporation, having its principal office at No. 39 Cortlandt Street, in the City of New York, Borough of Manhattan, party of the first part, and The City of New York, a municipal corporation, party of the second part:

Whereas, the party of the first part is the owner of the following described land and of all the estate therein embraced within the lines of White Plains Avenue, laid down and shown on Section — of the map or plan of The City of New York, in the Borough of Bronx, and is willing to cede the same to The City of New York.

Witnesseth that the said party of the first part, in consideration of the sum of One Dollar, lawful money of the United States of America, paid to the said party of the first part, the receipt whereof is hereby acknowledged, does hereby grant, bargain and sell, release and convey unto the said party of the second part and its successors, forever, all that certain piece or parcel of land situate, lying and being in The City of New York, Borough of The Bronx, County of Bronx, and State of New York, and shown as a portion of White Plains Avenue on the aforesaid map, and being more particularly shown on a map entitled, "Map showing the locating, lying out and grades of the extention of White Plains Road from the former U. S. Bulkhead Line to the present U. S. Bulkhead Line of the East River," which map was filed in the office of the President of the Borough of The Bronx on October 26, 1914, in the office of the Register of Bronx County, on October 26, 1914, as Map No. 57, and in the office of the Counsel to the Corporation of the City of New York on October 26, 1914, in pigeonhole 216, which premises hereby conveyed are described as follows, viz: Beginning at the intersection of the southern and eastern lines of White Plains Road as legally acquired October 18, 1912, and running:

1. Thence westerly along said southern line of White Plains Road for 102.276 feet to the western line of White Plains Road;
2. Thence southerly along last mentioned line for 224.784 feet to the U. S. Bulkhead Line;
3. Thence easterly along last mentioned line for 100.882 feet to the eastern line of White Plains Road;
4. Thence northerly along last mentioned line for 216.638 feet to the point of beginning.

And also an easement for sewer purposes as follows: Beginning at a point in the U. S. Bulkhead Line distant 25.22 feet westerly from the intersection of said line with the eastern line of White Plains Road.

1. Thence westerly along said U. S. Bulkhead Line for 50.441 feet;
2. Thence southerly deflecting 97 degrees, 34 minutes, 56.5 seconds to the left for 137.458 feet to the former U. S. Pierhead Line;
3. Thence easterly along last mentioned line for 50.162 feet;
4. Thence northerly for 134.835 feet to the point of beginning.

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises. It being the intention of the Grantor to convey all land in said street and all the estate therein that it may own.

To have and to hold the above granted premises unto the said City of New York and its successors forever in fee, in trust for street purposes, as fully as if the same had been acquired by condemnation proceedings.

And the said party of the first part does covenant with the said party of the second part as follows:

First, that the said party of the first part is seized of the premises in fee simple, and has a good right to convey the same.

Second, that the said premises are free from incumbrances.

In witness whereof the said party of the first part has hereunto caused its corporate seal to be affixed and signed by its President the day and year first above written.

ESTATE OF BRADISH JOHNSON (Inc.), BRADISH JOHNSON, President.

In the presence of L. OLWELL BYRON, Assistant Secretary.

(Seal.)

State of New York, County of New York, City of New York, ss.:

On the 10th day of June, in the year 1915, before me personally came Bradish Johnson, to me known, who, being by me duly sworn did depose and say that he resides in Islip, L. I.; that he is the President of the Estate of Bradish Johnson, Incorporated, 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.

WILLIAM H. GEE, Notary Public, New York County, No. 1267. Registered No. 6002.

(Seal.)

State of New York, County of New York, ss.: No. 17314.

I, William F. Schneider, Clerk of the County of New York, and also Clerk of the Supreme Court for the said County, the same being a Court of Record, do hereby certify that William H. Gee, whose name is subscribed to the deposition or certificate of the proof or acknowledgment of the annexed instrument, and thereon written, was, at the time of taking such deposition, or proof and acknowledgment, a Notary Public in and for such County, duly commissioned and sworn, and authorized by the laws of said State to take depositions and to administer oaths to be used in any Court of said State and for general purposes; and also to take acknowledgments and proofs of deeds, of conveyances for land, tenements and hereditaments in said State of New York. And further, that I am well acquainted with the handwriting of such Notary Public, and verily believe that the signature to said deposition or certificate of proof or acknowledgment is genuine.

In testimony whereof, I have hereunto set my hand and affixed the seal of the said Court and County the day of , 191 .

(Seal.) WILLIAM F. SCHNEIDER, Clerk.

The People of The State of New York, by the Grace of God Free and Independent, to all to whom these presents shall come, Greeting:

Know ye, that we have given and granted, and by these presents do give and grant unto Bradish Johnson, Henry M. Johnson, Schuyler M. Parsons and Stephen Whitney, as Executors and Trustees under the will of Bradish Johnson, deceased, for the share or portion of his residuary estate devised to them in trust for Lucy A. Carroll, and to Bradish Johnson, Henry M. Johnson, Effingham L. Johnson, Louisa J. Whitney, Sarah R. Forsyth, Helena J. Parsons, Cuthbert S. Johnson, Louisa J. Townsend, Louisa W. Dickey, Hanna E. L. Whitney, Henry Whitney and Lawrence Whitney, the land under water and between high and low water mark, described as follows, to wit:

All those two certain pieces or parcels of land under waters of the East River and Westchester Creek, in front of and adjacent to uplands of the grantees herein, in the town of Westchester, in our County of Westchester, described as follows, to wit:

Parcel "A." Beginning at a point in the westerly line of lands of the estate of Bradish Johnson, deceased, known as lot number thirty-seven, where the high water line of East River crosses said line, and runs from thence in continuation of said westerly line, south twelve degrees and ten minutes west, five hundred eighty-four feet to the pierhead line established by the United States Government January ninth, eighteen hundred and ninety-one; thence along said pierhead line north eighty-nine degrees and eleven minutes east, four hundred eighty-six feet to the southwesterly corner of lands under water granted to Clinton Stephens; thence along the westerly line of said Stephens' land under water north twelve degrees and ten minutes east, five hundred feet to high water mark; thence westerly along said high water mark to the place of beginning, containing five and nine-tenths acres of land under water.

Parcel "B." Beginning at a point in the easterly line of the highway leading from the village of Westchester to Clasons Point, where the high water line of East River crosses said line, and runs from thence in continuation of said line of said highway south forty-four degrees and forty-five minutes east one hundred ninety-four feet to the pierhead line established by the United States Government January ninth, eighteen hundred and ninety-one; thence curving northerly along said pierhead line two hundred three feet; thence tangent to the last mentioned curved line and along said pierhead line north one degree and forty-one minutes east, five hundred ninety-five feet; thence at right angles to said pierhead line north eighty-eight degrees and nineteen minutes west four hundred thirty feet to high water mark at the northeasterly corner of lands of the estate of Bradish Johnson, deceased, known as lot number thirty-one; thence southerly and westerly along said high water mark to the place of beginning, containing four and five hundred seventy-five thousandths acres of land under water.

To have and to hold in the same shares and proportions, and upon the same estates and trusts as the said upland now adjoining the said premises is now owned and possessed by the grantees herein as the devisees of the residuary estate of Bradish Johnson, the elder, deceased.

These letters patent are issued pursuant to a resolution of the Commissioners of the Land Office, adopted April 10, 1895.

In witness whereof, we have caused these our Letters be made Patent, and the Great Seal of our said State to be hereunto affixed.

Witness:

LEVI P. MORTON (L. S.), Governor of our said State, at our City of Albany the tenth day of April in the year of our Lord one thousand eight hundred and ninety-five. LEVI P. MORTON.

Passed the Secretary's Office the tenth day of April, 1895.

ANDREW DAVIDSON, Deputy Secretary of State.

Examined and compared with the original.

ANDREW DAVIDSON, Deputy Secretary of State.

State of New York, Office of the Secretary of State, ss.:

I have compared the preceding copy of letters patent with the record thereof in this office in Book Number 50 of Patents at page 291, and I do hereby certify the same to be a correct transcript therefrom, and of the whole thereof.

Witness my hand and seal of office of the Secretary of State at the City of Albany, the fifth day of March, one thousand nine hundred and fifteen.

(Seal.) (Signed) C. W. TAFT, Second Deputy Secretary of State.

(Revenue Stamp.)

City of New York, Law Department, Office of the Corporation Counsel, New York, June 24, 1915.

Board of Estimate and Apportionment:

Gentlemen—I am in receipt of a communication, dated January 9, 1915, addressed to the Corporation Counsel by your Secretary, Mr. Joseph Haag, transmitting a copy of a report of the Chief Engineer of the Board relative to a resolution of the Local Board of Chester District initiating proceedings for the acquisition of title to White Plains Road, from its former southerly terminus to the bulkhead line of the East River.

The Secretary in his letter states:

> "At the meeting of the Board of Estimate and Apportionment on January 8, 1915, this matter was referred to the Corporation Counsel with the request that he advise the Board whether, in view of the facts stated in the report of the Chief Engineer, it will be necessary for the City to institute the proposed condemnation proceedings in order to acquire the fee, title and easement in question; and with the further request that he inform the Board whether, in case the contention of the Chief Engineer that the City already has sufficient title is sustained, it will be necessary to file a map showing the area between the bulkhead and pierhead lines, which it is proposed to use for the construction of the sewer."

In reply, I beg to advise you that the Estate of Bradish Johnson, Inc., the owner of the land between the former United States bulkhead line and the former United State pierhead line, and through which land White Plains Road would run if extended to the present United States bulkhead line, as shown upon a map filed in the office of the Register of Bronx County on October 26, 1914, as Map No. 57, has executed and delivered to the Corporation Counsel a deed ceding so much of the property as lies within the lines of said White Plains Road between its terminus at the former United States bulkhead line and the present United States bulkhead line, for street purposes, and an easement for sewer purposes in the land situated between the present United States bulkhead line and the former United States pierhead line, as shown upon sewer easement map dated April 15, 1914.

The deed is given upon the condition that the Board of Estimate and Apportionment takes such action, pursuant to the provisions of section 971 of the Greater New York Charter, as amended by chapter 606 of the Laws of 1915, as will insure the Bradish Johnson Estate, Inc., exemption from assessment on account of the improvement.

I transmit herewith a copy of a letter from Hon. Cyrus C. Miller, dated June 14, 1915, the deed of cession from the Estate of Bradish Johnson, Inc., to The City of New York, and other papers and blueprints showing the land described in said deed needed for the extension of said White Plains Road, in the Borough of The Bronx.

If the Board adopt a resolution allowing the grantor an exemption from assessment for this improvement, the title to the property within the lines of White Plains Road, between the former United States bulkhead line and the present United States bulkhead line, and an easement for sewer purposes in the land between the present United States bulkhead line and the former United States pierhead line, will pass to The City of New York in trust for street purposes, and it will not be necessary to institute a proceeding to acquire the same.

I would recommend that such a resolution be adopted by your Board.

The City of New York, by virtue of the Greater New York Charter, as amended, is authorized to continue the sewer from the former United States pierhead line to the present United States pierhead line. Respectfully yours,

FRANK L. POLK, Corporation Counsel.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the map showing the locating and laying out of an easement on the prolongation of White Plains Road extending from the U. S. Bulkhead Line to the U. S. Pierhead Line of the East River, Borough of The Bronx, bearing the signature of the President of said Borough and dated April 15, 1914.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

The following was offered:

Whereas, The Estate of Bradish Johnson, Incorporated, under date of June 10, 1915, has executed a deed of cession conveying to The City of New York land within the lines of White Plains Road between its former southerly terminus and the bulkhead line of the East River; and an easement for sewer purposes in a parcel of land at the foot of White Plains Road extending from the United States Bulkhead Line to the former United States Pierhead Line, Borough of The Bronx; be it

Resolved, That the Board of Estimate and Apportionment, subject to the approval of the Board of Commissioners of the Sinking Fund, as required by the provisions of section 971 of the Greater New York Charter, as amended by chapter 606 of the Laws of 1915, accepts the aforesaid deed of cession; and determines that the grantor shall not be subject to an assessment in any proceeding for acquiring title to White Plains Road, or to an easement for sewer purposes in the section between its former southerly terminus and the pierhead line of the East River, Borough of The Bronx.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Court House Board; President, Borough of Manhattan—Issue of Corporate Stock (Cal. No. 84).

The Secretary presented a communication, dated June 4, 1915, from the President, Borough of Manhattan, requesting that the sum of $7,281.25 be made available for the preparation of surveys, maps and plans, etc., in connection with the construction of temporary roadways within the area of the Court House site, in pursuance of resolution adopted April 30, 1915 (Cal. No. 182).

(On June 4, 1915 (No. 82), the above mentioned communication was presented to the Board and the matter was laid over and referred to the Committee on Corporate Stock Budget for report on June 11, 1915.)

(On June 11, 18 and 25 and on July 1, 1915, the matter was laid over; on the latter date (Cal. No. 138) until this meeting.)

The matter was referred to the Committee on the City Plan and to the Committee on Corporate Stock Budget.

MATTERS CONSIDERED BY UNANIMOUS CONSENT.

The following matters, not on the Calendar for this day, were considered by unanimous consent:

Board of Water Supply—Approval of Agreements with the Towns of Mount Pleasant and North Castle (No. 85).

(On June 25, 1915 (Cal. No. 172), the request of the Board of Water Supply in this matter was referred to the Chief Engineer and the Comptroller.)

The Secretary presented the following:

Board of Water Supply, City of New York, Municipal Building, New York, June 22, 1915.

Board of Estimate and Apportionment, Municipal Building, N. Y. City:

Gentlemen—Referring to the matter of the Kensico highway system and the supplementary map, which was presented to your Board at a meeting held August 27, 1914, and referred to the Committee on Corporate Stock Budget, on December 4, 1914, said committee reported to your Board, recommending the approval of the maps and in general approving the agreement calling for the payment of $65,000 to the Towns of Mount Pleasant and North Castle.

The general Kensico Highway map, as amended by the supplementary map, was approved by order of the Supreme Court dated January 4, 1915, and duly entered in the office of the Clerk of Westchester County on the 25th day of March, 1915. Commissioners of Appraisal in this matter took their oaths of office on April 3, 1915.

There are enclosed herewith agreements calling for the payment of $60,000 to the Town of Mount Pleasant and $5,000 to the Town of North Castle, which have been prepared to bring to a conclusion the matters as set forth in the order of the Supreme Court dated June 29, 1914. These agreements have been approved by the Board of Water Supply at a meeting held June 22, 1915, and the following resolutions adopted:

(1) 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 the proposed agreement with the Town of Mount Pleasant whereby the said Town of Mount Pleasant, upon the receipt of the sum of sixty thousand dollars ($60,000) from The City of New York, releases to the said City of New York the easements in the highways to be abandoned, situated in said town and lying within the exterior boundaries of the real estate acquired for Kensico reservoir and its appurtenances, and whereby the said town also releases the said city from all claims which it may have against the said city for compensation, damages and expenses, direct or indirect, by reason of the closing of the highways to be discontinued and for the construction, building and maintenance of the substituted highways, all as set forth in the agreement and in a certain order of the Supreme Court of Westchester County, dated June 29, 1914; further

Resolved, That the Secretary of the Board of Water Supply be directed to submit such proposed agreement to the Corporation Counsel for approval as to form and, when so approved, to send the same to the Board of Estimate and Apportionment for its approval.

(2) 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 the proposed agreement with the Town of North Castle, whereby the said Town of North Castle, upon the receipt of the sum of five thousand dollars ($5,000) from The City of New York, releases to the said City of New York the easements in the highways to be abandoned, situated in said town and lying within the exterior boundaries of the real estate acquired for Kensico reservoir and its appurtenances, and whereby the said town also releases the said city from all claims which it may have against the said city for compensation, damages and expenses, direct or indirect, by reason of the closing of the highways to be discontinued and for the construction, building and maintenance of the substituted highways, all as set forth in the agreement and in a certain order of the Supreme Court of Westchester County, dated June 29, 1914; further

Resolved, That the Secretary of the Board of Water Supply be directed to submit such proposed agreement to the Corporation Counsel for approval as to form and, when so approved, to send the same to the Board of Estimate and Apportionment for its approval.

We respectfully request that these agreements be approved by your honorable Board. Yours very truly,

BOARD OF WATER SUPPLY, W. BRUCE COBB, Secretary.

Board of Water Supply, City of New York, Municipal Building, New York, July 3, 1915.

Mr. NELSON P. LEWIS, *Chief Engineer, Board of Estimate and Apportionment,* Municipal Building, New York City:

Dear Sir—Referring to letter of June 22, 1915, concerning the Kensico highway system, there is a possible ambiguity in the second paragraph of that letter which should be cleared. The Commissioners of Appraisal mentioned in the last sentence of that paragraph were appointed pursuant to an advertisement appearing in the CITY RECORD October 17 to November 29, 1913, and referring solely to property shown on the map adopted by the Board of Estimate and Apportionment June 19, 1913. The additional parcels to be acquired for highway purposes, shown on a supplementary sheet adopted by the Board of Estimate and Apportionment December 4, 1914 are not included in these proceedings. Very truly yours,

BOARD OF WATER SUPPLY, RALPH T. STANTON, Assistant Secretary.

The Committee, consisting of the Comptroller and the Chief Engineer of the Board, to which was referred on June 25th, 1915, a communication from the Board of Water Supply, submitting proposed agreements with the Towns of Mt. Pleasant and North Castle relative to certain roads in said towns in the neighborhood of the Kensico Reservoir, reported verbally that the proposed agreements are in line with action heretofore taken by the Board of Estimate and Apportionment in approving certain maps and in authorizing, upon the recommendation of the Corporate Stock Budget Committee, the payment of $60,000 to the town of Mt. Pleasant and of $5,000 to the town of North Castle. The agreements have been approved as to form by the Corporation Counsel, have been approved by the Board of Water Supply in accordance with the provisions of chapter 724 of the Laws of 1905, and the following resolutions are submitted with the recommendation that they be adopted.

The Secretary presented the following:

Agreement, made and entered into this day of , in the year one thousand nine hundred and fifteen, between the City of New York, by the Board of Water Supply of the City of New York, party of the first part, and the Town of North Castle, a municipal corporation, one of the townships in the County of Westchester, State of New York, by the Supervisor, Town Board and Commissioner of Highways of said town, party of the second part, witnesseth, as follows:

Whereas, title in fee to certain real estate in said Town of North Castle has by virtue of chapter 724 of the Laws of 1905, as amended, become vested in said City of New York; and

Whereas, because of the construction of the new Kensico reservoir under the provisions of said Act certain public routes and highways located in said Town of North Castle will be flooded with water, making necessary various changes in the location and grade of said routes and highways; and

Whereas, by reason of said flooding and highway changes, the party of the first part has been compelled to take possession of certain portions of said highways and to substitute others therefor, all pursuant to said chapter 724 of the Laws of 1905, as amended, which changes and substitutions are shown on a map entitled: "Board of Water Supply of the City of New York, Map showing highways to be discontinued and real estate to be substituted therefor, situated in the Towns of Mount Pleasant, Harrison and North Castle, County of Westchester, State of New York, under the provisions of chapter 724 of the Laws of 1905, as amended, in connection with the construction of Kensico Reservoir and appurtenances"—said map having been duly filed in the office of the Register of the County of Westchester on the 7th day of October, 1913, and the same being thereafter amended by showing thereon certain additional highway routes more fully set forth and described in an order of the Supreme Court, Westchester County, dated the 29th day of June, 1914, and entered in the office of the Clerk of said County of Westchester on the 6th day of July, 1914, said routes being shown on a map entitled: "Board of Water Supply of the City of New York, Map showing change in Kensico Highway System and real estate to be substituted therefor and additional real estate to be acquired, situated in the Towns of Mount Pleasant and North Castle, County of Westchester and State of New York," and dated July 14, 1914, said map having been duly filed in the office of the Register of the County of Westchester on the 14th day of December, 1914, and the said highway routes shown on both said maps having been duly approved by said Supreme Court by order dated the 4th day of January, 1915, and duly entered in the office of the Clerk of the County of Westchester on the 25th day of March, 1915; the first mentioned map having been amended pursuant to and in conformity with an order of the said Supreme Court dated June 29, 1914; and

Whereas, pursuant to section 35, chapter 724 of the Laws of 1905, as amended, the said City of New York is required to build and construct such highways as may be made necessary by the construction of any reservoir under such Act; and

Whereas, the substituted highway routes shown on the said last mentioned map, dated July 14, 1914, and approved by order of the Supreme Court, will require the City of New York to dedicate additional real estate for highway purposes; and

Whereas, the said Town of North Castle desires to change the line and grade and otherwise improve Cooney Hill Road as shown on the said last mentioned map; and

Whereas, the said Board of Water Supply of the City of New York and the said Town Board of the Town of North Castle did, as appears from said order of the Court dated June 29, 1914, for the purpose of arriving at an agreement with respect to the matters herein above set forth, stipulate, subject to the approval of said Supreme Court and the Board of Estimate and Apportionment of the City of New York, as follows:

First—The Town of North Castle will agree to the substituted highway routes as modified and will agree to relinquish all claims for compensation, damages and expenses, direct or indirect, which it may have against the City of New York by reason of the closing of the highways to be discontinued and for the construction, building or maintenance of said substituted highways upon a payment to it of the sum of Five Thousand ($5,000) Dollars by the City of New York to be applied by said Town to the construction and building of said highway on that portion of the substituted route known as the Cooney Hill Road, and if the Town in constructing said highway should raise or lower the grades of any existing highway whereby any adjacent or abutting owners are damaged it will agree to hold the City of New York harmless from damages caused thereby and indemnify the City of New York if it is compelled to pay any damages by reason of said change of grade.

Second—The Board of Water Supply on its part, in lieu of building and constructing the new highway in the Town of North Castle required by the modification hereinafter set forth, agrees to pay to the Town of North Castle the sum of Five Thousand ($5,000) Dollars as full compensation and liquidated damages and expenses, direct or indirect, by reason of the closing of the highways to be discontinued and for the construction, building or maintenance of said substituted highways; said sum of Five Thousand ($5,000) Dollars to be applied by said Town to the construction and building of said highways on that portion of the substituted routes as herein modified, known as the Cooney Hill Road; and

Whereas, said Board of Estimate and Apportionment has, by resolution adopted the day of , 1915, duly approved and authorized the making of this agreement.

Now therefore, in consideration of the sum of Five Thousand ($5,000) Dollars lawful money of the United States of America, paid to the party of the second part by the party of the first part, the receipt whereof is hereby acknowledged, said party of the second part does hereby grant, convey and release unto the said City of New York the easements in the highways to be abandoned situated in said Town of North Castle and lying within the exterior boundaries of the real estate heretofore acquired by the said City of New York for the construction of Kensico Reservoir and its appurtenances, shown and designated on the above mentioned maps; and the said party of the second part hereby releases and discharges the City of New York, the party of the first part, of and from all claims which it, the said party of the second part, may have against the City of New York, party of the first part, for compensation, damages and expenses, direct or indirect, by reason of the closing of the highways to be discontinued and for the construction, building and maintenance of said substituted highways; and

It is further agreed, as part of the consideration herein, that the said Town of North Castle, party of the second part, will construct upon the highway route known as Cooney Hill Road, shown on the said last mentioned map and approved by said Supreme Court, a good and sufficient highway, such as the said City of New York would be required to build under section 35 of chapter 724 of the Laws of 1905, as amended; and

It is further agreed, as part of the consideration herein, that the said highway will be constructed by the said party of the second part within one full working season after the receipt of the consideration herein; and

It is further agreed, as part of the consideration herein, that the said party of the second part will hold the said City of New York, party of the first part, harmless from any and all damages arising from the construction of said highway and from any and all damages to adjacent or abutting owners that may arise from changing the grades of said highway, and will indemnify said City of New York for any damages it may be compelled to pay by reason of such changes of grade; and

It is further agreed, as part of the consideration herein, that the said Town of North Castle, party of the second part, will furnish a bond or undertaking of some good and responsible fidelity or surety company duly authorized to do business within the State of New York, in the sum of Five Thousand ($5,000) Dollars, for the faithful observance of the conditions of this agreement.

In witness whereof, the parties to these presents have caused the same to be executed in triplicate, the day and year first above written.

BOARD OF WATER SUPPLY, ..., Commissioners.

Attest: ....., Secretary.

TOWN OF NORTH CASTLE, ..., Supervisor; ....., Commissioner of Highways; ....., Members of Town Board.

State of New York, County of New York, ss.:

On this day of , One thousand nine hundred and fifteen, before me, personally came , constituting the Board of Water Supply of the City of New York, to me personally

known and known to me to be the members of the Board of Water Supply of the City of New York, and persons described in and who executed the foregoing instrument, and they severally duly acknowledged to me that they executed the same for and on behalf of the City of New York, and for the purposes therein mentioned.

.....

Approved as to form. LOUIS H. HAHLO, Acting Corporation Counsel.

State of New York, County of , ss.:

On the day of , One thousand nine hundred and fifteen, before me personally came , Supervisor of the Town of North Castle, and , Commissioner of Highways, and , constituting the members of the Town Board of the said Town of North Castle, to me known, who, being each by me duly sworn, did severally depose and say: that the said resides in the Town of North Castle and is the Supervisor of the said Town of North Castle, and that the said is Commissioner of Highways, and that the said reside in the Town of North Castle, and are members of the Town Board of the said Town of North Castle, the Corporation described in and which by said Supervisor and Commissioner of Highways and Town Board executed the above instrument, the said Town of North Castle having no corporate seal, and that they each executed the above instrument as the act and deed of said Town and by order of the Town Board thereof, and that they each signed his name thereto by like order.

.....

The following was offered:

Whereas, The Board of Water Supply, at a meeting held on June 22, 1915, 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, duly approved of a proposed agreement between The City of New York by the Board of Water Supply and the Town of North Castle, County of Westchester, State of New York, whereby the said Town of North Castle upon receipt of the sum of five thousand dollars ($5,000) releases to The City of New York the easements in the highways to be abandoned, situated in said town and lying within the exterior boundaries of the real estate acquired for Kensico reservoir and its appurtenances, and whereby said town also releases The City of New York from all claims which it may have against the said City for compensations, damages and expenses, direct or indirect, by reason of the closing of the highways to be discontinued and for the construction, building and maintenance of the substituted highways, as set forth in the said agreement and in a certain order of the Supreme Court of Westchester County, dated June 29, 1914; and

Whereas, The said proposed agreement was duly approved, as to form, by the Corporation Counsel on June 24, 1915, and was submitted to the Board of Estimate and Apportionment for approval by the Board of Water Supply on June 22, 1915; now, therefore, be it

Resolved, That the Board of Estimate and Apportionment hereby approves of a proposed agreement between The City of New York and the Town of North Castle, County of Westchester, State of New York, as submitted by the Board of Water Supply on June 22, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

The Secretary presented the following:

Agreement, made and entered into this day of , in the year one thousand nine hundred and fifteen, between The City of New York, by the Board of Water Supply of The City of New York, party of the first part, and the Town of Mount Pleasant, a municipal corporation, one of the townships in the County of Westchester, State of New York, by the Supervisor, Town Board, and Commissioner of Highways of said town, party of the second part, witnesseth as follows:

Whereas, title in fee to certain real estate in said town of Mount Pleasant has by virtue of chapter 724 of the Laws of 1905, as amended, become vested in said City of New York; and

Whereas, because of the construction of the new Kensico Reservoir under the provision of said Act, certain public routes and highways located in said town of Mount Pleasant will be flooded with water, making necessary various changes in the location and grade of said routes and highways; and

Whereas, by reason of said flooding and highway changes, the party of the first part has been compelled to take possession of certain portions of said highways and to substitute others therefor, all pursuant to said chapter 724 of the Laws of 1905, as amended, which changes and substitutions are shown on a map entitled: "Board of Water Supply of The City of New York, Map showing highways to be discontinued and real estate to be substituted therefor, situated in the towns of Mount Pleasant, Harrison and North Castle, County of Westchester, State of New York, under the provisions of chapter 724 of the Laws of 1905, as amended, in connection with the construction of Kensico Reservoir and appurtenances," said map having been duly filed in the office of the Register of the County of Westchester on the 7th day of October, 1913, and the same being thereafter amended by showing thereon certain additional highway routes more fully set forth and described in an order of the Supreme Court, Westchester County, dated the 29th day of June, 1914, and entered in the office of the Clerk of said County of Westchester on the 6th day of July, 1914, said routes being shown on a map entitled: "Board of Water Supply of The City of New York, Map showing change in Kensico Highway System and real estate to be substituted therefor and additional real estate to be acquired, situated in the towns of Mount Pleasant and North Castle, County of Weschester, and State of New York," and dated July 14, 1914, said map having been duly filed in the office of the Register of the County of Westchester on the 14th day of December, 1914, and the said highway routes shown on both said maps having been duly approved by said Supreme Court by order dated the 4th day of January, 1915, and duly entered in the office of the Clerk of the County of Westchester on the 25th day of March, 1915; the first mentioned map having been amended pursuant to and in conformity with an order of the said Supreme Court dated June 29th, 1914; and

Whereas, pursuant to section 35, chapter 724 of the Laws of 1905, as amended, the said City of New York is required to build and construct such highways as may be made necessary by the construction of any reservoir under such Act; and

Whereas, the substituted highway routes shown on the last mentioned map dated the 14th day of July, 1914, and approved by order of the Supreme Court as aforesaid, will require The City of New York to acquire additional real estate for highway purposes; and

Whereas, said town of Mount Pleasant desires to improve with bituminous macadam pavement similar to that now laid on Columbus Avenue, in said town, all that portion of the substituted routes for new highways shown on said last mentioned map, except Cooney Hill Road, situate outside of said town of Mount Pleasant; and.

Whereas, the said Board of Water Supply of The City of New York and the said Town Board of the town of Mount Pleasant did, as appears from said order of Court dated June 29, 1914, for the purpose of arriving at an agreement with respect to the matters hereinabove set forth, stipulate, subject to the approval of said Supreme Court and the Board of Estimate and Apportionment of The City of New York, as follows:

I. The Town of Mount Pleasant will agree to the substituted highway routes as modified, and will furnish free of expense to The City of New York the perpetual use of the additional real estate required for highway purposes, and agree to relinquish all claims for compensation, damages and expense, direct or indirect, which it may have against The City of New York by reason of the closing of the highways to be discontinued and for the construction, building or maintenance of said substituted highways, upon a payment to it of the sum of Sixty Thousand ($60,000) Dollars by The City of New York to be applied by said Town to the construction and building of said highways on that portion of the substituted routes as herein modified, except the Cooney Hill Road (which road is situated outside of the Town of Mount Pleasant). And if the town in constructing said highways should raise or lower the grades of any existing highways whereby any adjacent or abutting owners are damaged thereby, it will agree to hold The City of New York harmless from damages caused thereby and indemnify it, if the said City of New York is compelled to pay any damages by reason of said change of grade.

II. The Board of Water Supply agreed on its part, in lieu of acquiring by condemnation proceedings the additional real estate required by the modification hereafter set forth, and building and constructing the new highways required thereby, except the Cooney Hill Road, hereby agrees to pay to the Town of Mount Pleasant the sum of Sixty Thousand ($60,000) Dollars as full compensation and liquidated damages and expenses direct or indirect to said Town by reason of the closing of the highways to be discontinued and for the construction, building or maintenance of said substituted highways; said sum of Sixty Thousand ($60,000) Dollars to be applied by said Town to the construction and building of said highways on that portion of the substituted routes as herein modified (except the Cooney Hill route) and also of paying the cost of improving that part of Route Q from the North Castle boundary line to King Street, which agreement was approved by and is more specifically set forth in the order of the Supreme Court dated June 29, 1914, herein; and

Whereas, said Board of Estimate and Apportionment has, by resolution adopted the day of , 1915, duly approved and authorized the making of this agreement;

Now, therefore, in consideration of the sum of Sixty Thousand ($60,000) Dollars lawful money of the United States of America paid to the party of the second part by the party of the first part, the receipt whereof is hereby acknowledged, said party of the second part does hereby grant, convey and release unto the said City of New York the easements in the highways to be abandoned situated in said town of Mount Pleasant and lying within the exterior boundaries of the real estate heretofore acquired by the said City of New York for the construction of Kensico Reservoir and its appurtenances, shown and designated on the above mentioned maps; and the said town of Mount Pleasant, party of the second part, hereby releases and discharges The City of New York, the party of the first part, of and from all claims which it, the said party of the second part, may have against The City of New York, party of the first part, for compensation, damages and expense, direct or indirect, by reason of the closing of the highways to be discontinued and for the construction, building and maintenance of said substituted highways; and

It is further agreed, as part of the consideration herein, that the said town of Mount Pleasant, party of the second part, will construct upon the highway routes shown on said last mentioned map and approved by the said Supreme Court, except Cooney Hill Road, as aforesaid, good and sufficient highways such as the said City of New York would be required to build under section 35 of chapter 724 of the Laws of 1905, as amended; and

It is further agreed, as part of the consideration herein, that the said highways will be constructed by the said party of the second part within one full working season after the receipt of the consideration herein; and

It is further agreed, as part of the consideration herein, that the said party of the second part will hold the said City of New York, party of the first part, harmless from any and all damages arising from the construction of said highways and from any and all damages to adjacent or abutting owners that may arise from changing the grades of any existing highways, and will indemnify said City of New York for any damages it may be compelled to pay by reason of such changes of grade; and

It is further agreed, as part of the consideration herein, that the said party of the second part will obtain, free of expense to The City of New York, perpetual use of the additional real estate required for highway purposes; and

It is further agreed, as part of the consideration herein, that the said Town of Mount Pleasant, party of the second part, will furnish a bond or undertaking of some good and responsible fidelity or surety company duly authorized to do business within the State of New York, in the sum of Sixty Thousand ($60,000) Dollars, for the faithful observance of the conditions of this agreement.

In witness whereof the parties to these presents have caused the same to be executed in triplicate, the day and year first above written.

BOARD OF WATER SUPPLY, ..., Commissioners.

Attest: ....., Secretary.

TOWN OF MOUNT PLEASANT, ..., Supervisor; ....., Commissioner of Highways; ....., Members of Town Board.

State of New York, County of New York, ss.:

On this day of , one thousand nine hundred and fifteen, before me personally came , constituting the Board of Water Supply of The City of New York, to me personally known and known to me to be the members of the Board of Water Supply for The City of New York, and persons described in and who executed the foregoing instrument, and they severally duly acknowledged to me that they executed the same for and on behalf of The City of New York and for the purposes therein mentioned.

.....

Approved as to form: LOUIS H. HAHLO, Acting Corporation Counsel.

State of New York, County of , ss.:

On the day of , one thousand nine hundred and fifteen, before me personally come John J. Sinnott, Supervisor of the Town of Mount Pleasant, and Commissioner of Highways, , constituting the members of the Town Board of said Town of Mount Pleasant, to me known, who, being each by me duly sworn, did severally depose and say: that he, said John J. Sinnott, resides in the Town of Mount Pleasant and is the Supervisor of said Town of Mount Pleasant, and that the said reside in the Town of Mount Pleasant, and are members of the Town Board of the said Town of Mount Pleasant, the corporation described in and which by said Supervisor and Commissioner of Highways and Town Board executed the above instrument, the said Town of Mount Pleasant having no corporate seal, and that they each executed the above instrument as the act and deed of said Town and by order of the Town Board thereof, and that they each signed his name thereto by like order.

.....

The following was offered:

Whereas, The Board of Water Supply, at a meeting held on June 22, 1915, pursuant to the provisions of chapter 724 of the Laws of 1915, as amended, and subject to the approval of the Board of Estimate and Apportionment, duly approved of a proposed agreement between The City of New York by the Board of Water Supply and the Town of Mount Pleasant, County of Westchester, State of New York, whereby the said Town of Mount Pleasant upon receipt of the sum of sixty thousand dollars ($60,000) releases to The City of New York the easements in the highways to be abandoned, situated in said town and lying within the exterior boundaries of the real estate acquired for Kensico reservoir and its appurtenances, and whereby said town also releases The City of New York from all claims which it may have against the said City for compensation damages and expenses, direct or indirect, by reason of the closing of the highways, to be discontinued and for the construction, building and maintenance of the substituted highways, as set forth in the said agreement and in a certain order of the Supreme Court of Westchester County, dated June 29, 1914; and

Whereas, The said proposed agreement was duly approved, as to form, by the Corporation Counsel on June 24, 1915, and was submitted to the Board of Estimate and Apportionment for approval by the Board of Water Supply on June 22, 1915; now, therefore, be it further

Resolved, That the Board of Estimate and Apportionment hereby approves of a proposed agreement between The City of New York and the Town of Mount Pleasant, County of Westchester, State of New York, as submitted by the Board of Water Supply on June 22, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Grade Crossings at Atlantic Avenue and Other Streets, Far Rockaway, Borough of Queens (No. 86).

(On April 1, 1915 (Cal. No. 124), a communication from the Public Service Commission notifying the Board of a hearing to be held in this matter on April 27, 1915, was presented and the Chief Engineer of the Board was directed to attend said hearing.)

The Secretary presented a communication dated March 27, 1915, from the Public Service Commission for the First District, transmitting certified copy of resolution adopted by the Commission on March 24, 1915, directing a hearing on April 27, 1915, at 10.30 o'clock a. m., in regard to alterations in the grade crossings of the Long Island Railroad on the Far Rockaway Branch at Atlantic avenue and other streets, in the Borough of Queens; and the following report of the Chief Engineer:

Board of Estimate and Apportionment, City of New York, Chief Engineer's Office, July 8, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on April 1st, 1915, the Chief Engineer of the Board was directed to attend hearings given by the Public Service Commission for the First District in case No. 1936, which relates to alteration and changes in a number of grade crossings of the tracks of the Long Island Railroad Company at Far Rockaway.

Several conferences have been held between the representatives of the Public Service Commission, the railroad company, and the Chief Engineer relative to this improvement, and hearings have been given by the Public Service Commission, both at Far Rockaway and at the office of the Commission. The last hearing was given on July 7th and was adjourned to Wednesday, July 14th. At these hearings I am frequently asked as to the attitude of the City with respect to such improvements and whether or not the funds for the City's share are available. It is impossible for me to give very specific answers to such questions in the absence of instruction from the Board.

The grade crossing elimination work now under consideration is an extensive improvement which will affect ten streets, and the estimated cost of the construction work alone is $996,000, this estimate not including any of the expense of acquisition of property or consequential damages by reason of grade changes. The total cost will undoubtedly exceed a million dollars, and inasmuch as the work consists of the elimination of existing crossings, and not the creation of new crossings, the City will pay one-quarter of the cost and the State one-quarter.

The State appears to have ample funds for work of this kind under the provisions of chapter 771 of the Laws of 1913, which provides, that of the amounts received from time to time by the Chamberlain of the City of New York on account of the mortgage recording taxes paid or to be paid upon the mortgage made by the Interborough Rapid Transit Co. and the New York Municipal Railway Corporation, to finance the new transit lines, one-half shall be paid into the general fund of the City to be applied to the reduction of taxation, and one-half shall be applied to pay part of the expense of eliminating grade crossings within the City of New York, which is apportioned to the State under section 94 of the Railroad Law. While the funds allotted to the payment of the State's share of grade crossing elimination appear to be segregated and not available for any other purpose, those apportioned to the City of New York go into the general fund, so that the City is obliged to make other provision for its share of the expense of this work. A number of grade crossing elimination projects are now in progress or under consideration in the Boroughs of Queens and Richmond, the City's share of which, if they are all undertaken, will amount to not less than $400,000. The law formerly provided that this work should be financed by the railroad company until its completion, but under an amendment enacted this year payments on account are permitted and the City provides its share by the issue of special revenue bonds.

I respectfully request the Board to indicate its wishes in this matter in order that I may be guided by them at the hearings which are to be given from time to time. Respectfully, NELSON P. LEWIS, Chief Engineer.

The matter was referred to the Committee on the City Plan and the Chief Engineer of the Board was directed to request the Public Service Commission to withhold action in the proceeding.

Board of City Record; Board of Estimate and Apportionment—Publication of Diagrams Showing Areas of Benefit in Opening Proceedings (No. 87).

The Secretary presented the following communication from the Supervisor of the City Record.

The City of New York, Board of City Record, Office of the Supervisor, Municipal Building, July 7, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor and Chairman of the Board of City Record:*

Sir—Pursuant to your request for a memorandum relative to the publication in the CITY RECORD and the five "corporation" newspapers of Brooklyn, of assessment notices, I beg to submit the following:

Up to the present time these notices contained a verbal description of the area of assessment, as required by section 980 of the Charter, which contained the general provisions now included in section 973. This section, as revised, permits, but does not make mandatory, a description of the assessment area by diagrams. This part of section 973 reads:

"The notice may describe the proposed area of assessment * * * by means of a diagram."

The publication of diagrams in the five Brooklyn "corporation" newspapers will result in additional claims against the City by these newspapers of an average of about $472 for each ten time notice published. The newspapers charge sixteen cents a line each, and the additional average space for each notice is estimated at fifty-nine lines. Seventy-one of these notices were printed in 1914, forty-five of which ran ten times each and twenty-six ran fifteen times each. If the same number of notices are printed in the five "corporation" newspapers of Brooklyn as were printed in 1914, the additional cost to the City would be about $39,648. The number of notices to be printed in the corporation newspapers in 1915 will undoubtedly be much greater than in 1914. The Chief Engineer's office of the Board of Estimate and Apportionment informed this office that 1914 was a "light" year, and that there will probably be two or three times as many notices printed in 1915. If this is so the increased cost will be in the neighborhood of $100,000, instead of $39,648.

The City Record office has held, based on opinions of the Corporation Counsel in similar matters, that these notices with verbal descriptions of the area of assessment come within the scope of section 1526 of the Charter, which specifies a fixed amount to be paid to the "corporation" newspapers of Brooklyn. These newspapers, nevertheless, file claims for extra compensation for this advertising, and the substitution of diagrams for written technical descriptions will increase the amount of these claims by at least the $39,648 estimated.

On a separate sheet enclosed herewith is a carefully made estimate based upon the number of notices printed in 1914, of the increased cost to the City which will result if diagrams instead of verbal descriptions are published in the five "corporation" newspapers of Brooklyn.

It is suggested that when notices affecting Brooklyn property are to be published, the resolutions for adoption by the Board of Estimate and Apportionment be so worded that only verbal descriptions of the assessment area be specified for publication. This will meet the mandatory requirement of section 973 of the Charter. Such notices could also include a statement to the effect that detailed maps showing the assessment area are on file in the office of the Chief Engineer of the Board of Estimate and can be seen there by any person interested,

To-day at a meeting of the Board of City Record the following resolution was adopted:

"Resolved, That the Chief Engineer of the Board of Estimate and Apportionment, be requested, when drawing up for publication in the CITY RECORD and the corporation newspapers of Brooklyn, notices of assessment affecting property within the Borough of Brooklyn, to describe the area of asssessment by metes and bounds and not by maps or diagrams."

Unless the Board of Estimate and Apportionment believes that the publication in these Brooklyn notices of maps instead of verbal descriptions of the asssessment area warrants an expenditure of from $40,000 to $100,000 annually, it is respectfully suggested that it adopt a resolution similar to that adopted to-day by the Board of City Record. Respectfully,

DAVID FERGUSON, Supervisor of the City Record.

Estimated increased cost per annum of printing diagrams instead of verbal technical descriptions in the five corporation newspapers of Brooklyn, based on the size of the 88 notices of the Board of Estimate and Apportionment printed in the City Record in 1914.

The additional average space for each notice is estimated at 59 lines.

Corporation Newspapers (5 newspapers—16c each—80c per line).

23 Estimate and Apportionment Notices, 10 times each at 80c line each time	$10,856 00
14 Law Department—Applications for Appointment of Commissioners, 10 times each at 80c per line	6,608 00
8 Law Department—Filing Amended Preliminary Abstracts, 10 times each at 80c per line	3,776 00
26 Law Department—Filing Preliminary Abstracts, 15 times each at 80c per line	18,408 00
Total in Corporation Papers	$39,648 00

The following resolution was offered:

Resolved, that the Chief Engineer of the Board of Estimate and Apportionment be and he hereby is authorized to prepare for publication, at his discretion, diagrams showing the areas of benefit in street opening proceedings in all cases where publication is confined to the CITY RECORD, but that in all cases where publication is required by law in any other papers, in addition to the CITY RECORD, the areas of assessment be described by metes and bounds and the diagrams omitted, and further

Resolved, that the Board of Estimate and Apportionment hereby approves the action taken by the Board of City Record at its meeting on July 7, 1915, in so far as it affects papers other than the CITY RECORD.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Gun Hill Road, Between White Plains Road and Webster Avenue, and the Adjoining Blocks of the Intersecting Streets, Borough of The Bronx—Widening and Changing Grades (No. 88).

The President of the Borough of The Bronx offered the following resolution:

Resolved, that the Board of Estimate and Apportionment hereby rescinds the resolution adopted by the said Board on July 1, 1915, recommending that a petition be filed with the Public Service Commission praying the Commission to direct the alteration of the crossing at Gun Hill road over the tracks of the New York and Harlem Railroad, so as to provide for the widening of the said crossing as indicated upon a plan approved by the Board of Estimate and Apportionment on the 29th day of June, 1911.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The President of the Borough of The Bronx offered the following resolution:

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 widening Gun Hill road where it crosses the right of way of the New York and Harlem Railroad, and by changing the grades of Gun Hill road between White Plains road and Webster avenue and of the adjoining blocks of the intersecting streets in the Borough of The Bronx, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated July 8, 1915.

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 29th day of July, 1915, at 10 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 for ten days continuously, Sundays and legal holidays excepted, prior to the 29th day of July, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The Secretary was then directed to serve notice of the hearing on the New York Central and Hudson River Railroad Company and the New York and Harlem Railroad Company, in pursuance of the provisions of the Railroad Law.

City Island Railroad Company (No. 89).

The President of the Borough of The Bronx moved that the Park Commissioner be authorized, in his discretion, to issue a temporary revocable permit for a period not exceeding six months to the City Island Railroad Company to operate a railway from the City Island bridge to the easterly side of the Eastern Boulevard (Pelham Bay Park) pending action by this Board, upon an application for a franchise and under the usual stipulation in such cases that the track shall be later removed, if no grant is made.

Which motion was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Board of Estimate and Apportionment—Development of Marginal Railways in The Borough of The Bronx (No. 90).

The Secretary presented a communication dated July 8, 1915, from the President of the Borough of The Bronx transmitting sketches of a proposed marginal railway in the Hunts Point section of the Borough, and submitting in connection therewith copy of a communication from the Bronx Terminal Corporation dated July 7, 1915, offering to provide an operator for a section of said railway, provided that it is carried through Oak Point Avenue as a link of a future marginal railway.

The matter was referred to the Committee on Port and Terminal Facilities.

West 212th Street, from 10th Avenue to the Harlem River, Borough of Manhattan—Curbing and Paving (Preliminary Authorization) (No. 91).

The Secretary presented a resolution adopted on June 15, 1915, by the Local Board of the Washington Heights District, Borough of Manhattan, initiating proceedings for this improvement; and the following report of the Chief Engineer:

Report No. 14810. July 8, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a resolution of the Local Board of the Washington Heights District, Borough of Manhattan, adopted on June 15, 1915, initiating proceedings for curbing, recurbing and paving with asphalt (permanent pavement), West 212th Street from 10th Avenue to the Harlem River.

This resolution affects two blocks, or about 1,000 feet of West 212th Street, title to which has been legally acquired.

In a communication bearing date of July 6, 1915, the Acting Borough President requests that a report upon this matter be prepared for the consideration of the Board at as early a date as possible, stating that a dock has been constructed at the river front which is used for the distribution of coal and building material, and that the improvement is urgently needed to facilitate trucking. The work is petitioned for by the Estate of William Nelson, which has recently leased certain property located on the northerly side of the street, to a company that has constructed the waterfront improvement referred to, but the extent of their holdings is not specified.

The work is estimated to cost about $11,300, and the assessed valuation of the property to be benefited is reported to be $126,600.

An inspection of the ground shows that the street is graded, curbed and flagged, but that the abutting property is almost entirely unimproved. With the exception of the gas main, all of the subsurface structures have been provided. At the Harlem River coal pockets are now being erected, and a substantial dock has already been constructed between West 212th Street and West 213th Street. In the adjoining section on the west the street is paved, which condition also obtains in 10th Avenue.

It would appear that the carrying out of this improvement is needed to make available the facilities for handling freight now being installed at the waterfront, and it is recommended that preliminary authorization be now granted, with the understanding, however, that the authorization of the construction will be deferred until arrangements have been made for laying the gas main.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The following was offered:

Whereas, the President of the Borough of Manhattan has transmitted to the Board of Estimate and Apportionment copy of a resolution of the Local Board of the Washington Heights District, duly adopted by said Board on the 15th day of June, 1915, and approved by the President of the Borough of Manhattan on the 16th day of June, 1915, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To regulate and pave with a permanent sheet asphalt pavement on concrete foundation, curb and recurb 212th Street from the Harlem River to the easterly side of 10th Avenue, and do all other necessary work incidental thereto."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of Manhattan to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of Manhattan has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

West 161st Street, From Ft. Washington Avenue to the Service Street on the Easterly Side of Riverside Drive, Borough of Manhattan—Grading, Curbing and Paving (Preliminary Authorization) (No. 92).

The Secretary presented a resolution adopted on May 4, 1915, by the Local Board of the Washington Heights District, Borough of Manhattan, initiating proceedings for this improvement; and the following report of the Chief Engineer:

Report No. 14811. July 8th, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a resolution of the Local Board of the Washington Heights District, Borough of Manhattan, adopted on May 4th, 1915, initiating proceedings for grading, curbing and paving with asphalt (permanent pavement) West 161st street from Fort Washington avenue to the Service street located on the easterly side of Riverside Drive.

This resolution affects one block or about 700 feet of West 161st street, title to which has been legally acquired.

In a communication bearing date of July 7th, 1915, the Acting Borough President has requested that a report upon this matter be presented for the consideration of the Board at as early a date as possible. The work is petitioned for by two property owners representing a little less than 80 per cent of the frontage which, in the interior lots, is assessed as having a value, excluding buildings, of $400 per linear foot.

The work is estimated to cost about $7,700, and the assessed valuation of the property to be benefited is reported to be $540,000.

An inspection of the ground shows that the street is approximately graded and that curbing has been laid opposite two large apartment houses at Fort Washington avenue. There is also a six-story building on the southerly side at the Service street, and buildings covering the entire remaining frontage are at the present time under construction. All of the subsurface structures have been provided. In the adjoining section on the east the street is paved, which condition also obtains in Fort Washington avenue.

It would appear that in conformity with the rules of the Board, preliminary authorization of this improvement might properly be now given, such action being recommended. Respectfully, NELSON P. LEWIS, Chief Engineer.

The following resolution was offered:

Whereas, the President of the Borough of Manhattan has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Washington Heights District, duly adopted by said Board on the 4th day of May, 1915, and approved by the President of the Borough of Manhattan on the 5th day of May, 1915, as follows, to wit:

"Resolved, that this Board does hereby initiate proceedings for the said local improvement, to wit:

"To regulate, grade, curb and pave with a permanent sheet asphalt pavement on concrete foundation West 161st street, from the westerly curb line of Fort Washington avenue to the easterly house line of Riverside Drive Service street;"

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, that the Board of Estimate and Apportionment hereby authorizes the President of the Borough of Manhattan to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, that the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of Manhattan has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Seventh Avenue, West Side, from Morton Street to a Point About 100 Feet North Thereof and on the East Side, from Grove Street to a Point 122.30 Feet South Thereof; Grove Street, South Side, from 7th Avenue to West 4th Street, Borough of Manhattan—Changing Grades (No. 93).

The Secretary presented a communication, dated July 9, 1915, from the Acting President of the Borough of Manhattan, transmitting map, showing the proposed change:

The following resolution was offered:

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 changing the grades of 7th avenue on the west side from Morton street to a point about 100 feet north thereof, and on the east side from Grove street to a point about 122.30 feet south thereof; and changing the grade of Grove street on the south side from 7th avenue to West 4th street in the Borough of Manhattan, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated July 8, 1915.

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 29th day of July, 1915, at 10 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 for ten days continuously, Sundays and legal holidays excepted, prior to the 29th day of July, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx, and Queens and the Acting President of the Borough of Richmond—16.

Department of Education—Modification of Schedule (No. 94).

The Secretary presented the following communication from the Board of Education:

Board of Education, Park Avenue and 59th Street, New York, July 7, 1915.

Hon. JOHN PURROY MITCHEL, *Chairman, Board of Estimate and Apportionment:*

Dear Sir—I beg leave to inform you that at the meeting of the Committee on Vocational Schools and Industrial Training held on July 6, 1915, attention was called to action taken by the Board of Estimate and Apportionment on June 11, 1915, in modifying salary schedule No. 854, General Supervision, by transferring the salary of the position held by Miss Ella A. Kelly, clerk at $1,050, and the salary of the position held by Miss Katherine M. Gyves, typewriting copyist at $750, to "Balance Unassigned," and in establishing a schedule in appropriation No. 989, Experimental Work in Vocational Training, providing for a clerk at $1,320 and a typewriting copyist at $750.

The Board of Education on April 28, 1915, fixed the salary of Miss Gyves at $900, and on May 12, 1915, fixed the salary of Miss Kelly at $1,650, both to be payable from the fund "Experimental Work in Vocational Training." There was no intention on the part of the Board of Education to do away with the two positions in schedule No. 854. Miss Kelly and Miss Gyves were to be assigned to new work, and the work formerly done by them would have to be performed by others, either by new appointments or promotions. The attention of the Committee was called to this matter by Associate City Superintendent Haaren, in charge of Part-time Co-operative and Continuation Classes, who expressed doubt as to whether the action of the Board of Estimate and Apportionment might not deprive Miss Kelly and Miss Gyves of their salaries under schedule No. 854, inasmuch as they are unwilling to accept salary under schedule 989 at lower rates than those fixed by the Board of Education, as above stated.

The Committee accordingly requests immediate action by the Board of Estimate and Apportionment to restore the positions which were removed from schedule No. 854 on June 11, 1915. Respectfully yours,

A. E. PALMER, Secretary, Board of Education.

The Comptroller offered the following resolution:

Resolved, That the Board of Estimate and Apportionment hereby restores to Code Account 854 for the year 1915, Department of Education, Salaries and Wages, Regular Employees, the lines Clerk at $1,050; Typewriting Copyist at $750, and approves the **schedules as revised.**

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Correction—Issue of Special Revenue Bonds (No. 95).

The Secretary presented a resolution adopted by the Board of Aldermen on June 29, 1915, approved by the Mayor on July 9, 1915, requesting an issue of $12,981 special revenue bonds, the proceeds whereof to be used by the Department of Correction for the purpose of paying the salaries of Keepers and wages of temporary Engineers and Stokers during vacation period.

The matter was laid over to July 14, 1915, under Rule 19.

Board of Estimate and Apportionment; Central Purchasing Committee—Appointment of Representative of the Board (No. 96).

The Comptroller offered the following:

Whereas, Under appointment by the Mayor, a committee for executing consolidated purchase contracts for the departments under the jurisdiction of the Mayor has been in operation since January 1, 1915; and

Whereas, To date a large number of consolidated contracts for supplies have been advantageously executed, and this experiment in co-operative central purchasing is demonstrating the economy of central purchasing of the City's supplies; and

Whereas, The co-operation of the Board of Estimate and Apportionment through the Bureau of Standards is actively required in the efficient purchasing of supplies; and

Whereas, The Presidents of the Boroughs purchase through their departments large quantities of supplies; be it

Resolved, That this Board join with the Mayor in carrying on the work of central purchasing through co-operation among departments, and to facilitate the participation of this Board and the members thereof in this plan, that the Mayor be requested to name a representative of this Board on the Central Purchasing Committee.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Bellevue and Allied Hospitals—Amendment of Issue of Corporate Stock (No. 97).

(On March 26, 1915 (Cal. No. 51), the request in this matter was referred to the Committee on Corporate Stock Budget.)

The Secretary presented a communication, dated March 17, 1915, from the Board of Trustees of Bellevue and Allied Hospitals requesting a transfer of $3,000 from the authorization for the new Bellevue Hospital to provide for the construction of additional partitions at the Neponsit Beach Hospital; and the following report of the Committee on Corporate Stock Budget recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 30, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On March 25, 1915, you referred to the Corporate Stock Budget Committee a request, dated March 17, 1915, from the Trustees of Bellevue and Allied Hospitals for the transfer of $3,000 from the corporate stock authorization for the new Bellevue Hospital to permit of the construction of additional partitions on the fourth floor of the Ocean Beach Hospital, now known as the Neponsit Beach Hospital.

The Bureau of Contract Supervision reports thereon as follows:

"The request is made to provide funds for the erection of fireproof partitions on the fourth floor of the Neponsit Beach Hospital, thereby forming eight bed rooms and a sitting room to accommodate fourteen employees.

The formation of the proposed rooms is a very desirable improvement, as it will add greatly to the comfort of the employees and insure a more healthful means of caring for them than would result from an open dormitory.

"There is an unencumbered balance in the corporate stock authorization for the new Bellevue Hospital of approximately $84,800."

In view of the foregoing we recommend the adoption of the attached resolution amending the authorization of June 5, 1913, so as to provide that $397,000 of said authorization will be available for the construction of the new Bellevue Hospital and $3,000 for the construction of partitions on the fourth floor of the Neponsit Beach Hospital.

Respectfully, WILLIAM A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on July 2, 1909, and concurred in by the Board of Aldermen on July 13, 1909, which authorized corporate stock in the sum of $500,000 for the erection of the new Bellevue Hospital, which was amended to make the amount read $400,000 by the Board of Estimate and Apportionment on June 5, 1913, which amendment was concurred in by the Board of Aldermen on June 10, 1913, be and the same is hereby *further amended* to read as follows:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding four hundred thousand dollars ($400,000), *of which not exceeding three hundred and ninety-*

seven thousand dollars ($397,000) is to provide means for the erection of the new Bellevue Hospital, *and not exceeding three thousand dollars* ($3,000) *is to provide means for the construction of additional partitions on the fourth floor of the Neponsit Beach Hospital, both under the jurisdiction of the Board of Trustees of Bellevue and Allied Hospitals,* 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 four hundred thousand dollars ($400,000), the proceeds whereof to be applied to the *separate* purposes aforesaid.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Bellevue and Allied Hospitals—Issue of Corporate Stock (No. 98).

(On January 22, 1915 (Cal. No. 111), the request in this matter was referred to the Committee on Corporate Stock Budget.)

The Secretary presented a communication dated January 13, 1915, from the Board of Trustees of Bellevue and Allied Hospitals, requesting issue of corporate stock in the sum of $20,000 to provide for the construction of balconies and fire escapes for pavilions at the Neponsit Beach Hospital; and the following report of the Committee on Corporate Stock Budget recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 6, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On January 22, 1915, you referred to the Corporate Stock Budget Committee a request dated January 13, 1915, from the Trustees of Bellevue and Allied Hospitals for an issue of corporate stock in the sum of $20,000 for the construction of balconies and fire-escapes for pavilions A and B of the new Sea Breeze Hospital, now known as the Neponsit Beach Hospital.

The Bureau of Contract Supervision reports thereon as follows:

"The request is made to provide funds for the erection of balconies and fire-escapes on the southerly side of the building, at the ends of the wards which face the ocean, so that the patients can be wheeled out in their beds whenever the weather is suitable.

"The original plans contemplated the erection of these balconies and fire-escapes, but they had to be sacrificed in order to bring the cost of the building within the amount subscribed for its erection by the Association for Improving the Condition of the Poor.

"It appeared to be for the best interests of the City to temporarily defer the construction of the balconies rather than to cut down the size of the building and thereby reduce the bed capacity."

In view of the foregoing, we recommend the adoption of the attached resolution authorizing the issue of $20,000 in corporate stock for the construction of balconies and fire-escapes for pavilions A and B of the Neponsit Beach Hospital.

Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

On motion Rule 19 was waived in this matter and the following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding twenty thousand dollars ($20,000), to provide means for the construction of balconies and fire-escapes for pavilions A and B of the Neponsit Beach Hospital, under the jurisdiction of the Board of Trustees of Bellevue and Allied Hospitals, 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, maturing not more than fifteen (15) years after date of issue, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specification, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Board of Trustees, Bellevue and Allied Hospitals, nor shall any architect, engineer, expert or departmental employe be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule, which are to be similarly submitted, unless in the case of departmental employes, such employment is in accordance with schedules approved by said board.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Docks and Ferries—Amendment of Issue of Corporate Stock (No. 99).

(On June 25, 1915 (Cal. No. 131), the resolution of the Commissioners of the Sinking Fund in this matter was referred to the Committee on Corporate Stock Budget.)

The Secretary presented a communication, dated June 16, 1915, from the Secretary of the Commissioners of the Sinking Fund, transmitting certified copy of resolution adopted by said Commissioners on June 16, 1915, recommending that the resolution adopted by the Board of Estimate and Apportionment on April 23, 1915 (Cal No. 14), which amended the corporate stock authorization for the acquisition of property through condemnation proceedings and the construction of Pier 21, East River, under the jurisdiction of the Department of Docks and Ferries, be further amended so as to provide for the completion of Pier 21, East River, and the Dover street section bulkhead wall; and the following report of the Committee on Corporate Stock Budget recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 7, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 16, 1915, the Commissioners of the Sinking Fund recommended to your Board the further amendment of a resolution adopted by your Board on May 2, 1912, which was amended on April 23, 1915, and which authorized among others, an item of $70,000 for the construction of a pier at the foot of Dover street, East River.

This request was the subject of a report by the Committee on Corporate Stock Budget to the Commissioners of the Sinking Fund, dated June 3, 1915, which reads, in part, as follows:

"On May 2, 1912, the Board of Estimate and Apportionment, pursuant to the recommendation of the Commissioners of the Sinking Fund, adopted a resolution authorizing corporate stock to the amount of $592,110, of which $522,110 was for the acquisition of property for the Department of Docks and Ferries and $70,000 for the construction of Pier 21, under the jurisdiction of the said department.

"The resolution provided that no portion of the amount authorized for the construction of the pier should be used for the payment for services of departmental employees.

"On January 16, 1915, the Commissioner of Docks requested that the above restrictions be removed so that the work might be done by departmental labor.

"In response to this request the Board of Estimate and Apportionment in accordance with the provisions of section 180 of the Greater New York Charter, and the recommendation of the Sinking Fund Commission, amended the said resolution of May 2, 1912, eliminating therefrom the words, 'That no portion thereof shall be used for the payment of services of departmental employees; and provided further,' and making the fund of $70,000 for the construction of Pier 21 available as follows:

"For the construction of Pier 21, East River (Dover Street), Wages, Departmental Employees, $22,797; Supplies and Materials for Pier and Bulkhead Wall, $47,203. Total, $70,000.

"The construction of the pier was begun in December, 1914, by the departmental labor force, the cost being paid from funds available for general pier construction. No part of the fund authorized on April 24, 1912, for the construction of the pier ($70,000) has been used.

"It appears that there is now more than enough in the fund to complete both the pier and the Dover Street Section Bulkhead Wall, of which there still remains about one hundred linear feet to be built.

"The resolution as at present amended does not permit of expenditures for the employment of the labor force on the bulkhead wall.

"The Department of Docks and Ferries has made verbal request that the resolution be still further amended, provision being made for sufficient funds so that work may be proceeded with on the bulkhead wall, as well as on the pier.

"It has been estimated by the Bureau of Contract Supervision and the Department of Docks and Ferries that, as of April 15, 1915, the date of making the estimate, $63,000 should be sufficient to complete both the pier and the bulkhead wall."

In view of the foregoing, we recommend the adoption of the attached resolution granting the request. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That in accordance with section 180 of the Greater New York Charter and the recommendations contained in a resolution adopted by the Commissioners of the Sinking Fund on June 16, 1915, the resolution adopted by the Board of Estimate and Apportionment on April 23, 1915, which reads, in part, as follows:

"Resolved, That, pursuant to the provisions of section 180 of the Greater New York Charter, as amended, and the recommendation of the Commissioners of the Sinking Fund by resolution adopted on April 24, 1912, 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 ninety-two thousand one hundred and ten dollars ($592,110), and 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 to the amount of the par value thereof to be used by the Department of Docks and Ferries, in the sums and for the purposes as hereinafter designated:

"(1) For property to be acquired through condemnation proceedings, described as follows: Bulkhead between Pier (new) 20 and (old) 27,140 feet; bulkhead between Piers (old) 27 and 28, 123 feet; bulkhead easterly of Pier (old), 28, 58 feet; Pier (old) 27 (Dover Street Pier), 15,318 square feet; Pier (old) 28 (Dover Street Pier East), 15,097 square feet.....	$522,110 00
"(2) For the construction of Pier 21, East River (Dover Street)..	70,000 00
	$592,110 00

* * * * * * * * *

"—be amended to make the line '(2) For the construction of Pier 21, East River (Dover Street), $70,000,' read:

"'(2) For the construction of Pier 21, East River (Dover Street),	
Wages, Departmental Employees.....	$22,797 00
Supplies and Materials for Pier and Bulkhead Wall.....	47,203 00
	$70,000 00'

"—and by eliminating the words 'that no portion thereof shall be used for the payment of services of Departmental employees'; and provided further."

—*be further amended* to provide that the total amount of corporate stock authorized shall be *five hundred and eighty-five thousand one hundred and ten dollars* ($585,110), instead of *five hundred and ninety two thousand one hundred and ten dollars* ($592,110), thereby rescinding seven thousand dollars ($7,000) of the authorization, *and be further amended* by striking out and eliminating that portion of the amended resolution approved of on April 23, 1915, which reads as follows:

"—be amended to make the line (2) for the construction of Pier 21, East River (Dover Street), $70,000, read:

"(2) *For the construction of Pier 21, East River (Dover Street)—*	
Wages, Departmental Employees.....	$22,797 00
Supplies and Materials for Pier and Bulkhead Wall.....	47,203 00
	$70,000 00"

—and substituting therefor the following:

"—be amended to make the line (2) for the construction of Pier 21, East River (Dover Street) ($70,000), read:

"For the payment of Salaries and Wages, Departmental Employees and for Supplies and Materials, for the construction of Pier 21, East River, and the Dover Street Section Bulkhead Wall.....	$63,000 00"

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Additional Issue of Corporate Stock for Construction of Section 15, Route 5, of the Lexington Avenue Rapid Transit Railroad (No. 100).

(On October 26, 1911, the Board approved of the award of this contract and authorized an issue of $3,820,129.75 corporate stock to meet the requirements thereof.)

(On June 4, 1915 (Cal. No. 36), the requisition of the Public Service Commission in this matter was referred to the Comptroller.)

The Secretary presented the following requisition of the Public Serviec Commission and report of the Comptroller:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, May 28, 1915.

To the Board of Estimate and Apportionment of The City of New York:

On October 26, 1911, the Board of Estimate and Apportionment consented to a contract between The City of New York, acting by this Commission, and Hagerty-Drummond Company (which contract was thereafter duly assigned to Rodgers & Hagerty, Inc.) for the construction of Section No. 15 of Route No. 5, being a part of the Lexington Avenue Rapid Transit Railroad, and prescribed the limit to the amount of proceeds of corporate stock available for the purposes of said contract of three million eight hundred and twenty thousand one hundred and twenty-nine and 75-100 dollars ($3,820,129.75).

For the reasons hereinafter stated the sum thus appropriated is not sufficient to meet the requirements of such contract, and it is requested that such limit of three million eight hundred and twenty thousand one hundred and twenty-nine and 75-100 dollars ($3,820,129.75) be increased to four million two hundred and twenty thousand one hundred and twenty-nine and 75-100 dollars ($4,220,129.75).

This increase in cost of this section is principally due to the change to the present Loop Connection with the existing subway at 149th Street and Mott Avenue and the increase in quantities of excavation, concrete, steel and underpinnig on account of unfavorable condition of rock in Mott Avenue and also to other increases in schedule items and to payments under Article XII of said contract. A copy of a detailed estimate upon which the amount hereby requested is based, is hereto attached.

The Public Service Commission for the First District, therefore, in accordance with the provisions of the Rapid Transit Act, being chapter 4 of the Laws of 1891, as amended, hereby makes 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 in addition to the amounts already authorized to be issued to provide means to meet the requirements of said contract for the construction of said Section No. 15 of Route No. 5, to wit, the sum of four hundred thousand dollars ($400,000).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission for the First District, under date of March 18, 1913, upon your honorable Board for twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 3, between The City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company for additional rapid transit railroads, and the appropriation made by your honorable Board on March 18, 1913.

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 the 28th day of May, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 7, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 28, 1915, the Public Service Commission for the First District transmitted to your Board a requisition for an additional allowance of $400,000 corporate stock to provide means to meet the requirements of the contract for the construction of Section No. 15 of Route No. 5 of the Seventh Avenue-Lexington Avenue Rapid Transit Railroad; such requisition being a subrequisition on account of and not in addition to the one of March 19, 1913, for $28,200,000 for the purpose of carrying out Contract No. 3. The award of the contract for which the additional allowance is requested, was made to Hagerty-Drummond Company and was consented to by your Board on October 26, 1911, in an amount of $3,820,129.75. The contract was subsequently assigned to Rodgers & Hagerty, Incorporated.

The original contract contemplated a loop, in tunnel, "partly under Franz Sigel Park, passing under Walton avenue, private property, Gerard avenue and East One Hundred and Fifty-third Street." This contract was modified by an agreement entered into on the 15th day of December, 1913, between the Public Service Commission and Rodgers & Hagerty, Incorporated, the contractor, providing for the elimination of the loop in tunnel as originally contemplated and the substitution of a connection in open cut between this section and the existing subway in and along East 149th Street. This agreement was entered into without submission to this Board, although carrying a modification of the contract plans as previously approved by said Board.

The net increase in cost due to additional work beyond the original contract expectations is as follows:

1. Regular contract work at bid prices	$257,995 18
2. Article XII work, cost, plus a percentage	80,981 74
3. Prospective contingencies	61,023 08
Total	$400,000 00

On the regular contract work at bid prices, the items showing the principal increase over estimated quantities are as follows:

Earth and rock excavation, 53,168 cubic yards	$100,939 40
Underpinning, 699.45 linear feet	69,945 00
Concrete and protective masonry, 3,719 cubic yards	30,847 80
Waterproofing	89,868 20
Steel, 1,786 tons	135,906 00
Total	$427,506 40

The items of contract work showing the chief decreases under the estimated quantity are as follows:

Tunneling, 10,460 cubic yards	$94,560 80
Hollow terra cotta brick	34,606 00
Broken stone or gravel	10,125 00
Tunnel ducts	30,219 42
	$169,511 22

The net increase in cost over contract estimate upon these items is $257,995.18.

Of the increase in earth and rock excavation, 39,000 cubic yards is due to the change in the location of the loop, 8,000 cubic yards to poor soil conditions in Mott avenue, the contract plans having shown a hard rock bottom, while the actual excavation developed badly decomposed rock and very heavy ground requiring additional excavation on the bottom and along the east side; 6,000 cubic yards in East 138th street, between Third avenue and the east end of the contract, is due to finding earth where the plans showed hard rock, necessitating a heavier construction and more excavation than originally contemplated.

The increase in underpinning was due to additional depression track in Mott avenue, $9,000; to the final location of the loop, $13,000; and to the heavy ground on Mott avenue, making it necessary to underpin buildings that were situated fifty feet from the side of the subway structure, $48,000.

The increase in concrete and protective masonry is due to the additional depressed track in Mott avenue, to increased thickness of floor and walls in Mott avenue and in East 138th street, made necessary by the very heavy ground, and to the fact that concrete was substituted for hollow terra cotta brick masonry.

The increase in waterproofing, excepting $22,000 which is due to the loop, is chargeable to the wet and heavy ground in Mott avenue and to the fact that the roof was waterproofed between stations in lieu of using broken stone and gravel.

Of the increase in steel, 1,000 tons is due to the loop; the remainder, or 786 tons, to a change from reinforced concrete to steel beam construction in places in Mott avenue, to eye beam construction required in both roof and floor in parts of Mott avenue and 138th street, and to the grillage required under the station and tracks at 138th street and Mott avenue, all of which was made necessary by the heavy ground encountered.

The decrease in tunnel excavation is explained by the change in location of the loop; in the hollow terra cotta brick is due to the substitution of concrete; in broken stone or gravel, to the substitution of waterproofing; in tunnel ducts, to the fact that it was not found necessary to place as many as was estimated.

In addition to the increases and decreases noted, there are fifty-one other items on which the increases and decreases balance, the greatest difference being in 24-inch vitrified pipe sewer, which was increased 940 lineal feet, at an additional cost of $4,700, due to the loop.

The additional work, which it is proposed to provide payment for under Article XII consists mainly of by-passing of gas mains, $33,862.69; cleaning and painting steel not included in original plans, $25,000; underpinning buildings to greater depth because of additional track on Mott avenue, $12,414.43, and is explained as follows:

By-passing of Gas Mains.

For 2,965 lineal feet of 24-inch lap welded steel pipe furnished and placed on trestle in 138th street and 300 lineal feet of 24-inch cast iron pipe placed in excavation in Third avenue at 138th street, $20,000; 2,400 lineal feet 6-inch wrought iron pipe placed in gutter in 138th street, $7,000; the remainder is made up of service connections to mains in 138th street.

Under the form of contract used for bidding on Route 5, which was a blanket form prepared for all the 15 sections of the old Triborough Route, bids were *not* received for the item for "by-passing," outside the excavation, the gas mains encountered along the route, as is done now, but, instead, the care and safeguarding of these mains while in service were made responsibilities of the contractor, to be included in his bid prices on other items, and bids were taken only on changes or reconstructions caused by physical interference with the subway structure.

On subsequent contracts, bids were taken on laying along the curb or erecting on trestles "by-pass" pipes enabling the diversion of the gas in the gas mains along the route during construction and reducing the hazard of leaks and explosions.

Cleaning and Painting Steel.

The contract plans show the eye beams in walls and roof incased in concrete, but, in order to save concrete and excavation, the interior walls were reduced four inches in thickness and the outside walls two inches. This method of construction exposed the face of the flange of each eye beam in the walls and roof and made necessary their painting. The knee braces were all exposed and were painted. This work was given three coats. Similar work was done throughout the full length of the contract.

Underpinning Buildings to Greater Depth.

This was due to the additional depressed track on Nott avenue requiring work of a much greater depth than was shown on the contract plans and also heavy bracing.

The three items, explained in detail above, total $71,277.12.

The balance of $9,704.62 is made up of relatively small items for work found necessary as the work developed.

The $61,023.08 added for contingencies is not unreasonable for a contract of this magnitude.

The net increase in cost of this work over that estimated by the contract award is about seven per cent., and most of the work for which these funds are requested has been completed.

I recommend the adoption of the attached resolution, which will make available the additional amount requested for the completion of this work.

Respectfully, WM. A. PRENDERGAST, Comptroller.

On motion, Rule 19 was waived in this matter and the following resolution was offered:

Whereas, The Board of Estimate and Apportionment on October 26, 1911, consented to the award of a contract, on requisition of the Public Service Commission for the First District, between The City of New York and Hagerty-Drummond Company (which contract was thereafter duly assigned to Rodgers and Hagerty, Inc.) for the construction of Section No. 15, of Route No. 5, being a part of the Lexington Avenue Rapid Transit Railroad, at an estimated cost of three million eight hundred and twenty thousand one hundred and twenty-nine dollars and seventy-five cents ($3,820,129.75); and

Whereas, The said Commission, under date of May 28, 1915, has duly made requisition for the further amount of four hundred thousand dollars ($400,000) for the purpose of providing means to meet the requirements of said contract; therefore, be it

Resolved, That the Board of Estimate and Apportionment hereby *amends* said resolution of October 26, 1911, by adding thereto the amount of *four hundred thousand dollars* ($400,000), and the Comptroller be and he is hereby authorized and directed to issue corporate stock of The City of New York to the additional amount of four hundred thousand dollars ($400,000) at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes of contract with Hagerty-Drummond Company (Rodgers and Hagerty, Inc., Assignee), as stated in this resolution and in the requisition of the said Public Service Commission dated May 28, 1915, said issue of corporate stock to be a charge against the appropriation made by this Board on March 18, 1913, of twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the terms of Contract No. 3.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Board of Aldermen—Issue of Special Revenue Bonds (No. 101).

The Secretary presented the following resolution of the Board of Aldermen:

In the Board of Aldermen.

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 dollars ($2,000), the proceeds whereof to be used by a special committee of the Board of Aldermen for the purpose of providing for an appropriate and adequate celebration of the 250th anniversary of the founding of the Board of Aldermen and the raising of the new City flag on June 24, 1915.

Adopted by the Board of Aldermen June 22, 1915, four-fifths of all the members elected voting in favor thereof.

Received from his Honor the Mayor July 6, 1915, without his approval or disapproval thereof therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

P. J. SCULLY, Clerk.

On motion, Rule 19 was waived in this matter and the following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on June 22, 1915, requesting an issue of special revenue bonds in the sum of two thousand dollars ($2,000) the proceeds thereof to be used by a special Committee of the Board of Aldermen for an appropriate and adequate celebration of the 250th anniversary of the founding of the Board of Aldermen, and the raising of the new City flag on June 24, 1915, 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 two thousand dollars ($2,000), 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 President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and Acting President of the Borough of Richmond—16.

Department of Parks, Boroughs of Manhattan and Richmond—Amendment of Issue of Corporate Stock (No. 102).

(On May 7, 1915 (Cal. No. 82), the request in this matter was referred to the Committee on Corporate Stock Budget.)

The Secretary presented a communication, dated April 30, 1915, from the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting that the corporate stock authorization for repaving the roadway of Riverside drive from 113th street north, around the east side of Grant's Tomb reservation to the viaduct, including the viaduct plaza, and then southerly along the west side of Grant's Tomb reservation to the intersection at 120th street, be amended so as to provide for defraying the cost of repaving, setting curb and otherwise improving the property service road from 91st street north; the approaches to Cathedral parkway, and the repaving of the intersection of Riverside drive and 79th street, etc.; and the following report of the Committee on Corporate Stock Budget recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 30, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 7, 1915, you referred to the Corporate Stock Budget Committee a request dated April 30, 1915, from the Commissioner of Parks, Manhattan and Richmond, for the amendment of the $142,000 corporate stock authorization of June 19, 1914, for the repaving of the roadway of Riverside Drive, from 113th Street north, so as to include the repaving, setting curb and otherwise improving the property service road from 91st Street north, the approaches to Cathedral Parkway, and repaving the intersection of Riverside Drive and 79th Street.

The Commissioner has since orally requested that the improvement of Straus Park be also included.

The Bureau of Contract Supervision reports thereon as follows:

"There is an unencumbered balance of approximately $42,000 in this authorization, which could be used for the requested improvements, and would be sufficient to defray the cost, estimated at $38,400, for the roads and approaches, and $3,600 for improvement of Straus Park.

"The roads and approaches are in such condition that repaving and curbing are needed, and it would be more economical to do this work than to continue the present maintenance cost, besides placing them in first class shape, instead of being barely serviceable, as at present.

"A memorial has been erected in the park space at 106th Street and Broadway to Mr. and Mrs. Isidor Straus and formally accepted by the City, and it is deemed very desirable to improve the park space which is now in a very unattractive and undeveloped state. The improvement will consist of laying sidewalks and curbing. The planting and sodding will be done out of the budgetary appropriation.

"The above mentioned work is recommended provided that the funds are only made available if specifications permitting of open competition, both in asphaltic and other materials, are used."

The Commissioner of Parks concurs in the above report.

In view of the foregoing, we recommend the adoption of the attached resolution granting the request. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, subject to the concurrence herewith by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 19, 1914, and concurred in by the Board of Aldermen July 7, 1914, reading in part as follows:

"Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount

not exceeding one hundred and forty-two thousand dollars ($142,000), maturing not more than ten (10) years after date of issue, to provide means for the repaving of the roadway of Riverside Drive from 113th Street north around the east side of Grant's Tomb Reservation to the viaduct, including the viaduct plaza, and thence southerly along the west side of Grant's Tomb Reservation to the intersection at 120th Street, *with a bituminous pavement on a concrete foundation,* 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 and the same is hereby *amended* by adding after the words "with a bituminous pavement on a concrete foundation" the words "*including the repaving, setting curb and otherwise improving the property service road from 91st Street, north, and the approaches to Cathedral Parkway; and for repaving the intersection of Riverside Drive and 79th Street; and for the improvement of Straus Park at 106th Street and Broadway, exclusive of mold, sod and planting.*"

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The Secretary was then directed to request the Commissioner of Parks, Boroughs of Manhattan and Richmond, to invite alternative bids and to report the bids received to the Board with his recommendation thereon, as was done in the case of repaving Riverside Drive under a resolution adopted by the Board on June 19, 1914 (Cal. No. 110).

Public Service Commission for the First District—Consent to Award of Contract to American Iron and Steel Manufacturing Company for Supplying Materials for Use in Construction of Rapid Transit Railroads Under Contract No. 4, and Issue of Corporate Stock Therefor (No. 103).

The Secretary presented the following requisition of the Public Service Commission and report of the Comptroller:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York.

To the Board of Estimate and Apportionment of The City of New York:

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 American Iron & Steel Manufacturing Company for the supply of track materials for use in the construction of rapid transit railroads, to wit, bolts and nuts, Order No. 2.

The Public Service Commission for the First District requests your honorable Board to consent to 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 fifteen thousand six hundred ninety-three and 31-100 dollars ($15,693.31), 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 purposes of providing the necessary means for the supply of the said materials for use in the construction of rapid transit railroads, at the public expense, to wit, the sum of fifteen thousand six hundred ninety-three and 31-100 dollars ($15,693.31).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficent to pay the entire estimated expense of executing said contract, to wit, the sum of fifteen thousand six hundred ninety-three and 31-100 dollars ($15,693.31).

This requisition is a subrequisition on account of and not in addition to the requisition made by the Public Service Commission for the First District, under date of March 18, 1913, upon your honorable Board for sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4 between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads and the appropriaton made thereunder by your honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be herewith affixed and attested by its Secretary and these presents to be signed by its Chairman this 25th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

(Seal.)

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 3, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 25, 1915, the Public Service Commission for the First District transmitted for consent of your Board a proposed contract to be entered into between The City of New York, acting by said Commission, and the American Iron and Steel Manufacturing Company, for the supply of track bolts for use on the lines to be operated by the New York Municipal Railroad Corporation, at an estimated cost of $15,693.31.

The Commission requested the Board to prescribe the limit of $15,693.31 to the amount of bonds to be made available for such purposes, and to direct the Comptroller to issue bonds to said amount, the sum to be charged against the appropriation of $60,000,000 made by the Board for the purposes of Contract No. 4.

This work was competitively bid on, but only two concerns competed, one submitting three alternate bids. One other bidder submitted a price, but this was based on neither the materials nor units specified. The award has been made on the basis of the next lowest alternate bid of the lowest competitor, this material best meeting the requirements in the opinion of the engineers of the Commission and the operators.

I recommend the modification of the concluding section of Article XVI of this contract along lines that will be more protective of the City's interest in the matter of reasonableness of prices to be paid for extra work and to limit the extent of such work under the contract. The resolution submitted carries approval of the contract, only on condition that this modification be made.

I recommend the adoption of the attached resolution consenting to the contract award, limiting the amount of bonds and authorizing and directing the Comptroller to issue the necessary corporate stock. Respectfully,

WM. A. PRENDERGAST, Comptroller.

On motion, Rule 19 was waived in this matter and 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 June 25, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by the said Commission, and the American Iron and Steel Manufacturing Company for the supply of track bolts and nuts, Order No. 2, for use in the construction of rapid transit railroads, at an estimated cost of fifteen thousand and six hundred and ninety-three dollars and thirty-one cents ($15,693.31); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purposes shall be fifteen thousand six hundred and ninety-three dollars and thirty-one cents ($15,693.31); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to the amount of fifteen thousand six hundred and ninety-three dollars and thirty-one cents ($15,693.31) at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes of contract with the American Iron and Steel Manufacturing Company as set forth in this resolution and described in the requisition of the said Commission to this Board dated June 25, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the terms of Contract No. 4; provided, however, that this consent shall not become operative unless and until the concluding section of Article XVI of said contract shall be modified to read as follows, and this Board does hereby consent to such modification:

Instead of the method above described under this Article for paying for any such work or materials to be paid for under this Article the Engineer may, but only with the approval of the Commission, agree with the Contractor upon reasonable unit prices or a reasonable lump sum price for such work or materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the schedule contained in this contract. The total amount to be paid for any work or materials ordered to be done or furnished under this Article shall not exceed five per centum (5%) of the total amount to be paid to the Contractor for all the materials furnished and accepted under this contract, and the total amount to be expended under this contract shall not exceed the amount set aside therefor.

Which was adopted by the following vote:

Affirmatve—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

County Clerk, Queens County—Authority to Print Land Map; and Modification of Schedule (No. 104).

(On April 23, 1915 (Cal. No. 92), the request of the County Clerk in this matter was referred to the Comptroller.)

The Secretary presented a communication, dated April 19, 1915, from the County Clerk of Queens County, requesting authority to print the land map of the County of Queens; and the following report of the Comptroller:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, June 30, 1915.

To the Board of Estimate and Apportionment, The City of New York:

Gentlemen—In a communication addressed to your Board under date of April 19, 1915, the Clerk of Queens County requested an appropriation of $4,875, pursuant to the provisions of section 7 of chapter 434 of the Laws of 1914, to purchase 250 copies of a land map of Queens County prepared in that office and to be permitted to sell the same at a price to be fixed by your Board.

Section 1 of chapter 434 of the Laws of 1914 provides as follows:

"Every instrument affecting real estate or chattels real, situate in the County of Queens, which shall be recorded in the office of the county clerk of said county on and after the first day of July, 1915, shall be recorded and indexed pursuant to the provisions of this act."

By the provisions of this law, the County Clerk is authorized and directed to prepare a map of said county on which shall be shown and delineated all the streets, avenues, roads, boulevards, parkways and water fronts, and this map is to be subdivided into convenient land sections and in blocks to be numbered consecutively from number one upward.

The County Clerk shall cause five copies of said map to be made and shall certify the same under his hand and seal, and shall file one in each of the following offices: Department of Taxes and Assessments, Borough of Queens; office of the Comptroller, and in the Bureau for the Collection of Assessments and Arrears of Taxes in said Borough.

Section 7 of the act under which this application is made reads as follows:

"Such number of any of the aforesaid maps as the board of estimate and apportionment of the city of New York may authorize and direct, not exceeding ten thousand, shall be printed by the said clerk of the county of Queens for sale, at a price fixed by the board of estimate and apportionment, and the proceeds of such sale shall be paid to the city chamberlain of the city of New York, to the credit of the general fund for the reduction of taxation."

The land map, copies of which are to be filed in certain offices in accordance with law, is four feet six inches by fourteen feet in dimensions; the atlas to be printed, mounted and bound, consists of about 50 leaves, size 19 by 24 inches, and there are eighty sections in each volume.

The Chief Clerk in the office of the County Clerk informed an Examiner in the Bureau of Municipal Investigation and Statistics that he believes 100 copies of the atlas will be disposed of without much delay to title and land development companies, banks and realty concerns, as these concerns will require them in order to properly describe the instruments to be recorded under their proper section and block.

The provision of law requiring the recording of all instruments affecting real property in Queens County is mandatory.

It is estimated that the books will cost $11.75 each to mount, bind, letter and tag, and the printing thereof at the rate of $16 per section for one hundred copies, $12.80 each, making a total cost of $24.55 each.

It is therefore recommended that your Board authorize and direct the County Clerk of Queens County, pursuant to section 7 of chapter 434 of the Laws of 1914, to have printed 100 copies of the atlas prepared by him, at an aggregate cost not to exceed the sum of $2,455, and that the price at which the atlas is to be sold fixed at $30 each, the profit upon each book being $5.45.

Section 32 of this act reads in part as follows:

"* * * Comptroller is authorized to raise whatever money may be required not otherwise provided for from time to time by the issue of city bonds in such amounts, in such series and payable at such time as the comptroller may determine, bearing interest at a rate not to exceed *four per centum* and not to be sold at less than par, provided that the total amount of such bonds shall not exceed the amount actually apppropriated or required to carry out the provisions of this act."

From the foregoing it appears that this is a mandatory county charge and special revenue bonds may be issued for the same under subdivision 7 of section 188 of the Greater New York Charter.

The adoption of the attached resolutions modifying the schedules of the Clerk of Queens County so as to include the additional appropriation, and authorizing and directing the County Clerk to print 100 copies of the land map and fixing the price thereof, is accordingly recommended. 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 County Clerk, Queens County, for the year 1915, as follows:

COUNTY CLERK, QUEENS COUNTY.

3528	Purchase of Equipment—	
	Office Equipment	$2,755 00
	General Plant Equipment	382 20
		$3,137 20
	Tax Levy Allowance	$682 20
	Revenue Bond Allowance	2,455 00
		$3,137 20

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, the Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 7 of chapter 434 of the Laws of 1914, hereby authorizes and directs the Clerk of the County of Queens to have printed and bound in atlas form 100 copies of a land map prepared by him, at a cost not to exceed $2,455, and that the price fixed for the sale thereof is $30 each.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of

Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Correction—Transfer of Appropriation and Modification of Schedules (No. 105).

The Secretary presented two communications dated June 21 and 28, 1915, respectively, from the Commissioner of Correction requesting modification of schedules involving a transfer within the appropriation for said Department for 1915; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, July 2, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 21, 1915, the Commissioner of the Department of Correction requested modification of six salary schedules for the year 1915. On June 28, 1915, an additional request was made for modification of three more salary schedules for the same year. In order to provide for the modification of these nine schedules a transfer of $7,460.83 is also requested.

The Bureau of Standards reports thereon as follows:

"The requested modifications are in Codes No. 2625, Administration, Executive; No. 2626, Audit, Accounts and Records; No. 2627, Purchase and Storage of Supplies; No. 2628, Care of Plant and Inmates, District Prisons; No. 2629, City Prisons; No. 2630, Workhouse; No. 2631, Reformatory; No. 2632, Penitentiary, and No. 2634, Ferries.

"The proposed changes are made necessary by reason of departmental transfers and to provide for the charging of employees' salaries to the codes under which they are employed. No changes of compensation or changes of titles are involved.

"The following shows the individuals to be transferred and the proposed changes in detail:

"Code 2625. Executive—

"It is proposed to transfer Harry C. Honeck, Inspector at $2,500, to this code from Audit, Accounts and Records, Code 2626.

"Code 2626. Audit, Accounts and Records—

"Transfers from this code are shown under Codes 2625 and 2627.

"Code 2627. Purchase and Storage of Supplies—

"It is proposed to transfer John J. O'Neil, Clerk at $2,100, to this code from Audit, Accounts and Records, Code 2626.

"Code 2628. District Prisons—

"It is proposed to transfer Martin McDonnell, a Keeper at $1,200, to this code from City Prisons, Code 2629.

"Code 2629. City Prisons—

"Transfers to this code are to be made as follows:

"To Queens, William C. Holmes, Head Keeper, at $1,800, from Workhouse, Blackwell's Island, Code 2630.

"To Brooklyn, Wm. J. Barry, Clerk at $1,410, from Workhouse, Blackwell's Island, Code 2630.

"To Manhattan, Meyer A. Levenson, Clerk at $800, from Penitentiary, Code 2632.

"To Manhattan, Margaret J. V. Clarke, Matron at $600, from District Prisons, Code 2628.

"To Manhattan, Mary E. F. Sullivan, Matron at $600, from District Prisons, Code 2628.

"To Queens, Margaret Quin, Matron, $600, from Penitentiary, Code 2632.

"To Queens, Mary Maloney, Matron, $600, from Penitentiary, Code 2632.

"To Queens, Otto Cook, Keeper at $1,200, from Penitentiary, Code 2632.

"To Manhattan, John Sheahan, Keeper at $900, from District Prisons, Code 2628.

"To Manhattan, Harry Mullaney, Keeper at $900, from Workhouse, Hart's Island, Code 2630.

"To Brooklyn, Thomas Marshall, Keeper at $900, from Penitentiary, Code 2632.

"To Brooklyn, Chas. A. Leonard, Keeper at $900, from Penitentiary, Code 2632.

"To Manhattan, Thomas F. Colton, Keeper at $800, from Penitentiary, Code 2632.

"To Manhattan, John Kelly, Hospital Helper at $480, from Reformatory, Code 2631.

"To Queens, Ethel Peters, Hospital Helper, at $480, from Penitentiary, Code 2632.

"To Queens, Mary Gorman, Laundress at $450, from Penitentiary, Code 2632.

"Code 2630. Workhouse—

"Transfers to this code are to be made as follows:

"To Blackwell's Island, Edwin S. Bogart, Bookkeeper at $1,500, from City Prison, Brooklyn, Code 2629.

"To Riker's Island, Chas. Sheridan, Keeper at $1,200, from Penitentiary, Code 2632.

"To Riker's Island, John Ford, Keeper at $1,200, from Penitentiary, Code 2632.

"To Hart's Island, Robert Koelln, Keeper at $1,200, from Penitentiary, Code 2632.

"To Blackwell's Island, George S. Anton, Keeper at $800, from Penitentiary, Code 2632.

"To Hart's Island, Helen T. Hannifin, Orderly at $360, from Ferries, Code 2634.

"To Blackwell's Island, Mamie Beatty, Orderly at $360, from Penitentiary, Code 2632.

"Code 2631. Reformatory—

"Individuals to be transferred and chargeable to this code are as follows:

"Charles R. White, Keeper at $1,200, from City Prison, Manhattan, Code 2629.

'Sidney G. Kobler, Keeper at $900, from Penitentiary, Code 2632.

"William J. Calhoun, Keeper at $1,200, from City Prison, Manhattan, Code 2629.

"Edward J. Brodie, Keeper at $800, from District Prisons, Code 2628.

"Chas. D. Marks, Jr., Hospital Helper at $480, from the Workhouse, Hart's Island, Code 2630.

"Stephen V. Tsanoff, Orderly at $360, from the Workhouse, Hart's Island, Code 2630.

"Code 2632. Penitentiary—

"Transfers to be made to this account are as follows:

"Thos. F. Corcoran, Keeper at $1,200, from City Prison, Manhattan, Code 2629.

"Francis J. Farney, Keeper at $1,200, from City Prison, Manhattan, Code 2629.

"Frank G. McConnell, Keeper at $1,200, from Reformatory, Hart's Island, Code 2631.

"Daniel O'Connor, Keeper at $900, from City Prison, Brooklyn, Code 2629.

"George W. Weitz, Keeper at $800, from Workhouse, Riker's Island, Code 2630.

"George W. Taylor, Orderly at $360, from Workhouse, Hart's Island, Code 2630.

"Chas. Ahrens, Clerk at $600, from City Prison, Manhattan, Code 2629.

"The following shows the proposed changes in schedule lines in the various accounts providing for the above transfer of individuals:

"Code 2625—Executive.

Proposed Schedule Line—

Inspector	$2,500 00

"Code 2626—Audit, Accounts and Records.

Existing Schedule Lines—

Inspector	$2.500 00
Clerk	2.100 00
	$4,600 00

"Code 2627—Purchase and Storage of Supplies.

Proposed Schedule Line—

Clerk	$2,100 00

"Code 2628—District Prisons.

Existing Schedule Lines—

Keeper, 28 at $1,200	$33,600 00
Keeper, 4 at $900	3,600 00
Keeper	800 00
Matron, 4 at $600	2,400 00
	$40,400 00

Proposed Schedule Lines—

Keeper, 29 at $1,200	$34,800 00
Keeper, 3 at $900	2,700 00
Matron, 2 at $600	1,200 00
	$38,700 00

"Code 2629—City Prisons.

Existing Schedule Lines—

Head Keeper, 3 at $1,800	$5,400 00
Bookkeeper	1,500 00
Clerk	1,410 00
Clerk, 2 at $600	1,200 00
Matron, 3 at $600	1,800 00
Keeper, 35 at $1,200	42,000 00
Keeper, 15 at $900	13,500 00
Keeper, 12 at $800	9,600 00
Hospital Helper, 4 at $480	1,920 00
	$78,330 00

Proposed Schedule Lines—

Head Keeper, 4 at $1,800	$7,200 00
Clerk, 2 at $1,410	2,820 00
Clerk	800 00
Clerk	600 00
Matron, 7 at $600	4,200 00
Keeper, 31 at $1,200	37,200 00
Keeper, 18 at $900	16,200 00
Keeper, 13 at $800	10,400 00
Hospital Helper, 6 at $480	2,880 00
Laundress	450 00
	$82,750 00

"Code 2630—Workhouse.

Existing Schedule Lines—

Head Keeper, 3 at $1,800	$5,400 00
Clerk	1,410 00
Keeper, 30 at $1,200	36,000 00
Keeper, 5 at $900	4,500 00
Orderly (Male), 23 at $360	8,280 00
Orderly (Female), 16 at $360	5,760 00
Hospital Helper, 11 at $480	5,280 00
	$66,630 00

Proposed Schedule Lines—

Head Keeper, 2 at $1,800	$3,600 00
Bookkeeper	1,500 00
Keeper, 33 at $1,200	39,600 00
Keeper, 4 at $900	3,600 00
Orderly (Male), 21 at $360	7,560 00
Orderly (Female), 18 at $360	6,480 00
Hospital Helper, 10 at $480	4,800 00
	$67,140 00

"Code 2631—Reformatory.

Existing Schedule Lines—

Keeper, 3 at $1,200	$3,600 00
Keeper, 2 at $900	1,800 00
Keeper, 7 at $800	5,600 00
Orderly	360 00
	$11,360 00

Proposed Schedule Lines—

Keeper, 4 at $1,200	$4,800 00
Keeper, 3 at $900	2,700 00
Keeper, 8 at $800	6,400 00
Orderly, 2 at $360	720 00
	$14,620 00

"Code 2632—Penitentiary.

Existing Schedule Lines—

Clerk	$800 00
Clerk	600 00
Matron, 3 at $600	1,800 00
Keeper, 34 at $1,200	40,800 00
Keeper, 10 at $900	9,000 00
Keeper, 23 at $800	18,400 00
Hospital Helper, 3 at $480	1,440 00
Laundress, 2 at $450	900 00
	$73,740 00

Proposed Schedule Lines—

Clerk, 2 at $600	$1,200 00
Matron	600 00
Keeper, 33 at $1,200	39,600 00
Keeper, 8 at $900	7,200 00
Keeper, 22 at $800	17,600 00
Hospital Helper, 2 at $480	960 00
Laundress	450 00
	$67,610 00

"Code 2634—Ferries.

Existing Schedule Line—

Orderly, 4 at $360	$1,440 00

Proposed Schedule Line —

Orderly, 3 at $360	$1,080 00

"The above changes involve the transfer of $7,460.83, distributed as follows:

Code.	From.	To.
2625	.....	$1,458 33
2626	$2,683 33	.....
2627	.....	1,225 00
2628	991 67	.....
2629	.....	2,578 33
2630	.....	297 50
2631	.....	1,901 67

Code.	From.	To.
2632	3,575 83	.....
2634	210 00	.....
	$7,460 83	$7,460 83

"As previously stated, no increases or decreases in salary are proposed and no changes in titles."

In view of the above facts we recommend the adoption of the attached resolutions (1) transferring the sum of $7,460.83 among the various codes, and (2) modifying the nine salary schedules as requested.

Respectfully, WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, 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 237 of the Greater New York Charter, hereby approves of the transfer of funds appropriated to the Department of Correction for the year 1915, as follows:

FROM

Personal Service, Salaries, Regular Employees.

Administration—	
2626 Audit, Accounts and Records	$2,683 33
Prison Service, Care of Plant and Inmates—	
2628 District Prisons	991 67
2632 Penitentiary	3,575 83
Ferry, Van and Truck Service—	
2634 Ferries	210 00
	$7,460 83

TO

Personal Service, Salaries, Regular Employees.

Administration—	
2625 Executive	$1,458 33
2627 Purchase and Storage of Supplies	1,225 00
Prison Service, Care of Plant and Inmates—	
2629 City Prisons	2,578 33
2630 Workhouse	297 50
2631 Reformatory	1,901 67
	$7,460 83

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Correction for the year 1915, to be effective as of June 1, 1915, as follows:

Personal Service, Salaries, Regular Employees.

Administration—

2625 Executive—

Commissioner	$7,500 00
Deputy Commissioner	5,000 00
Secretary	3,000 00
Private Secretary	2,000 00
Inspector	2,500 00
Clerk, 2 at $1,500	3,000 00
Clerk	900 00
Clerk	660 00
Clerk, 2 at $600	1,200 00
Clerk	540 00
Stenographer and Typewriter	900 00
Stenographer and Typewriter	720 00
Telephone Operator	720 00
Automobile Engineman	1,200 00
Schedule Total	$29,840 00

2626 Audit, Accounts and Records—

General Bookkeeper and Auditor	3,000 00
Clerk	1,260 00
Clerk	1,200 00
Clerk	900 00
Clerk	780 00
Clerk	540 00
Clerk	480 00
Schedule Total	$8,160 00

2627 Purchase and Storage of Supplies—

General Storekeeper	$2,400 00
Purchasing Agent	1,800 00
Clerk	2,100 00
Clerk	780 00
Clerk, 5 at $540	2,700 00
Orderly, 4 at $360	1,440 00
Hospital Helper, 4 at $480	1,920 00
Butcher, 2 at $1,050	2,100 00
Baker Foreman, 2 at $1,040	2,080 00
Schedule Total	$17,320 00

Prison Service, Care of Plant and Inmates—

2628 District Prisons—

Warden	$3,000 00
Physician	1,500 00
Clerk	800 00
Matron	900 00
Matron	750 00
Matron, 2 at $600	1,200 00
Keeper, 29 at $1,200	34,800 00
Keeper, 4 at $1,050	4,200 00
Keeper, 3 at $900	2,700 00
Orderly, 7 at $480	3,360 00
Laundress	450 00
Schedule Total	$53,660 00

2629 City Prisons—

Warden	$3,000 00
Warden, 2 at $2,500	5,000 00
Head Keeper, 4 at $1,800	7,200 00
Physician	1,500 00
Physician, 2 at $1,200	2,400 00
Resident Physician	$1,200 00
Apothecary	900 00
Clerk, 2 at $1,410	2,820 00
Clerk	1,000 00
Clerk	800 00
Clerk	750 00
Clerk	600 00
Matron	1,000 00
Matron, 6 at $900	5,400 00
Matron	750 00
Matron, 7 at $600	4,200 00
Keeper, 31 at $1,200	37,200 00
Keeper, 12 at $1,050	12,600 00
Keeper, 18 at $900	16,200 00
Keeper, 13 at $800	10,400 00
Cook, 2 at $720	1,440 00
Cook, 2 at $600	1,200 00
Elevatorman	600 00
Orderly	1,300 00
Orderly, 10 at $480	4,800 00
Orderly (Female), 4 at $480	1,920 00
Orderly	400 00
Hospital Helper, 6 at $480	2,880 00
Laundress	450 00
Balance unassigned	1,150 00
Schedule Total	$131,060 00

2630 Workhouse—

Warden, 2 at $2,500	$5,000 00
Deputy Warden	1,920 00
Head Keeper, 2 at $1,800	3,600 00
Superintendent of Women	1,200 00
Physician (Female)	1,200 00
Physician, 2 at $1,200	2,400 00
Physician, 4 at $12	48 00
Apothecary	900 00
Bookkeeper	1,500 00
Clerk	900 00
Chaplain, 9 at $450	4,050 00
Matron, 8 at $900	7,200 00
Matron, 8 at $600	4,800 00
Keeper, 33 at $1,200	39,600 00
Keeper, 8 at $1,050	8,400 00
Keeper, 4 at $900	3,600 00
Keeper, 16 at $800	12,800 00
Trained Nurse (Male), 3 at $600	1,800 00
Trained Nurse (Female)	600 00
Trained Nurse	360 00
Nurse, 2 at $360	720 00
Nurse	300 00
Orderly	480 00
Orderly (Male), 21 at $360	7,560 00
Orderly (Female), 18 at $360	6,480 00
Orderly (Male), 11 at $240	2,640 00
Hospital Helper, 9 at $600	5,400 00
Hospital Helper, 10 at $480	4,800 00
Cook, 2 at $720	1,440 00
Laundress	450 00
Shoemaker	900 00
Gardener	1,050 00
Mechanic's Helper	600 00
Mason	1,200 00
Teacher	900 00
Prison Registrar	1,410 00
Balance Unassigned	1,560 00
Schedule Total	$139,768 00

2631 Reformatory—

Warden	$2,500 00
Physician	1,200 00
Keeper, 4 at $1,200	4,800 00
Keeper, 3 at $900	2,700 00
Keeper, 8 at $800	6,400 00
Gardener	1,050 00
Nurse	360 00
Hospital Helper	600 00
Hospital Helper, 4 at $480	1,920 00
Orderly, 2 at $360	720 00
Cook	720 00
Cook	600 00
Farm Superintendent	1,800 00
Farm Instructor, 6 at $900	5,400 00
Teacher, 4 at $800	3,200 00
Schedule Total	$33,970 00

2632 Penitentiary—

Warden	$3,500 00
Head Keeper	1,800 00
Physician, 2 at $1,200	2,400 00
Clerk	1,020 00
Clerk, 2 at $600	1,200 00
Matron	600 00
Chaplains	450 00
Keeper, 33 at $1,200	39,600 00
Keeper, 7 at $1,050	7,350 00
Keeper, 8 at $900	7,200 00
Keeper, 22 at $800	17,600 00
Shoemaker	900 00
Elevatorman	600 00
Nurse	600 00
Hospital Helper	600 00
Hospital Helper, 2 at $480	960 00
Orderly, 2 at $360	720 00
Laundress	450 00
Mechanic's Helper	600 00
Teacher, 2 at $800	1,600 00
Cook	720 00
Balance unassigned	1,900 00
Schedule Total	$92,370 00

Ferry, Van and Truck Service—

2634 Ferries—

Pilot, 2 at $1,620	$3,240 00
Pilot, 2 at $1,400	2,800 00
Engineer, 2 at $1,500	3,000 00
Engineer, 2 at $1,350	2,700 00
Mate, 4 at $900	3,600 00
Deckhand, 13 at $720	9,360 00
Hospital Helper	600 00
Orderly, 3 at $360	1,080 00
Cook	720 00
Schedule Total	$27,100 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Public Charities—Modification of Schedule (No. 106).

The Secretary presented the following report of the Comptroller:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 7, 1915.

To the Board of Estimate and Apportionment, The City of New York:

Gentlemen—In a communication dated July 3, 1915, addressed to the Comptroller the Department of Public Charities requested that $32,000 special revenue bonds be issued to provide for deficiencies in the following accounts for 1915:

Fixed Charges and Contributions, Non-Institutional Care for Dependents, Dependent Veterans.

2043	Donations to Grand Army Veterans	$25,000 00
2044	Donations to Spanish War Veterans	7,000 00
		$32,000 00

Account No. 2043.

Investigation discloses that the original appropriation for 1915 was $35,000, against which there have already been forwarded vouchers aggregating $34,454, and the unpaid requisitions to date amount to $1,251, making a total of $35,705 to date.

The average monthly expenditures from this account will amount to about $5,000, according to the nearest estimates, and at this rate the amount required for the balance of this year will be $25,000, which is the amount requested.

Account No. 2044.

The original appropriation for this account was $11,000, and to date the vouchers registered have entirely disposed of this amount, while the unpaid requisitions held by the Department of Public Charities for lack of funds aggregate about $2,630, making a total of $13,630 to date.

It is estimated that the average monthly expenditures from this account will probably not exceed $1,500, upon which basis the requirements for this year would be $18,000, which accounts for the $7,000 requested.

It is stated by the Department of Public Charities that sufficient investigation is made of each application to justify the relief extended.

The disbursement of donations to veterans and their families is governed by the "Poor Law," which constitutes chapter 42 of the Consolidated Laws. Section 80 of this law provides, in part, as follows:

"No poor or indigent soldier, sailor or marine who has served in the military or naval service of the United States, nor his family nor the families of any who may be deceased shall be sent to any almshouse, but shall be relieved and provided for at their homes in the city or town where they may reside, so far as practicable, provided such soldier, sailor or marine or the families of those deceased, are, and have been residents of the state for one year. * * *"

Section 81 of the law provides, in effect, that in cities of the first class (which includes New York City) it shall be the duty of the Commissioner of Charities to include in his budget the sums necessary to carry out the provisions of this act.

Up to October 1, 1913, these donations were made by the various Grand Army posts to the beneficiaries, and upon presentation to the Department of Public Charities of properly executed and receipted vouchers, proper reimbursement was made to the Grand Army post. This method of disbursement was changed by an amendment to the Poor Law, chapter 594, Laws of 1913, which became effective on May 17, 1913. All disbursements are now made by the Department of Public Charities direct to the beneficiary. An Investigator of that department certifies that the party to whom the donation is made is an indigent person.

In view of the foregoing and the fact that these expenses are mandatory it appears that an issuance of special revenue bonds should be made under subdivision 7 of section 188 of the Greater New York Charter, in the sum of $32,000, in the following accounts:

Account No. 2043—Donations to Grand Army Veterans	$25,000 00
Account No. 2044—Donations to Spanish War Veterans	7,000 00
	$32,000 00

The adoption of the attached resolution, approving the schedules as revised, to include the additional appropriations, is therefore recommended.

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 Public Charities for the year 1915, as follows:

Fixed Charges and Contributions, Non-Institutional Care for Dependents, Dependent Veterans.

2043	Donations to Grand Army Veterans		$60,000 00
	Tax Levy Allowance	$35,000 00	
	Special Revenue Bonds	25,000 00	
			$60,000 00
2044	Donations to Spanish War Veterans		$18,000 00
	Tax Levy Allowance	$11,000 00	
	Special Revenue Bonds	7,000 00	
			$18,000 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Board of Aldermen and City Clerk; Board of Estimate and Apportionment—Transfer of Appropriation and Modification of Schedules (No. 107).

The Secretary presented the following report of the Comptroller:

City of New York, Bureau of Municipal Investigation and Statistics, July 8, 1915.

To the Board of Estimate and Apportionment, The City of New York:

Gentlemen—Request is made for the transfer of funds appropriated for the year 1915, as follows:

FROM

BOARD OF ESTIMATE AND APPORTIONMENT.

47	Contingencies	$150 00

TO

BOARD OF ALDERMEN AND CITY CLERK.

12	Contingencies	$150 00

The amount requested to be transferred is required to pay the transportation and other expenses incurred by a committee of nine of the Board of Aldermen on a trip to Albany on July 1, 1915, to appear before the Committee of the Constitutional Convention considering the home rule amendments.

The amount appropriated in the budget for Account No. 12, Contingencies, was but $10, which has long since been exhausted, and the amount requested to be transferred will be necessary to meet the expenditures of the trip referred to.

The adoption of the attached resolutions approving the transfer and schedules as revised is therefore recommended. 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 of the transfer of funds appropriated for the year 1915, as follows:

FROM

BOARD OF ESTIMATE AND APPORTIONMENT.

47	Contingencies	$150 00

TO

BOARD OF ALDERMEN AND CITY CLERK.

12	Contingencies	$150 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

The following resolution was offered.

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the year 1915, as follows:

BOARD OF ESTIMATE AND APPORTIONMENT.

47	Contingencies—		
	General		$62,171 68
	For use of Commission on Pensions		500 00
	Bureau of Standards, Wages, Temporary Employees—		
	Multigraph Operator, at $3 per day (150 days)		450 00
	Bureau of Public Improvements, Salaries, Temporary Employees—		
	Stenographer and Typewriter, at $125 per month (to take effect January 1, 1915)		1,500 00
	Committee on City Plan—		
	Draftsman, 2 at $100 per month (20 months)		2,000 00
	For use of Mayor's Committee on Food Supplies—		
	Miscellaneous Expenses		1,728 32
	Committee on Taxation—		
	Traveling and miscellaneous expenses of experts and members of the Committee	$2,000 00	
	General expenses	1,000 00	
			3,000 00
			$71,350 00

BOARD OF ALDERMEN AND CITY CLERK.

12	Contingencies—		
	Board of Aldermen (General)		$160 00
	Committee on Buildings—		
	Secretary (fixed amount)		3,000 00
	Stenographer, 6 months at $150 per month		900 00
	Contingencies		600 00
	Committee on Codification of Ordinances—		
	Stenographer, 16 weeks, at $20 per week		320 00
	Contingencies		60 00
			$5,040 00
	President, Board of Aldermen		10 00
	City Clerk		10 00
			$5,060 00
	Tax Levy Allowance		$180 00
	Special Revenue Bond Allowance		4,880 00
	Total Contingencies		$5,068 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Correction—Release of Appropriation of Corporate Stock for Building at New Hampton Farms Reformatory (No. 108).

The Secretary presented a communication, dated July 8, 1915, from the Commissioner of Correction requesting the release of $13,135 of the appropriation of $425,000 for the building at New Hampton Farms Reformatory, so as to provide for the construction of foundations and for Receiving and Classification Building.

The matter was referred to the Bureau of Contract Supervision.

Board of Estimate and Apportionment; Committee on Tax Budget—Publication of Bulletins Containing Information Relative to the Budget for 1916 (No. 109).

The Comptroller offered the following resolution:

Resolved, That the Board of Estimate and Apportionment hereby authorizes the expenditure of one thousand dollars ($1,000) by the Tax Budget Committee for the issue of bulletins containing information relative to the departmental estimates received from the various City departments for the Budget of 1916, said sum to be chargeable to the Contingent fund of the Board of Estimate and Apportionment, Code No. 47, for the year 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn, The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Finance—Offer of Property for Site as a Public Market, Etc. (No. 110).

The Secretary presented a communication, addressed to the Comptroller, dated July 3, 1915, from Edward Percy Howard, on behalf of the owners of the Harlem River Park and Casino, offering to sell the property to the City for use as a public market or for whatever use the City might see fit to make of it.

On May 21, 1915 (Cal. No. 77), a similar communication from Mr. Howard was presented to the Board and referred to the Committee on Markets, to the Committee on Corporate Stock Budget and to the Comptroller.

The communication was referred to the Committee on Corporate Stock Budget and to the Committee on Markets.

President, Borough of The Bronx—Closing to the Navigation of a Certain Type of Masted Vessels of a Portion of the Bronx River North of the Southerly Line of East 174th Street, Borough of The Bronx (No. 111).

The Secretary presented a communication, dated July 6, 1915, from Col. W. D. Black, Corps of Engineers, United States Army, referring to the resolution adopted by the Board on May 7, 1915 (No. 114), requesting the Secretary of War to close that portion of the Bronx River north of the southerly line of East 174th Street, as at present fixed, to the navigation of vessels having a vertical clearance above mean low water (Bronx standard) of more than 30 feet, in accordance with the plan attached, dated May 6, 1915.

Col. Black states that the bridge, as shown on the plan accompanying the application, and all available pertinent information, not being satisfactory to the Secretary of War, the Board is informed that action will be deferred by the War Department until definite plans of the proposed bridge have been decided upon and submitted for approval to the Secretary of War and the Chief of Engineers, as contemplated by the Act of Congress approved June 25, 1910.

The communication was referred to President, Borough of The Bronx.

Board of Estimate and Apportionment; Committee on Education—Authority to Employ Tabulating Machine Operator (No. 112).

The Secretary presented a communication dated July 8, 1915, from the Comptroller, making application for the appointment of Miss Ethel C. Woll to the staff of the Committee on Education, as a Tabulating Machine Operator at a salary of $900 per annum.

The matter was referred to Committee on the Organization of the Board.

Court House Board—Request for Complete Statement of Quantities of Work and Materials for Proposed New Court House, Etc. (No. 113).

The Secretary presented a communication dated July 6, 1915, from the Secretary of the Court House Board in response to resolution adopted by the Board of Estimate and Apportionment on July 1, 1915 (No. 224), requesting the Court House Board to submit a complete statement of quantities of all work and materials to go into the proposed new Court House, etc.; also to direct the Architect of the Court House to furnish the Bureau of Contract Supervision with information concerning plans for the building.

The Secretary of the Court House Board states that prior to the receipt of the

above request, said Board had engaged the services of the Quantity Survey Company, Inc., to prepare a detailed survey of the quantity and current prices of the various kinds of materials and labor required by the specifications for the new Court House. A complete statement containing a description of the plans, etc., will be presented to the Board of Estimate and Apportionment.

It is requested that there be transmitted to the Court House Board a copy of any report which may have been made upon which the recent criticisms have been predicated, so that said Board may have the opportunity of making an early reply thereto.

The matter was referred to the Committee on Corporate Stock Budget and to the Committee on the City Plan.

Court of General Sessions, New York County—Issue of Special Revenue Bonds (No. 114).

The Secretary presented a communication dated July 1, 1915, from the Judges of the Court of General Sessions in response to resolution adopted by the Board on June 11, 1915 (Cal. No. 70), requesting the Judges of said Court to submit a detailed plan for carrying out the probation work of the Court.

The Judges state that after again examining the matter, they have concluded that an appropriation of $10,000 by the City might be sufficient to be apportioned among 10 Probation Officers at $1,000 each, 3 to be appointed from the Catholic Protective Society, 3 from the Jewish Protectory and Aid Society, 3 from the Prison Aid Association, and 1 from the National League on Urban Conditions among Negroes. If two of the above mentioned societies withdraw from this work and the plan outlined is not followed, either the probation work of the Court will come to a standstill or it will be necessary to devise a probation system under the Civil Service Law.

The matter was referred to the Committee on Salaries and Grades.

Commissioners of Accounts—Mandatory Legislative Enactments Affecting the Budget for 1915 (No. 115).

The Secretary presented a communication, dated June 28, 1915, from the Chief of Staff, Office of the Commissioners of Accounts, submitting printed copy of the analysis made by said Commission of the Budget for the year 1915 with a view of determining the amount therein wholly or partly mandatory as the result of legislative enactments.

The matter was referred to Committee on Tax Budget.

Board of Aldermen—Issue of Special Revenue Bonds for Observance of Independence Day (No. 116).

The Secretary presented a resolution adopted by the Board of Aldermen on June 22, 1915, requesting an issue of $10,000 special revenue bonds, to be used by a Special Committee of the Board of Aldermen for the purpose of providing for an appropriate and adequate observance of Independence Day.

The Secretary also presented a communication, dated June 15, 1915, from Alfred R. Conkling, protesting the above appropriation.

The matter was referred to the Comptroller.

Public Administrator, Bronx County—Semi-Annual Report from January 1 to June 30, 1915 (No. 117).

The Secretary presented a communication, dated July 3, 1915, from the Public Administrator of the County of The Bronx, transmitting copy of report of the business transacted by his office from January 1 to June 30, 1915, inclusive.

The papers were ordered filed.

On motion of the President of the Board of Aldermen the Board adjourned until Wednesday, July 14, 1915, at 2.30 o'clock p. m., for a special meeting to consider transit and other matters. JOSEPH HAAG, Secretary.

BOARD OF ESTIMATE AND APPORTIONMENT

Minutes of Special Meeting of Board of Estimate and Apportionment Held in Room 16, City Hall, Monday, July 12, 1915, at 2 o'clock P. M.

The Board met in pursuance of the following call:

City of New York, Office of the Mayor, July 12, 1915.

A special meeting of the Board of Estimate and Apportionment is hereby called for Monday, July 12, 1915, at 2 o'clock p. m., to be held in Room 16, City Hall, Borough of Manhattan, for the purpose of taking appropriate action on the death of Hon. Charles J. McCormack, President of the Borough of Richmond.

JOHN PURROY MITCHEL, Mayor.

Admission of timely service upon us of a copy of the foregoing notice:

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; RALPH FOLKS, Acting President, Borough of Manhattan; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; MAURICE E. CONNOLLY, President, Borough of Queens, and SPIRE PITOU, Jr., Acting President, Borough of Richmond.

Present—John Purroy Mitchel, Mayor; William A. Prendergast, Comptroller; George McAneny, President, Board of Aldermen; Ralph Folks, Acting President, Borough of Manhattan; Lewis H. Pounds, President, Borough of Brooklyn; Douglas Mathewson, President, Borough of The Bronx; James A. Dayton, Acting President, Borough of Queens, and Spire Pitou, Jr., Acting President, Borough of Richmond.

The Mayor, Hon. John Purroy Mitchel, presided.

The Mayor announced that this special meeting was called for the purpose of taking appropriate action on the death of Hon. Charles J. McCormack, President of the Borough of Richmond.

The President of the Board of Aldermen offered the following:

The members of the Board of Estimate and Apportionment of The City of New York have learned with keenest sorrow of the death, on July eleventh, of their associate and co-worker, Charles J. McCormack, President of the Borough of Richmond.

President McCormack was an exemplary public servant. Long trained in the service of the City, he brought to the office of Borough President, not only high standards of efficiency, but intense loyalty to duty and constant devotion to the public interest. He was the soul of integrity, a man of most winning personality, faithful to every friend, and beloved of everyone to whom his friendship in turn was given.

The members of the Board of Estimate and Apportionment hereby record their profound feeling of grief at his loss, and extend to the people of the Borough of Richmond their heartfelt sympathy. Be it

Resolved, that a copy of this minute be sent to the family of President McCormack, with an expression of the deep sympathy of the members of the Board, in their personal bereavement.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn and The Bronx and the Acting Presidents of the Boroughs of Queens and Richmond—16.

The President of the Board of Aldermen moved that the resolution on the death of the President of the Borough of Richmond, adopted by the Board, be engrossed and transmitted to Mrs. C. J. McCormack.

Which motion was carried unanimously.

The Mayor offered the following resolution:

Resolved, That, owing to the funeral of the late President of the Borough of Richmond, the special meeting of the Board of Estimate and Apportionment set for Wednesday, July 14, 1915, at 2.30 o'clock p. m., be adjourned to Thursday, July 15, 1915, at 10 o'clock a. m., and that matters laid over to July 14, 1915, at the meeting of July 9, 1915, be considered at the meeting of July 15, 1915.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Acting President of the Borough of Manhattan, the Presidents of the Boroughs of Brooklyn and The Bronx and the Acting Presidents of the Boroughs of Queens and Richmond—16.

The Board then adjourned to meet on Thursday, July 15, 1915, at 10 o'clock a. m.

JOSEPH HAAG, Secretary.

BOARD OF ESTIMATE AND APPORTIONMENT

Minutes of Special Meeting of Board of Estimate and Apportionment in Room 16, City Hall, Thursday, July 15, 1915.

The Secretary announced that the special meeting scheduled for this morning at 10 o'clock a. m. is postponed until Wednesday, July 21, 1915, at 10.30 o'clock a. m., and that the matters that were to be considered to-day would be considered at the meeting to be held Wednesday, July 21, 1915. JOSEPH HAAG, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION.

Minutes of Meeting of the Municipal Civil Service Commission Held Tuesday, June 8, 1915, at 2 o'Clock P. M.

Present—Hon. Henry Moskowitz, President; Hon. Darwin R. James, Jr., and Hon. Alexander Keogh, Commissioners.

The President presided.

A public hearing was had on the proposed amendment of the classification by striking from the Exempt Class under the heading "Municipal Court" the following: Clerk to Each District, Deputy Clerk to Each District, 44 Assistant Clerks.

Hon. Frederick Spiegelberg, Justice, Fifth District, Manhattan, and Hon. Nelson S. Spencer, Chairman, Law Committee, Civil Service Reform Association, appeared in behalf of the proposed amendment, and Hon. John M. Tierney, President, Board of Justices of the Municipal Court; Hon. Wauhope Lynn, Justice, First District, Manhattan; Hon. John R. Davies, Justice, Seventh District, Manhattan; and Hon. Edward A. Richards, Justice, Seventh District, Brooklyn, appeared in opposition. The Secretary stated that a communication had been received from Hon. Charles W. Coleman, Justice, Fifth District, Manhattan, dated May 18th, in favor of the amendment, and that a communication dated May 17th had been received from Hon. Edgar J. Lauer, Justice, Ninth District, opposing the amendment. There were no other appearances, and the Chair declared the hearing closed.

The Commission then went into regular session.

On motion the proposed amendment of the caassification affecting positions in the Municipal Courts was laid over.

After consideration of a certification dated May 29th of three names from the eligible list of Civil Service Examiner with knowledge of Accounting and Business Methods, on motion it was

Resolved, That Charles A. Stiles, 18 Rollins Place, Yonkers, N. Y., be and he hereby is appointed to the position of Civil Service Examiner with knowledge of Accounting and Business Methods, in the office of the Municipal Cvil Servce Commission at a salary of $3,000 per annum, to take effect June 23d, 1915.

After consideration of two certifications dated June 3d, of three names each from the eligible list of Civil Service Examiner (Civil Engineering), the followng resolutions were adopted:

Resolved, That the following named persons be and they hereby are appointed to the position of Civil Service Examiner, Civil Engineering (per diem), in the office of the Municipal Civil Service Commission with compensation at the rate of $10 per day when employed: Henry R. Asserson, 404 Eighth Avenue, Brooklyn; Gerardo Immediato, 129 West 81st Street, New York City.

Resolved, That Charles S. Shaughnessy, 178 Amity Street, Flushing, L. I., be and he hereby is appointed to the position of Civil Service Examiner, Civil Engineering, in the office of the Municipal Civil Service Commission at a salary of $2,700 per annum.

Upon the recommendation of the Committee on Appeals, the appeals of the following named candidates in the examination for Finger Print Expert for a re-rating of papers, special examinations, etc., were denied: Patrick J. Reilly, 70½ East 119th Street, New York City; Frank R. Pierce, 806 Elton Avenue, New York City; William A. Meagher, 1354 38th Street, Brooklyn, N. Y.; Charles Voelker, 491 Railroad Avenue, Brooklyn, N. Y.; Irwin P. Boylan, 516 East 157th Street, New York City; Joseph J. Flynn, 239 West 21st Street, care of Fowler; John W. Jaeger, 35 Tompkins Place, Glendale, L. I.

On motion it was

Resolved, That a leave of absence without pay be and hereby is granted Mrs. A. F. Hahn, 1812 Avenue L, Brooklyn, N. Y., Custodian in the office of the Commission, for a period of five weeks from June 23d, 1915.

The Commission then adjourned to meet Wednesday, June 9th, 1915, at 10.30 o'clock a. m. ROBERT W. BELCHER, Secretary.

BOROUGH OF MANHATTAN.

REPORT FOR THE QUARTER ENDED MARCH 31, 1915.

Division of Audit and Accounts.

Vouchers Drawn Against Funds.

Appropriations.	January.	February.	March.	Total.
Prior Years	$64,265 19	$48,643 24	$54,599 54	$167,507 97
Current Years	102,792 39	125,427 85	228,599 54	456,819 78
Revenue Bonds	8,706 07	10,081 54	1,651 14	20,438 75
Corporate Stock	114,170 55	8,439 50	64,744 72	187,354 77
Special and Trust	35,089 97	50,081 73	32,310 23	117,481 93
Total	$325,024 17	$242,673 86	$381,905 17	$949,603 20

Moneys Received.

Special Fund, Restoring and Repaving, $58,388.72.

Sinking Fund, Vaults, $21,643.26.

General Fund, Sewers, $770; Sheds, $435; Redemptions, $112.75; Prints, $161.45; Court Fees, $61.96; Public Comfort Stations, $108.23; Paper Sales, $654.79; Inspection Service, $86.20; Chair Sale, $20; Bay Windows, $12.74; Damage to Roller, $1.25; Inspectors' Instruction Book, $1; Dr. Patterson, Check Gen. Fund, $12.66.

Miscellaneous, C. P. M. 37, $12,837.68; Special Security Deposits, $700.

Grand Total, $96,007.69.

Division of Permits.

Character of permits issued: (a) Deposit; (b) Corporation; (c) Emergency; (d) Sidewalk.

(a) Deposit Permits—Water, 680; Sewer, 118; Vault street openings, 28; Reset and drop curb, 18; Miscellaneous, 137; Finance Department, 1. Cut curb, 16; dest. curb, 13; drop curb, 1. Building material, 256; Roofs and sheds, 65; Vaults, 46; Bay windows, 1; Total, 1,115 Payments, $68,350.82.

Corporation Permits.

The different items covered by (b) Corporation Permits are classified as follows:

	New Mains.	Overhaul Mains.	Services.	Repairs.	Total.
Con. Tel. & Elec. Subway Co.	46	....	260	70	376
Empire City Subway Co., Ltd.	5	....	49	146	200
Consolidated Gas Co.	2	14	26	1,111	1,153
N. Y. Steam Co.	..	....	3	47	50
Degnon Contracting Co.	37	....	....	....	37
Beaver Engineering Co.	..	....	....	1	1

	Erect.	Reset.	Renew.	Lamps.	
Edison Co.	3	22	3	9	37
				Repairs.	
N. Y. Railways Co.	..	....	....	11	11
Second Ave. R. R. Co.	..	....	....	4	4
	93	36	341	1,399	1,869

Emergency Permits—Repairs made under police permits on account of the inadvisability of waiting until an ordinary permit could be obtained. Issued to: New York Steam Co., 1; N. Y. Mail & Newspaper Trans. Co., 2; New York Edison Company, 8; Empire City Subway Co., 2; Consolidated Gas Co., 37; total, 50.

Sidewalk Permits—Sidewalk repair permits, 440.

Recapitulation of Permits Issued—Deposit permits issued, 1,115; Corporation permits issued, 1,869; Emergency permits issued, 50; Sidewalk permits issued, 440; total, 3,474.

Length in feet of all mains and services of 75 feet or more installed during this quarter: Con. Tel. & Elec. Subway Co., 5,352 feet; Empire City Subway Co., Ltd., 1,548 feet; Consolidated Gas Company, 998 feet; total, 7,898 feet.

Amount of deposits liquidated, $81,179.20; Number of permits liquidated, 1,541; Number of refunds granted, 1,253; Amount of refunds granted, $54,436.27; Profit on permits liquidated, $875.17.

Mileage and Yardage of Paving and Repaving.

Pavement.	Length in Miles.	Yardage.	Length in Miles.	Yardage.	Length in Miles.	Yardage.
Sheet Asphalt	0.28	3,636	0.01	247	0.29	3,883
Wood Block	....	39	....	....	....	39
Granite Block	0.15	5,461	....	....	0.15	5,461
Totals	0.43	9,136	0.01	247	0.44	9,383

Division of Stone Block Repairs.

Corporation and plumber openings, 6,204 square yards; emergency orders, 7,131 square yards. Total, 13,335 square yards.

STREETS AND ROADS.

Macadam roadway resurfaced, 13.2 square yards; macadam roadway cleaned, 1,310 square yards; macadam roadway gutters cleaned, 32,400 linear feet; dirt roadway reregulated and regraded, 5,022 square yards; dirt roadway gutters cleaned, 4,280 linear feet; curb reset, 16 linear feet; flagging reset, 1,030 square feet; crosswalk reset, 28 linear feet; stone gutter relaid (native stone), 22 square yards; washouts filled (40), 246 cubic yards; refuse removed, 225 cubic yards; road boxes cleaned, 105; repairs to guard rail, 170 linear feet; concreting foot of columns, 155th St. Viaduct, 86 columns; sidewalk cleaned, 175 linear feet; spread ashes (playground), 32d St. west of 10th Ave., 150 cubic yards.

Cubic Yards of Materials Used—1½-inch broken stone, trap rock, 2; screenings, 1; stone, native, 696; earth, 137; ashes, 289; sand, 16.5; gravel, 11.

Contracts Entered Into.

Paving.

	Estimated Cost.
156th St., from Marginal St. to 8th Ave.	$7,167 60

Sewers and Receiving Basins.

Park Ave., between 119th and 120th Sts. (alteration and improvement)	$4,829 80
44th St., between 7th and 8th Aves. (alteration and improvement)	9,190 47
19th St., between 6th and 7th Aves. (alteration and improvement)	7,003 00
South St. and Market Slip, N. E. and N. W. corners (alteration and improvement) (basins)	1,298 45
218th St., between Seaman Ave. and Park Terrace West, and between Park Terrace West and Summit East; 217th St., Park Terrace West and Summit East; 215th St., between Seaman Ave. and Summit East of Park Terrace West; Seaman Ave., between 218th and 215th Sts.; Park Terrace West, between 218th St. and 100 feet south of 215th St.; 218th St., between Harlem Ship Canal and Seaman Ave.; 215th St., between Indian Road and Seaman Ave.; Indian Road, between 218th and 215th Sts., and Seaman Ave., between 215th St. and 80 feet south	33,305 60
	$55,627 32

Regulating, Grading, Etc.

155th St., from Broadway to Riverside Drive	$28,031 25

Miscellaneous.

Furnishing about 47,300,000 lbs. coal, public buildings, etc	$66,619 35
Furnishing about 4,000,000 lbs. coal, asphalt plant	4,284 00
Furnishing about 425 street signs and containers	2,443 75
Furnishing about 400 cases toilet paper	2,509 08
Furnishing about 800 bbls. Portland cement	1,234 80
Furnishing about 12,000 bags Portland cement	3,259 62
Furnishing about 1,000 tons Portland cement	5,628 00
Furnishing about 150,000 bricks	1,055 25
Furnishing iron castings, manhole heads, etc	3,011 92
Furnishing about 3,500 tons refined asphalt	43,806 00
Furnishing about 3,000 tons limestone dust	10,552 50
Furnishing about 8,000 cubic yards binder stone	7,392 00
Furnishing about 2,000 tons coal tar paving cement	24,045 00
Furnishing about 7,000 cubic yards paving sand	4,310 25
Furnishing about 6,000 cubic yards paving gravel	6,292 12
Furnishing about 150 cords mixed wood	1,378 12
Improvement of market spaces under Manhattan Bridge	13,300 88
Improvement of market spaces under Williamsburg Bridge	3,350 20
Constructing shed, West 56th St. Corporation Yard	1,898 00
Constructing shed, asphalt plant	5,996 00
Constructing mezzanine floor in Washington Market	27,411 00
Plumbing, mezzanine floor in Washington Market	1,141 00
Electric light system in Washington Market	1,107 00
Furnishing steel furniture, Children's Court	2,009 00
Furnishing steel furniture, Children's Court	1,965 00
Furnishing lighting fixtures, Children's Court	5,420 00
Window cleaning, public buildings and offices, 1915	4,260 00
	$255,679 84

RECAPITULATION.

1 paving contract	$7,167 60
5 sewer and receiving basin contracts	55,627 32
1 regulating and grading contract	28,031 25
27 miscellaneous contracts	255,679 84
34 contracts	$346,506 01

Contracts Completed.

Repaving.

	Amount.
Avenue D, from 5th to 10th St	$21,375 83

Paving.

161st St., from Broadway to Fort Washington Ave	$2,448 63

Sewers.

24th St., from 6th to 7th Ave. (alteration and improvement)	$11,677 10
161st St., from Riverside Drive to Fort Washington Ave. (alteration and improvement)	7,225 70
Walker St., from Broadway to West Broadway	10,761 37
	$29,664 17

Miscellaneous.

Furnishing 11 trailers	$7,672 50
Furnishing 5 steam asphalt rollers	6,225 00
Furnishing 1,000 street signs	6,110 00
Constructing roofing and flashings at Washington Market	2,097 00
	$22,104 50

RECAPITULATION.

1 repaving contract	$21,375 83
1 paving contract	2,448 63
3 sewer contracts	29,664 17
4 miscellaneous contracts	22,104 50
	$75,593 13

Bureau of Sewers.

On March 31, 1915, the sewerage system of the borough consisted of 520.447 miles of sewers, 6,554 receiving basins and 44 sluice basins.

During the quarter 1,503.78 linear feet of sewer, 21 receiving basins and 31 sluice basins were built as new work.

Work Completed.

Alteration and Improvement of Sewer and Appurtenances in Walker Street between West Broadway and Broadway.

Alteration and Improvement to Sewer in 24th Street between 6th and 7th Avenues.

Sewer in 161st Street between Riverside Drive and Fort Washington Avenue.

Reconstruction of Sewer on the line of 115th Street between North River and Riverside Drive.

The amount earned on the above works payable out The Street Improvement Fund is $9,605.94, and from Corporate Stock Funds $2,583.92.

Work under Construction payable out of Street Improvement Fund.

Alteration and Improvement to Sewer in 93rd Street from a point about 60 feet east of Third Avenue to Lexington Avenue.

Alteration and Improvement to Sewer in 76th Street between Lexington and Park Avenues.

Alteration and Improvement to Sewer in 44th Street between Seventh and Eighth Avenues.

Alteration and Improvement to Sewer on the west side of Park Avenue between 119th and 120th Streets.

Alteration and Improvement to Catch Basins at the northeast and northwest corners of South Street and Market Slip.

The contract prices for the above works amount to $26,467.12.

Work under Construction payable out of Corporate Stock Funds.

Reconstruction of Sewer in South Street from Oliver Street to Pier No. 26, East River, near Catharine Street.

Repairs to Barrel Sewer under Pier at the foot of 18th Street and East River.

Construction of Type "B" Sluice Basins adjacent to the northeast and southeast corners of Fulton and Church Streets, northeast and southeast corners of Trinity Place and Exchange Alley, northeast and southeast corners of Trinity Place and Cedar Street, northeast and southeast corners of Trinity Place and Thames Street and northeast corner of Trinity Place and Liberty Street.

Construction of Receiving Basin, Sluice and Sewer Manhole at the southeast corner of Reade and Elm Streets. (Highway Contract.)

Reconstruction of Receiving Basins on Third Avenue between 7th and 34th Streets. (Highway Contract.)

The contract prices for the above works amount to $29,966.75. Of this, contracts to the amount of $17,879 are being carried out in conjunction with repaving contracts, but under the direct supervision of the Engineer-in-Charge of Sewers.

Reported to the Local Board, but not yet Legally Authorized.

Construction of Storm and Sanitary Sewers in Park Terrace West from a point 100 feet south of 215th Street to 214th Street, and in 214th Street from Park Terrace West to Park Terrace East, and in Park Terrace East from 214th Street to a point 120 feet north and to a point 80 feet south.

Alteration and Improvement to Sewer in East 91st Street between Second and Third Avenues.

Alteration and Improvement to Sewer in East 90th Street between Lexington and Park Avenues.

Alteration and Improvement to Sewer in East 90th Street between Second and Third Avenues.

Alteration and Improvement to Sewer in East 70th Street from bulkhead line to a point about 75 feet westerly therefrom.

Alteration and Improvement to Sewer in West 38th Street between Sixth and Fifth Avenues.

Alteration and Improvement to Sewer in West 33rd Street between Tenth and Ninth Avenues.

Alteration and Improvement to Sewer in West 24th Street between 6th Avenue and Broadway.

Construction of Receiving Basins adjacent to the northeast corner of West 132nd Street and Lenox Avenue and the northwest corner of West 132nd Street and Fifth Avenue.

Construction of Receiving Basins adjacent to the southeast corner of East 53rd Street and Fifth Avenue and the northwest corner of East 52nd Street and Madison Avenue.

Construction of Receiving Basin on the north side of West 52nd Street between Fifth and Sixth Avenues.

Construction of Receiving Basins adjacent to the southwest corner of West 52nd Street and Sixth Avenue, and on the south side of West 52nd Street and north side of West 51st Street between Sixth and Fifth Avenues.

Consruction of Receiving Basins in West 48th Street adjacent to the southeast corner of Eighth Avenue and southwest corner of Broadway.

Construction of Receiving Basin adjacent to the southwest corner of Cherry and East Streets.

Contract Forms and Specifications Prepared.

Alteration and Improvement to Sewer in 19th Street between 6th and 7th Avenues.

Alteration and Improvement to Sewer in 38th Street between Broadway and Sixth Avenue.

Alteration and Improvement to Sewer in 111th Street from a point about 134 feet east of Second Avenue to the summit west of Second Avenue, including Relief Sewers on the east side of Second Avenue.

Storm and Sanitary Sewers in 218th Street between Seaman Avenue and Park Terrace West, and Storm Sewer in 218th Street between Park Terrace West and the summit east; Storm and Sanitary Sewers in 217th Street between Park Terrace West and the summit east; in 215th Street between Seaman Avenue and the summit east of Park Terrace West; in Seaman Avenue between 218th Street and 215th Street, and in Park Terrace West between 218th Street and a point about 100 feet south of 215th Street, together with Temporary Outlet Sewer in 218th Street between the Harlem Ship Canal and Seaman Avenue.

Storm and Sanitary Sewers in 215th Street between Indian Road and Seaman Avenue, and Temporary Combined Sewer in Indian Road between 218th and 215th Streets.

Storm and Sanitary Sewers in Seaman Avenue between 215th Street and a point 80 feet south of 215th Street.

Alteration and Improvement to Catch Basins at the northeast and northwest corners of South Street and Market Slip. (Readvertised.)

Construction of Sluice Basin at the intersection of St. Nicholas and Hillside Avenues.

Construction of Type "B" Sluice Basins adjacent to the northeast and southeast corners of Fulton and Church Streets, northeast and southeast corners of Trinity Place and Exchange Alley, northeast and southeast corners of Trinity Place and Cedar Street, northeast and southeast corners of Trinity Place and Thames Street, and the northeast corner of Trinity Place and Liberty Street.

Remodeling Receiving Basin and the Construction of Type "A" Sluice Basin at the southeast corner of 40th Street and Fifth Avenue.

Repairs to Barrel Sewer under Pier at the foot of 18th Street and East River.

Work Completed Upon Open Market Orders.

Receiving Basin at the southeast corner of 215th Street and Park Terrace East.

Receiving Basins adjacent to the northeast corner of West 191st Street and the southeast corner of West 192nd Street and Wadsworth Avenue.

Receiving Basins on the south side of West 191st Street at about the west houseline of Audubon Avenue, and on the east side of St. Nicholas Avenue at about the south houseline of West 191st Street.

Receiving Basins at the southeast corner of 161st Street and Fort Washington Avenue, the northeast corner of 160th Street and Fort Washington Avenue, and the northwest corner of 160th Street and Broadway.

Receiving Basins on the north and south sides of 156th Street, about 125 feet west of bulkhead line of the Harlem River.

Reconstruction of Receiving Basin at the southwest corner of 93rd Street and Third Avenue.

Receiving Basin at the southwest corner of 59th Street and Sixth Avenue.

Receiving Basin adjacent to the southeast corner of East 7th Street and Avenue D.

Receiving Basin adjacent to the northeast corner of Washington Place and Mercer Street.

Receiving basins adjacent to the northeast corner of Washington Place and Washington Square East and adjacent to the southwest corner of Greene Street and Waverly Place.

Receiving Basins adjacent to the northeast corner of Washington Place and Greene Street, and adjacent to the southwest corner of Mercer Street and Waverly Place.

Sluice Basin at the intersection of Hillside Avenue and St. Nicholas Avenue.

Placing fifteen (15) cubic yards of Class "C" Concrete at the sides and on top of the brick sewer under retaining wall of Riverside Drive at 115th Street.

Wash and Rock Core Borings on 46th Street between Eighth Avenue and Hudson River.

The amount earned on the above works, payable out of the Street Improvement Fund, is $5,843.63 and from Corporate Stock Funds is $345.00.

Work Completed in Conjunction with Repaving Contracts.

Sluice Basins on Avenue D between Fifth and Tenth Streets.

Receiving Basins on market site under Williamsburg Bridge.

Receiving Basins and Sewer on market site under Manhattan Bridge.

The amount earned on the above works, payable out of Corporate Stock Funds, is $6,558.75.

Works Completed by Private Parties upon Permit.

Alteration and Improvement to Sewer in 59th Street between Avenue A and First Avenue.

The amount earned on the above work was $1,502.05.

Permits Issued—For new sewer connections, 77; for old sewer connections, 64.

Cleaning and Repairing Operations—5,102 basins inspected; 17 basins examined; 2,696 basins cleaned; 238 basins relieved; 101 basins flushed; 3,872 cubic yards of dirt removed from basins; 385,899 linear feet brick sewer inspected; 8,900 linear feet brick sewer examined; 56,697 linear feet brick sewer cleaned; 725 linear feet brick sewer relieved; 6 brick sewers relieved; 1,408.5 cubic yards of dirt removed from brick sewers; 273,320 linear feet pipe sewer inspected; 3,580 linear feet of pipe sewer examined; 192,506 linear feet pipe sewer cleaned; 5,304 linear feet pipe sewer relieved; 28 pipe sewers relieved; 103 cubic yards of dirt removed from pipe sewers; 10 basins repaired; 13 basin hoods placed; 9 basin hood plates set; 11 basin covers placed; 15 basin grate bars set; 1 manhole cleaned; 337 manholes examined; 96 manhole heads set; 192 manhole covers placed; 60 manholes repaired; 3 manholes built; 13 manhole rings placed; 179 manholes relieved; 2 manholes filled in; 213 linear feet brick sewer repaired; 117 linear feet pipe sewer built; 921 cubic feet brickwork built; 138 cuts opened; 132 cuts refilled; 438 square yards of pavement relaid; 663 cubic yards of earth excavated; 600 cubic yards of earth refilled; 7,722.1 feet B. M. sheeting placed; 3,372.4 feet B. M. sheeting drawn; 27 loads of debris removed on account of repairs; 556 house connections repaired; 80 square feet of sidewalk relaid; 42 linear feet spur pipe laid; 13 culverts examined; 15 culverts repaired; 4 culverts built; 2 culverts sealed; 72 drains sealed; 675 linear feet brick sewer pointed; 133 iron bands removed; 193 iron bands placed; 60 cast iron lugs placed; 266 bolts placed on old bands; 13 chocks (new) placed; 5 double chocks (new) placed; 42 chocks fastened (old); 8 double chocks fastened (old); 85 linear feet guard timber for fence placed (new); 75 linear feet guard timber for fence fastened (old); 150 linear feet staves placed in repair.

Summary of Work Performed by Inspection Division—140,093 linear feet of brick sewer examined; 32,086 linear feet of pipe sewer examined; 2,310 linear feet of iron pipe sewer examined; 417 linear feet of culvert pipe examined; 200 linear feet of iron flume sewer examined; 9,075 linear feet of barrel sewer examined; 414 culverts examined; 38 culverts and basins examined; 4 bends examined; 144 curves examined; 2 drops in curves examined; 254 manholes examined; 135 manhole offsets examined; 3 manhole chambers examined; 2 sluice basins examined; 37 changes in size of sewers examined; 60 steam complaints examined; 80 bulkheads examined; 9 house connections examined; 100 temperatures in manholes and sewers examined; 355 basins examined; 14 road boxes examined; 4 reverse curves examined; 61 straight work on curves examined; 2 changes in size of curves examined; 1 drop in sewer examined; 13 manhole heads examined; 1 dropwell examined; 1 curve relieved; 2 manholes relieved; 3 new pumps examined; 1 curb line examined; 24,976 corporation inspections.

Complaints Received—183 water in premises; 120 manhole covers broken; 24 sewer stopped; 36 basins stopped; 4 manhole covers dangerous; 6 sewer cave-ins; 2 bad odors from basins; 10 bad odors from sewers; 5 examined sewers; 4 set manholes to grade; 4 sewers broken; 2 basin covers broken; 2 grate bars needed; 3 lost articles; 3 miscellaneous. Of the complaints, 172 were without cause for complaint as far as the sewers and appurtenances were concerned.

Refuse, Other Than Dirt, Removed.

Number of pails of sticks, rags, wire, iron rods and gas pipe from sewers 560, from basins 92; tin cans, 69; shovels, 26; pieces of iron pipe, 32; hoops, 9; boxes, 3; bed springs, 1; dead cats, 3; brooms, 5.

Bureau of Public Buildings and Offices.

The minor repairs, open market orders and check orders that are treated in regular routine manner are noted in the tabulated form at the conclusion of the report.

The larger and more important work accomplished during the quarter ending March 31, 1915, will be detailed by buildings, as follows:

MUNICIPAL BUILDING.

Since submitting the report for December 31, 1914, the Bureau of Efficiency of the Commissioners of Accounts' office has been assigned space on the twenty-fifth floor of the building. The New Central Payroll Division of the Finance Department is now occupying space in Room 508 on the fifth floor and the Charter Revision Committee and the Social Welfare Committee of the Board of Estimate and Apportionment are each located in rooms at the south end of the fifth floor.

Information Bureau—A revised directory of the City departments located in the Municipal Building has been prepared and is now in the hands of the printer. Bronze directory frames have been installed in the elevators and in the main halls on all floors. These frames are so designed that the directory cards may readily be changed. A new visible card indexing system containing the name, title, home address, office number, home and office telephone numbers of each city employee in the Municipal Building has been installed and is now in operation in the office of the building.

Telephone System—The telephone service of the City of New York is one of the large items of office expense. When the various departments first moved into the Municipal Building, each had at least one telephone switchboard. Calls between various departments located in the building passed through the New York Telephone Company's exchange and cost the City two and one-quarter cents for each call. To eliminate this expense a so-called interdepartmental switchboard was installed, which was connected by tie lines to the departmental switchboards. To further reduce the telephone cost, and as an experiment to determine the advisability of supplying telephone service for the entire Municipal Building, a six-position switchboard has been installed in the office of the building. This now furnishes telephone service to the Department of Water Supply, Gas and Electricity and the Department of Public Works. Arrangements are almost completed to take the telephone service of two other departments. To date this switchboard has apparently given satisfactory results, and I am of the opinion that an extension of this service to include all departments located in the Municipal Building would result in a large saving to the City. I would further suggest that all direct line telephones (private) now located in the Municipal Building be consolidated under one system, and, if necessary, a special switchboard be installed for this purpose.

Janitorial Service—During the year 1914 the cleaning of windows and interior glass was done under contract. The work was performed in a very satisfactory manner. On January 1, 1915, the contact expired and the work was taken over by this department. This innovation has proved much more satisfactory than the former method, as better control is obtained at a lower cost. The cost of cleaning materials used in the Municipal Building for the month of March, 1915, reached the extremely low figure of $37.84. This is the smallest sum expended in a single month for cleaning materials since the building has been in full operation. This economy has been effected largely through the comparative cost system which was inaugurated last year. By this plan the amount of material supplied to the cleaners on each floor is carefully recorded and comparisons made each month. The Janitor instructs the foreman in the proper use of the supplies, and they in turn instruct the cleaners. For cleaning purposes, the building is divided into three sections, each in charge of a foreman who is held responsible for the condition of his section and the quantity of cleaning material used. By infusing a spirit of keen competition with the cleaning force, a friendly rivalry has been provided, which in time has shown its effect both in labor performed and the amount of materal used.

Elevator Construction and Repair—The elevator shaft doors have never been in satisfactory working order since this department assumed operating control. Many of the doors do not latch properly and others do not latch at all. Although the contractors' mechanics are still at work on the doors, the situation is hazardous and should be remedied at once. As the operation and maintenance of the elevators is the greatest responsibiltiy in the building, I recommend that steps be taken to bring the dual responsibility of the Bridge Department and the Borough President's office to a close. As soon as possible the work should be placed under the control of one department in order to concentrate responsibility in case of accident.

Cost of Operation and Maintenance—The cost of operation and maintenance of the building for the first quarter of 1915 would indicate that the total for the year will be well within the budget appropriation. It is also evident that the cost will compare favorably with privately owned commercial buildings of a similar character.

Police Service—The building is patroled both night and day by watchmen. The attached diagram shows the assignment of the men.

Heat, Light and Power—Changes in the steam and water piping have been made so that the refrigerating apparatus by which the drinking water is cooled may be by-passed during the cold months. This materially reduces the expense of operation.

REPAIR AND MAINTENANCE.

Plumbing—The work in this branch has consisted of 655 jobs for which written orders were issued. A strict and careful inspection has been enforced at all times.

Electrical—The work in this branch has consisted of 700 jobs for which written orders were issued. In addition a careful inspection of meters, motors, switchboards, storage batteries, etc., has been maintained.

Carpenter and Locksmith—The work in this branch has consisted of 217 jobs. The hardware repair is constantly increasing.

Employees—The following is a list of the force employed in the Municipal Building, as of March 31, 1915: One Assistant Engineer in Charge, 1 Janitor, 1 Elevator Dispatcher, 3 Attendants, 2 Clerks, 1 Electrician, 1 Electrician's Helper, 1 Marble Setter, 1 Foreman Mechanic, 1 Chief Engineer, 3 Engineers, 1 Oiler, 5 Laborers, 6 Firemen, 45 Elevatormen, 16 Laborers, 1 Marble Setter's Helper, 1 Assistant Foreman, 2 Cleaners (Female), 121 Cleaners (Male), 2 Elevator Constructors, 4 Elevator Constructor's Helpers, 2 Telephone Operators. In addition to the squad work referred to in the above general data, the following pieces of work were performed by members of the general bureau squads. Made about a dozen carpet rugs varying in size from 5 ft. by 6 ft. to 9 ft. by 20 ft. for various offices. Cleaned and varnished about twenty large standing desks for the Finance Department. Cleaned and varnished numerous other articles of furniture throughout the building. Erected shelving in the storeroom in the Borough President's office. Repaired desks in office of the Auditor of the Finance Department. Installed sash ventilator in the office of the City Chamberlain. On open market order carpet for Rooms 2143, 2144, 2146 and 2148 was accepted and bills for same approved. Carpet for Rooms 2051, 2052, 2053 and 2054 was accepted and bills approved for same.

OTHER BUILDINGS.

City Hall—The Marriage Room, telephone office and walls around the main stairs leading from first to second floor were painted. Furniture in the Board of Estimate Chamber, including a large circular table, three small tables and 12 chairs were refinished. The oak floor of the Board of Estimate committee room was also refinished and the painting in the Board of Estimate chamber and Mayor's passage was touched up. About 80 square feet of worn marble floor slabs on the second floor were removed and replaced. A slop sink was removed from the anteroom to Alderman Dowling's office to the toilet on the first floor. The marble floor and wainscoting in Alderman Dowling's anteroom was reset, and a wash basin placed in this room. The anteroom was further finished up with coat hooks, etc. A large table in the Aldermanic Committee Room was recovered. New mortise locks were installed on the doors of the offices of Mr. Graves and Mr. Case, in the office of the President of the Board of Aldermen. A Colonial mantel was installed over the fireplace in the Art Commission's room. Electric radiators were also placed in the new quarters of the Art Commission and flush push buttons to control the lighting in this room. The flooring in the room of the Grand Army of the Republic was repaired. Call bell systems were installed in the offices of the Board of Aldermen where necessary. A new light bracket was placed over the wash basin in the reporters' toilet. Several roof leaks on the northeast corner of the roof, due to corroded copper leader buried in the wall, were repaired by an exposed new copper leader.

City Court—Safety treads were placed on the two stairways leading from the ground to the first floor. New window sashes were fitted to all windows of the basement, first, second and third floors. Numerous repairs to doors, hardware and windows were made. A call bell system was installed for Judge Le Fetra. New covers weer placed on roof tanks.

County Court—The commutator on the motor of the public elevators was turned down and all brushes refitted. New hot and cold water lines were installed leading to the second and third floor slop sinks. New linoleum was placed on the west side of Judge's bench, Part III, Trial Term. The heavy doors of the toilet (public) and telephone rooms on second floors were replaced with lighter doors and new door checks. In Trial Term, Part XIV, three interior window sashes were fitted. In Trial Term, Part VIII, the entrance to the jury box was shifted as requested by Justice Goff and a closet built under the window. All casement sashes on east side of fourth floor were repaired. In Trial Term, Part III, a folding shelf was built on the Judge's bench for the use of witnesses. In Trial Term, Part VI, the jury box and benches were repaired. In Room 106 four electric lights were installed over the County Clerk's card index file.

Hall of Records—Installed wiring and conduits for a feeder for the new house pump. Installed a motor driven house pump in power plant to increase the efficiency of the plant during times when the exhaust steam is not required for heating purposes. Installed new operating cables on Nos. 3, 5, 7, 6 elevators; also installled four new lifting cables on No. 2 elevator. Repaired defective piping of No. 3 and No. 4 engines and installed an improved type of piping. Installed a force feed cylinder lubricator on No. 2 engine. Repaired an automatic recording thermometer. On boiler No. 2 installed new tube, expanded other tubes and caulked a leaky seam. On No. 2 Watertown engine installed a new piston rod and lined up the engine by scraping and finishing cross-head guides. Repaiared a cracked partition on No. 1 elevator pump. Ordered 900 feet of fire hose. The first hose supplied was tested and rejected. New hose was then furnished by a different manufacturer. Painted Room 507 and ante-room. Stained, varnished and glazed partition for Chief Clerk O'Leary, Surrogates' Court. Replaced six wash basins and practically overhauled the plumbing throughout the building. Replaced twelve large lights of plate glass and six large slabs of marble. Commenced work on plans for the rearrangement of the Surrogates' Court Clerk's office, including equipment and construction. Completed renumbering of rooms. Installed a bulletin board in the main lobby for Sheriff's notices. Built a wood and glass partition on the fifth floor, so as to make an enclosed office for the Secretary to Judge Cohalan. Made numerous repairs to hardware on doors throughout building. Reversed light brackets in Rooms 501, 502, 506, 507, 508. Cleaned mail chutes.

Criminal Courts Building—Installed Bostwick folding iron gates to secure the passageway from the south side of the prison pen to the north side of these pens. Also installed two iron wire doors in the office of the Secretary to the District Attorney. This work was done on open market order. Extensive repairs to the Buffalo Forge engine in power plant were made in order to insure quiet running and to increase economy of operation. The operating ropes on No. 1 elevator were renewed; also the lifting ropes on No. 2 elevator were shortened. A new cut-off shaft was installed for No. 6 elevator. A new toilet bowl was placed in the fourth floor toilet; thereby doubling capacity of this toilet. Relocated the slop sink and wash basin in this toilet and replaced them with open fixtures. Placed new cold

water lines to the third and fourth floor toilets on the White Street side of the building. Painted two Grand Jury toilets, one private toilet and two public toilets in white enamel. Rebuilt the White Street entrance doors. Placed weather strips in the offices of Justices Wadhams, Malone and Mulqueen and Assistant District Attorney Dickinson. Installed a drop shelf on the Judge's Bench in the Criminal Branch of the Supreme Court for the use of witnesses. Put a new lighting system in the District Attorneys' Stenographer's Room. Altered lights in District Attorney's Bail Department. Installed new light shades in Grand Jury Room. Repaired call bell system in office of the Chief Clerk to District Attorney.

264 *Madison Street*—Laid about twenty-five square yards of linoleum. Set five new marble door saddles. Installed weather strips on doors and windows of the elevator shaft and removed window ventilators from large court room. Overhauled and put in repair the doors of the Judge's chambers; also repaired several roof leaks.

West 54th Street Court—Completed the installation of the counterbalanced stairway and fire escape ladder. Installed a cork floor covering in the passenger elevator. Made repairs to the return mains of the heating system. Drew up specifications for the installation of an automatic temperature regulator of the thermostatic type which will regulate the temperature of hot water within safe and economic limits. Repaired linoleum various parts of the building. Installed storm windows in the Clerk's office. Built shelving for supplies in the engine room and turned down commutator of the vacuum cleaning machine.

East 57th Street Court—Installed marble partition in the toilet in basement; also installed additional wire guards adjoining the prison pens on the second floor.

Harlem Court House—Repaired linoleum in the Police Court. Installed weather strips in the Civil Court. Built a stenographer's platform in Part II. of the Megistrate's Court. Repaired doors to wagon entrance on 121st Street. Relocated electric conduits over the boiler and installed new lights.

Jefferson Market Court—Installed a new cable in the tower clock. Cleaned stoppage in house sewer near its connection with the street sewer. Installed new bowl in toilet in passageway leading to prison pen.

Children's Court (New)—Commenced the installation of a hand operated ash hoist. Installed window shades on all windows; linoleum on all floors; toilet fixtures in all toilets throughout the building (toilet fixtures consisted of a towel bar racks, coat hooks and toilet paper holders), and additional window guards in the boys' and girls' lavatory and in the lobby to the detention rooms. Made the final payment on the electric elevator contract, this contract having been completed. After considerable difficulty in pushing the work, the quarter ended with 99 per cent. of the interior contract completed. A contract was let for the lighting fixtures and stock furniture and money appropriated for special furniture. Installed three prismatic canopies on the windows of the main court room to provide more natural light.

Women's Detention Court (New)—Test borings on this site have been completed and rock located averaging twenty feet below the curb. The engineers of the bureau are now studying plans and specifications for the construction of this new building.

East 32nd Street Court—Removed an unused toilet from the cellar and sealed connection to the sewer. This toilet was used in another building. Repaired wooden steps leading from first floor to the basement.

First Street and Second Avenue—Installed iron wire guards on the windows of the court room facing Second Avenue. Built new counter top in Clerk's office.

49 *Lafayette Street*—Prepared specifications for new toilets on the ninth floor; also prepared plans and specifications for new electric lighting equipment for ninth, tenth, eleventh and twelfth floors; these specifications were approved by the Department of Water Supply, Gas and Electricity. Made general repairs to two passenger and two freight elevators, which were in extremely poor operating condition when this building was turned over to us by the Sinking Fund Commission. Painted the quarters of the Health Department on the sixth floor. Prepared plans and specifications for fitting the fifth, ninth, tenth, eleventh and twelfth floors for the use of the Department of Licenses and the Municipal Civil Service Commission. Maintained electric sump pump. Made numerous small carpenter and electrical repairs for various new occupants of the building.

Municipal Asphalt Plant—Installed heating and plumbing equipment in the new tractor and trailor shed. Installed electric light equipment. Rebuilt the front wall of one heater and the rear walls of two others, using insulating bricks to prevent temperature cracks. Made wood railing for the office. The work of installing heating and plumbing equipments, lighting equipment and general construction of the tractor and trailor shed was not completed by the end of the quarter.

Bureau of Sewers—An investigation was made by the Engineers of this Bureau of the conditions and requirements for the design of a special auto-truck combining dump body with motor driven derrick and orange peel bucket for clearing catch basins and sewer manholes in the City of New York. Painted and lettered a row-boat built by Bureau of Sewers; also lettered two sign boards for the Bureau of Sewers launch.

51 *Chambers Street*—Did a number of small carpenter and electrical repairs for Supreme Court Justices. Built a double row of shelving for the Sheriff.

West 56th Street Corporation Yard—Erection of new closed shed (not completed). Installed new hangers on entrance gates.

125 *Worth Street*—Maintained electric elevator. Repaired steam piping and present electrical work. Temporarily repaired roof leaks and did carpenter and electric work for Central Testing Laboratory.

Washington Market—Finished painting of the main portion of market, excepting columns and scraped and red leaded 5,000 square feet of iron work behind the new cement wainscot of mezzanine floor. Regular inspections were made of the progress of construction of the new mazzanine floor. This work was approximately 75 per cent. completed at the end of the quarter.

West Washington Market—Finished installing new sliding doors. Repaired plaster Nos. 15-17 Thompson Avenue, and painted with Alabastine. Installed 38 lights of glass in windows throughout the market. Made extensive repairs to roofs and numerous repairs to doors throughout the market.

Jefferson Market—The painting of this market is still in progress. Portion of wall painted (facing jail). Rebuilt upper portion of coping of same. Repaired wooden floors, removed old and unused stands and repaired skylights.

Allen Street Bath—Purchased 28 new storm doors for the men's side of the bath. These doors were installed by the carpenter squad. Installed electrical recording Watt meter to record entire electric output of generator. Drew up specifications for new coal chute. Changed the vapor line connections of the feed water heater to eliminate condensation pocket which caused surges of water in heater and a waste of hot water. Painted with three coats of lead and two coats of enamel all the stall doors on the men's side of the bath. Trued up commutator and put generator in good condition. Put new top on work bench in engine room and repaired doors to women's showers.

Rivington Street Bath—General contract—Inspection and correspondence regarding items on general contract work for the construction of swimming pool; also reinspections on items that failed since previous inspection and general correspondence in connection with maintenance of work. *Heating contract.* Inspection and correspondence in connection with heating work installed for the extension covered by the general contract for the swimming pool. *Plumbing contract.* Inspection and correspondence, etc., in connection with the plumbing work done with the extension of system to cover new swimming pool. *Electric wiring contract.* Electric lighting system laid out and 90 per cent. of the wiring done for the operation of the new building. Electric light fixtures selected, designs approved, ordered installed and delivered on premises ready to be hung; 110 wooden shower doors completed and installed. New bale float installed in the chemical pot of the filter plant. Periodic inspections made of swimming pool and filtration plant to insure sanitary conditions. Installed gas piping and fixtures; also certain additional electric lights and wiring not covered by contract. Painted waiting room and stairs leading from same to the roof with three coats of paint and one coat of enamel. Installed wire screen to prevent debris being thrown into the pool from the dressing rooms. Installed a starting box for 3 H.P. alternating current motor of exhaust fan on the roof.

Carmine Street Bath—Installed electrical Watt meter to record electrical output of plant. Installed new tubes in the Wainwright water heater to replace defective ones. Installed two feed water injectors to keep boilers in operation in event of any pumps breaking down. Made repairs to piping of feed water heater. Installed four test pieces of 3-inch pipe. W. I. steel, C. I. Installed two Faraday gongs. Adjusted and calibrated two ammeters = 1 voltmeter.

Cherry and Oliver Streets Bath—Specifications made out and approved by Department of Water Supply, Gas and Electricity for more economical system of lighting to reduce the current consumption of the building. Installed three new tubes in No. 1 boiler and expanded two bottom rows of old tubes. Removed light brackets in gymnasium so that they could not be tampered with by patrons.

Rutgers Place Bath—Pipe covering installed on water lines and steam lines and a section of the heaters in the cellar. Make periodic inspections of the swimming pool and filter plant to insure sanitary condition of the pool water. Installed 3 flush tanks to replace broken ones in the second floor toilet. Installed 80 feet of concrete floor in cellar. Repaired a number of seats and doors. Installed one Faraday gong.

East 11th Street Bath—Work commenced on the installation of iron wire screens over the tops of dressing rooms on both men's and women's sides of the bath to prevent thefts. New hand operated elevator and hoisting mechanism installed in the cellar with car running to sidewalk level. Installed one boiler tube to replace leaky one. Installed new tubes in Wainwright water heater to replace defective ones. Specifications prepared for the installation of a new thermostatic temperature control on hot water generator to keep temperature of the water within safe and economic limits. Installed a 4-inch check valve on the soil line of the cellar toilet, so that wash water from the filters will not back up in the toilet. Made numerous repairs to hinges and latches to doors of various shower compartments. Put new weather strips on revolving doors. Reconstructed outside lamps.

East 23rd Street Bath—Commenced work on the installation of wire screens over the shower rooms, men's side, to prevent thefts. Additional radiators were installed in the pool rooms. Pipe covering was placed in the engine room and cellar. A new boiler tube was installed in one boiler. Granite injured by fire was repaired. Several steps leading into the pool were renewed. A periodical inspection of the swimming pool and filter plant was made.

West 28th Street Bath—This bath was completed and opened to the public on March 29th, though its official opening has not as yet taken place. It is scheduled for May 1st. Specifications for gymnasium equipment were prepared. Investigation and study of the conditions and requirements for the installation of a sterilizing equipment for the swimming pool was made. Took down and reinstalled all showers to conform with practice in other baths. Painted numbers of lockers on all shower room doors; also lettered toilet doors. Braced all seats throughout the building by installing 1¼-inch angle irons. Set on the marble 15 toilet paper holders. Painted all cement floors in building with two coats of cement filler. Final payment on heating contract authorized by the Architect. The general plumbing and electrical contracts 99.9 per cent. completed. Engineer was supplied with a tool cabinet. A portion of the furniture for the building was supplied and the remainder ordered. Funds requested for equipment of gymnasium and a laundry in the basement.

West 41st Bath—Installed a feed water heater and weigher; also made certain piping changed in the engine room, including new pipe trenches. A new electrical recording Watt meter was installed to record the entire electrical output of the bath. A new concrete floor in the engine room with two floor drains was laid down. A new tile floor in the boiler room, concrete steps from the engine room to the boiler room and 50 feet of trench with brick lining and iron covers were installed. Made numerous repairs to shower room doors. Installed new electric lights in the boiler and engine rooms.

East 54th Street Bath—Work continued on the installation of two swimming pools and the consequent changes of heating and plumbing equipment. Work of installing new ventilating fans, engines, new latches and hinges commenced but not completed. A new electric lighting system was installed to provide for the altered section of the building. Three basins and slop sinks in the gymnasium were braced by means of iron brackets secured in brick walls. Rehung a number of doors in the women's section of the bath.

West 60th Street Bath—Installed feed water heater, oil separator, steam return and all other necessary piping. A plunge sweeper was made up and tested, modified and retested. Periodical inspections of the swimming pool and filter plant were made in an effort to secure a sanitary condition of the swimming pool water. A strainer was installed in the overflow scupper. Refinished office partition, sandpapering, with one coat of varnish and rubbing. Repaired tile work of the bottom and sides of the pool. Painted floor around swimming pool and under showers. Placed a new scuttle cover on the roof.

East 76th Street Bath—New electric recording Watt meter installed on the main line to record entire electrical output of the plant.

East 109th Street Bath—Finished installation of wire guards on the main roof skylight. Prepared plans and specifications for rearrangement of the water heaters; also specifications for a new mail chute. Repaired a section of the vacuum pump; also made new connections to the feed pumps. Installed recording Watt meter and repaired several leaks on the tile roof.

Battery Park Comfort Station—Installed racks for implements. Replaced broken marble door jamb with wood and installed tool rack.

Hanover Square Comfort Station—Boiler connections renewed (automatic feeder, water-column, damper regulator, safety valve and croton). Changed sashes at foot of both stairways so that they can be opened and used for ventilation.

Mail Street Comfort Station—Painted vault light iron work in ceiling of the station with one coat of red lead and two coats of white enamel paint. Installed a time switch changing the stoppage of the fan from 1-4 A. M. to 1-6 A. M.

Chatham Square Comfort Station—Repaired the boiler grate.

Sheriff and Delancey Streets Comfort Stations—Repaired the electric exhaust fan.

Abingdon Square Comfort Station—Installed metal reflectors on electric lights in place of glass reflectors.

Greeley Square Comfort Station—Repaired leaks on the boiler return pipes.

Long Acre Square Comfort Station—Prepared plans and specifications for a ventilating equipment. Repaired a cracked boiler. Removed all old lime plaster and set new wire lath in place prior to plastering the interior of the station with Portland cement. Plastering work was commenced. A new chimney cap was installed.

Queensboro Bridge Comfort Station—Installed two hot plates for cooking purposes for Attendants. Removed all bins and signs.

Park Avenue and 125th Street Comfort Station—Repaired glass tile on women's side and reset marble trim and saddles, replacing same where broken. Also repaired about 10 square feet of 2-inch hex. tile flooring.

129th Street and Third Avenue Comfort Station—Tested the heating system and put in good condition the hot water boiler; also installed a tool rack.

General—The following completed jobs were done by various squads: Carpenter, 231; electric, 133; plumbing, 125; steamfitting, 24; varnishing and painting, 121; roofing, 44; masonry, 45; awning, 54. Total, 595. 366 requisitions and open market orders were issued; 421 check orders were issued against miscellaneous monthly orders. The patronage for the interior baths for the month of January was 378,536; in February 334,360, and in March 405,941, making a grand total for the quarter ending March 31, 1915, of 1,118,837.

The patronage for the free interior and floating baths during January, February and March was 756,389 men and 362,448 women; total, 1,118,837.

Bureau of Buildings.

Plans and Specifications for New Buildings Filed and Acted Upon.

Classification.	Estimated Cost.
Dwelling houses, estimated cost over $50,000 (2)	$220,000 00
Dwelling houses, estimated cost between $20,000 and $50,000 (1)	50,000 00
Tenement houses (40)	4,145,000 00
Hotels (3)	1,018,000 00
Stores, lofts, etc., estimated cost over $30,000 (16)	7,330,000 00
Stores, lofts, etc., estimated cost between $15,000 and $30,000 (4)	103,000 00
Stores, lofts, etc., estimated cost under $15,000 (7)	43,500 00
Office buildings (9)	2,940,000 00
Manufactories and workshops (4)	650,500 00
Schoolhouses (1)	75,000 00
Churches (2)	32,000 00
Public buildings, municipal (2)	62,000 00
Public buildings, places of amusement, etc. (1)	45,000 00
Hospitals (1)	100,000 00
Stables and garages (10)	124,075 00
Other structures (11)	8,950 00
Total, 114 new buildings	$16,947,025 00

Classification.	Estimated Cost.
Plans and Specifications for Alterations to Buildings Filed and Acted Upon.	
Dwelling houses (89)	$186,025 00
Tenement houses (172)	169,340 00
Hotels (20)	521,245 00
Stores, lofts, etc. (211)	421,866 00
Office buildings (59)	324,350 00
Manufactories and workships (76)	216,965 00
Schoolhouses (8)	26,600 00
Churches (5)	14,600 00
Public buildings, municipal (6)	11,775 00
Public buildings, places of amusement, etc. (43)	135,660 00
Stables and garages (26)	54,575 00
Total, 715 buildings	$2,083,001 00

New Buildings and Alterations to Buildings Commenced and Completed—New buildings commenced, 55; new buildings completed, 76; alterations commenced, 581; alterations completed, 671.

New Buildings and Alterations to Buildings in Progress—New buildings, 170; alterations, 488.

Total Number of Inspections with Reports—By Construction Inspectors, 33,229; by District Inspectors, 29,145; by Supervisory Inspectors, 4,589; by Special Inspectors, 990; by Plastering Inspectors, 2,923; by Plumbing and Drainage Inspectors, 14,771; by Special Plumbing and Drainage Inspectors, 630; by Iron and Steel Inspectors, 4,518; by Elevator Inspectors, 8,343; by Night Inspectors, 32; total, 99,170.

Notices Issued—To remove violations of law, 5,937; to remove unsafe buildings, 1,539; totals, 7,476.

Violations of Law, Passenger Elevators and Unsafe Buildings.

	Pending December 31, 1914.	Received Since.	Total.	Dismissed.	Pending March 31, 1915.	Forwarded for Prosecution.
No permit, defective construction, materials, etc.	2,074	1,480	3,554	1,761	1,793	29
Defective plastering	3	4	7	7	....	....
Defective plumbing and drainage	333	412	745	437	308	9
Defective passenger elevators	127	228	355	261	94	4
Unsafe buildings	563	788	1,351	711	640	....
Totals	3,100	2,912	6,012	3,177	2,835	42

Buildings Inspected and Inspections in Plumbing and Drainage.

	Tenements.	Miscellaneous.	Total.
Number of buildings under inspection December 31, 1914	362	626	988
Number of buildings commenced during the quarter	164	329	493
Number of buildings completed during the quarter	177	410	587
Number of buildings under inspection March 31, 1915	349	545	894

Apartments, stores, etc., for which certificates have been issued as to the proper installation of gas piping, 2,760; plumbing inspections of all kinds during the quarter, 15,401.

Comparative Statement, First Quarter 1914-1915.

	1914.	1915.
Applications filed for new buildings and alterations	1,261	829
Estimated cost of new buildings and alterations	$15,092,438	$19,036,026
New buildings commenced	50	55
New buildings completed	104	76
Alterations commenced	820	581
Alterations completed	839	671
Number of inspections by Elevator Inspectors	9,049	8,343
Defective passenger elevators reported by Inspectors	256	228
Defective passenger elevators made safe on notice from Bureau	294	261
Passenger elevator cases forwarded for prosecution	1	4
Unsafe buildings made safe or taken down	734	711
Violations removed	1,815	2,466
Notices issued	7,513	7,476
Inspections of plumbing and drainage	16,477	15,401

MARCUS M. MARKS, President.

DEPARTMENT OF FINANCE.

WARRANTS MADE READY FOR PAYMENT IN DEPARTMENT OF FINANCE TUESDAY, JULY 27, 1915.

Below is a statement of warrants made ready for payment on the above date, showing therein the Department of Finance voucher number, the dates of the invoices or the registered number of the contract, the date the voucher was filed in the Department of Finance, the name of the payee and the amount of the warrant.

Where two or more bills are embraced in the warrant, the dates of the earliest and latest are given, excepting that, when such payments are made under a contract, the registered number of the contract is shown in the place of the second invoice date.

Where the word "final" is shown after the name of the payee, payment will not be made until thirty days after the completion and acceptance of the work, but all of the other warrants mentioned will be forwarded through the mail unless some reason exists why payment is to be made in person, in which event written notice will be promptly given to the claimant.

In making a written or verbal inquiry at this office for any of the above mentioned warrants, it is requested that reference be made by the Department of Finance voucher number.

WILLIAM A. PRENDERGAST, Comptroller.

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
			Board of Aldermen.	
92228		7-15-15	B. Altman & Co.	$18 74
92230			M. A. Bowe	21 00
92231	6-23-15	7-15-15	I. Bergonzi	50 00
92238	6-22-15	7-15-15	H. K. Brewer & Co.	2 45
92240	6-28-15	7-15-15	Peck & Durham	92 75
92241	6-12-15	7-15-15	Boyd's City Dispatch	40 00
			Commissioner of Accounts.	
93600	7- 1-15	7-20-15	The Peerless Towel Supply Co.	15 39
93603	7- 9-15	7-20-15	Kolesch & Co.	1 29
93602	6-14-15	7-20-15	Ford Motor Company	30 12
93601			Charles Baeszler	43 87
93605	6-30-15	7-20-15	A. A. Benedict	9 25
96070		7-20-15	James McGinley, Acting Commissioner of Accounts	438 99
93599	7- 1-15	7-20-15	The Mutual Towel Supply Co.	22 05
			Armory Board.	
93941	6-13-15	7-20-15	Standard Oil Co., of New York	5 56
93942	6-22-15	7-20-15	Wm. P. Youngs & Bros.	2 50
93944	6-23-15	7-20-15	Cavanagh Bros. & Co.	2 70
93945			Stanley & Patterson	2 55
93946	5-29-15	7-20-15	Hoffman, Corr Mfg. Co.	11 73
93947	6-14-15	7-20-15	Department of Public Charities, Bureau of Disinfectants	14 75
93948	6-26-15	7-20-15	W. F. Haigh	3 00
93949	6-23-15	7-20-15	Wm. P. Youngs & Bros.	6 25
93952	6-24-15	7-20-15	Standard Oil Co., of New York	2 90
93953	6-23-15	7-20-15	Wm. P. Youngs & Bros.	3 00
93943	6-14-15	7-20-15	Cavanagh Bros. & Co.	30 00
91840	3-17-15	40792 7-14-15	John S. Conabeer	150 25
91841	2-26-15	40792 7-14-15	John S. Conabeer	168 58
91842	4-27-15	40792 7-14-15	John S. Conabeer	554 83
91843		40523	Bacon Coal Co.	290 16
91838		40919 7-14-15	H. P. Stephenson Co., Inc.	3,107 46
91837		40962	Eugene Frank	1,305 00
91839		40912 7-14-15	Yorkville Bank, Assignee of Harry Klein	319 50
91835		31946 7-14-15	Pilcher & Tachau	129 48
			Department of Bridges.	
91716		41551 7-14-15	New York Telephone Co.	158 26
91134			Lord Electric Company	40 00
94578		7-21-15	Olaf M. Kelly, Engineer in Charge	10 70
94576		7-21-15	Eugene De Salignac	7 45
94574		7-21-15	Samuel Hamburger, Assistant Engineer	7 46
94572		7-21-15	Olaf M. Kelly, Engineer in Charge	06
94577		7-21-15	J. A. Knighton, Assistant Engineer	28 85
94579		7-21-15	J. A. Knighton, Assistant Engineer	4 30
94581		7-21-15	Adrian La Forge, Assistant Engineer	1 25
94580		7-21-15	Volney P. Wilson, General Foreman	3 90
91718	6-15-15	41316 7-14-15	Standard Oil Co., of New York	426 93
94575			Archibald McLean, Assistant Engineer	33 41
94573		7-21-15	Adrian La Forge, Assistant Engineer	6 70
			Bellevue and Allied Hospitals.	
93824	5-27-15	7-20-15	Crandall Packing Co.	3 51
93813	2- 9-15	7-20-15	Lewis De Groff & Son	8 88
93178	5-27-15	7-19-15	Lehn & Fink	5 40
93180	5-24-15	7-19-15	Library Bureau	33 60
93181	6- 7-15	7-19-15	Royal-Eastern Electrical Supply Co.	7 40
93182	5- 3-15	7-19-15	Agent & Warden of Auburn Prison	55 50
93183	5-12-15	7-19-15	Keystone Roofing Mfg. Co.	32 39
93417	5- 3-15. 5-24-15	7-19-15	George Tiemann & Co.	17 20
93185	6- 2-15	7-19-15	Eugene Dietzgen Co.	1 68
93187	6-15-15	7-19-15	J. C. McCarthy & Co.	7 99
93190	6-15-15	7-19-15	Lorenzo Minei	4 95
93424	12-12-14. 5- 7-15	7-19-15	The Hospital Supply Co.	28 25
93798	4-27-15	7-20-15	Hull, Grippen & Co.	6 19
93398	6- 1-15	7-19-15	Hamilton Electric Co., Inc.	55 00
93391		7-19-15	Consolidated Dental Mfg. Co.	13 80
93390	5-25-15	7-19-15	T. J. Foley & Co.	90
93389	6- 7-15	7-19-15	Coles & Co.	17 10
93387	5-12-15	7-19-15	L. Barth & Son	2 25
93385		7-19-15	Henry Bainbridge & Co.	9 46
93384	6-16-15	7-19-15	The Manhattan Supply Co.	3 80
93187			J. C. McCarthy & Co.	7 99
93788	3- 4-15	7-20-15	D. B. Pershall & Son	16 92
93786	5-17-15	7-20-15	Johnson Service Co.	4 57
93186	6- 4-15	7-19-15	The Frank, Richard & Gardner Co.	28 68
93783	5-10-15	7-20-15	James A. Miller	48 85
93784	4- 5-15	7-20-15	B. Heller & Co.	80 71
93378	6-16-15	7-19-15	A. Goldstein & Co.	2 80
93379	6- 8-15	7-19-15	H. R. Hedrick	39 43
93377	5-26-15	7-19-15	Dr. Dadirrian & Sons Co.	2 00
93891	5-18-15	7-20-15	New York French Range Co.	10 75
93889	3-31-15	7-20-15	J. G. MacDougall Co.	4 60
93886	6-16-15	7-20-15	Wm. A. Sander	16 45
93876	5-21-15	7-20-15	James M. Shaw & Co.	84 50
93830		7-20-15	Chas. W. Brucher	60 96
93831		7-20-15	Wm. Kornahrens	41 55
93833	6- 8-15	7-20-15	Hanlon & Goodman Co.	4 92
93836		7-20-15	Department of Correction	22 90
93870	5-27-15	7-20-15	Standard Oxygen Co.	3 00
93859	6- 4-15. 6- 9-15	7-20-15	John Simmons Co.	10 21
93857		7-20-15	Waterbury Co.	1 15
93856	5-25-15. 5-27-15	7-20-15	Pfeiffer Hardware Co., Inc.	6 20
93808	5- 1-15	7-20-15	H. Hahnenfeld	32 85
93856			Pfeiffer Hardware Co., Inc.	6 20
93868	6-31-15	7-20-15	Shults' Bakery	62 14
93817	5-28-15. 6- 1-15	7-20-15	The Kny-Scheerer Co.	46 05
93827			The American Laundry Machinery Co.	27 00
93820	6-14-15. 6-17-15	7-20-15	Herman Kornahrens, Inc.	16 50
93866	5-15-15. 5-29-15	7-20-15	Star Laundry Co.	40 38
93862	5- 6-15	7-20-15	E. F. Keating Co.	23 50
93864	6- 7-15	7-20-15	Otto F. Schuster, Inc.	1 50
93815	5- 4-15	7-20-15	The Abbott Press	4 00
93837	6-25-15	7-20-15	Superior Lamp Mfg. Co.	7 00
93861	6-11-15	7-20-15	Nason Manufacturing Co.	4 83
93854	5-20-15	7-20-15	Joseph Weil	21 69
93860			Pittsburgh Plate Glass Co.	7 65
93852	5-27-15	7-20-15	C. J. Tagliabue Mfg. Co.	26 00
93853	4-29-15	7-20-15	Thomas Martin	43 20
93851	5- 8-15	7-20-15	H. K. Mulford Company	71 50
93823	5-19-15	7-20-15	Frank A. Hall & Sons	11 90
93850	6-12-15	7-20-15	Stanley & Patterson	13 14
93849	6- 1-15	7-20-15	Standard Oil Co. of New York	26 04
93848	6- 2-15	7-20-15	Wilkinson Bros. & Co.	7 50
93875	5- 1-15	7-20-15	Munson Supply Co.	3 15
93874	5-27-15	7-20-15	A. L. Miller	11 04
93872	5- 5-15	7-20-15	Montgomery & Co., Inc.	1 28
93847	5-21-15	7-20-15	James A. Miller	72 90
93818	6- 1-15	7-20-15	H. Kohnstamm & Co.	7 93
93846	6-10-15	7-20-15	The Specification Soap & Oil Company	11 92
93845	6- 5-15	7-20-15	Stabrite Mfg. Co.	40 00
83944	5-28-15	7-20-15	Merck & Co.	19 70
93843	5-22-15	7-20-15	Stanley Supply Co.	21 25
93842	5-25-15	7-20-15	The Watters Laboratories	40 00
93867	2-27-15	7-20-15	H. E. Stout Co.	1 00
89629			E. B. Meyrowitz, Inc.	174 42
			Municipal Courts.	
91878	6-11-15	7-14-15	The Banks Law Publishing Company.	$256 60
			Supreme Court, First Department.	
93103	6-21-15. 6-30-15	7-19-15	Robert E. Kelly	67 35
			Board of City Record.	
94419	6-30-15	7-21-15	Edward J. Plunkett	$4 50
			College of The City of New York.	
93901	6-14-15	7-20-15	James G. Biddle	68 36
93899	6-15-15	7-20-15	The Tension Envelope Co., Inc.	27 64
93900	6-17-15	7-20-15	Clarence S. Nathan, Inc.	28 75

Finance Voucher No.	Invoice Dates or Contract Number.		Received in Department of Finance.	Name of Payee.	Amount
				Department of Correction.	
91439	6- 9-15	42228	7-14-15	John Bellmann	$296 65
91442	6-12-15		7-14-15	P. Lawless' Sons	295 30
91440	5-31-15	42055	7-14-15	Borden's Condensed Milk Co	2,586 33
94499			7-21-15	William Peabody	60 48
92608	6-11-15		7-16-15	J. P. Duffy Company	2 56
92663	6- 2-15		7-16-15	The Bristol Company	20
94491				Katharine Bement Davis, Commissioner	243 25
94497			7-21-15	Frank N. Bowen	26 25
94498			7-21-15	John Hayes Warden	52 50
94496			7-21-15	George L. Barrus, Superintendent	81 38
94495			7-21-15	Richard L. Robinson	2 20
94494			7-21-15	Andrew L. Koch	1 40
92610	6-29-15		7-16-15	Alberene Stone Co	25 00
92609	6-18-15		7-16-15	John Simmons Co.	56
92652	6-25-15		7-16-15	Crandall Packing Co.	6 33
92642	6-26-15		7-16-15	A. C. Laurence	8 94
92644	6-24-15		7-16-15	Ogden & Wallace	4 72
92593	6-26-15		7-16-15	Annin & Co.	14 46
92614	6-17-15		7-16-15	D. B. Pershall & Son	17 51
92620	6-17-15		7-16-15	John Lucas & Co	20 63
92605	6-17-15		7-16-15	E. T. Joyce	75 00
92618	6-22-15		7-16-15	Candee, Smith & Howland Co	2 50
92619				William S. Haines & Company	39 60
92588	6- 4-15		7-16-15	Singer Sewing Machine Company	33 00
91449	6-23-15	42543	7-14-15	Ernest B. Wright	1,949 22
91448	6-16-15	42542	7-14-15	The George Josephie Co., Inc.	141 53
91447	6-24-15	42416	7-14-15	J. F. Herbert	320 00
92607	6-23-15		7-16-15	John Simmons Co.	83 37
92606	6-16-15		7-16-15	Royal-Eastern Electrical Supply Co.	9 99
				District Attorney, Queens County.	
94514			7-21-15	New York Telephone Co.	$47 79
94517			7-21-15	August J. Triebel	1 50
				District Attorney, Richmond County.	
93498	7- 1-15		7-20-15	The Banks Law Publishing Co.	$9 20
				Board of Elections.	
94451				Rothschild Realty Co.	$1,250 00
94447			7-21-15	New York Telephone Company	17 21
94448			7-21-15	New York Telephone Company	5 60
94450				Manhattan Storage and Warehouse Co.	12 00
				Board of Estimate and Apportionment.	
92891	5-27-15		6-17-15	Lithoprint Co., Inc.	$2 10
92894	6-15-15		7-17-15	Rudolph Rochow	4 40
92895	6-28-15		7-17-15	Gimbel Brothers	1 50
92883	6-30-15		7-17-15	The Tabulating Machine Co.	70 00
92885	7- 3-15		7-17-15	Silver, Burdett & Co.	80
92898				The Peerless Towel Supply Co.	4 26
92893	5-17-15		7-17-15	Commercial Copying Company	1 20
92892	6-25-15		7-17-15	Library Bureau	4 22
92888	7- 1-15		7-17-15	The Peerless Towel Supply Co.	9 12
				Department of Education.	
93072	5- 5-15		7-19-15	William F. Devine	$72 00
91570		41697		James Edgar Morris	2,914 00
94294			7-21-15	Alexander Taylor & Co.	39 55
91568		42298	7-14-15	John J. Long & Co., Inc.	630 00
91566		42295	7-14-15	M. Hahn	540 00
91375		41537		The Holden Patent Book Cover Co.	307 50
91547	5- 5-15	41183	7-14-15	E. Steiger & Co.	109 93
91497	5-14-15	39295	7-14-15	American Book Company	119 55
91403	5- 8-15	41632	7-14-15	Underwood & Underwood	672 98
91393	4-23-15	41346	7-14-15	Hammacher, Schlemmer & Co.	117 48
91555		39217	7-14-15	Blake & Williams	3,367 00
91562		41870		John J. Kenney Co.	1,064 53
91556		40830	7-14-15	Blake & Williams	4,405 50
91569		42323		The Haupt Paint and Hardware Co., Inc.	450 00
91557		40851	7-14-15	Johnson Service Company	1,489 50
91558		40831	7-14-15	Blake & Williams	3,330 00
91563		40987	7-14-15	Johnson Service Company	1,071 00
91561		41503	7-14-15	Laurence J. Rice	17,068 23
91551		39818	7-14-15	J. F. Murphy Lumber Co., assignee of Krenkel Contracting Co.	535 00
91565		42451	7-14-15	William Kreisberg	267 00
91564		41527	7-14-15	M. D. Lundin	657 00
91552		40339	7-14-15	Doncourt Construction Co., Inc.	778 00
91567		42145	7-14-15	H. Schultz	422 00
91810	5-26-15	41643	7-14-15	World Book Company	1,525 50
91548		41352	7-14-15	The Holden Paper Co. of Newburgh, assignee of the Smith Tablet Co., Inc.	308 25
91367	5-29-15	41461	7-14-15	The J. W. Pratt Co.	292 74
91295			7-14-15	The Crowell Publishing Co.	779 00
91297	5-26-15		7-14-15	The Crowell Publishing Co.	200 00
91381	5-12-15	41655	7-14-15	Row, Peterson & Co.	193 18
91337	3-12-15		7-14-15	W. R. Ostrander, assignee of Morris Levi & Co.	112 00
93075	6- 3-15		7-19-15	J. Johnson Co.	35 00
93074	6-15-15		7-19-15	A. P. Kramer	85 00
93052	6- 4-15		7-19-15	Chas. Beseler Co.	36 00
93071			7-19-15	Standard Scientific Co.	37 50
93042	5-27-15		7-19-15	New York Sand & Facing Co.	48 70
90387		41868	7-12-15	J. Friedman	2,454 30
79106		40614	6-15-15	The A. H. Andrews Co.	227 40
91360			7-14-15	B. Altman & Co.	160 00
91342	3-12-15.	4-10-15	7-14-15	James I. Newman	294 00
91341	3-10-15.	3-12-15	7-14-15	James I. Newman	502 00
91339	1-22-15		7-14-15	Wm. H. Waite	202 00
91328	5-25-15		7-14-15	The Consolidated Contracting Co., Inc.	103 00
91324	5-13-15		7-14-15	Agent & Warden of Auburn Prison	100 50
91309				S. Zacharkow	662 00
91559		34116	7-14-15	Richard Carvel Comp.	311 00
91395	6-18-15	41703	7-14-15	M. J. Tobin	387 50
91396		41703		M. J. Tobin	121 50
				Department of Finance.	
94633			7-21-15	Lena Stender	$33 21
94283			7-21-15	Manert Realty Co.	8 90
94284			7-21-15	Municipal Liens Co.	617 35
94285			7-21-15	Hendrycy & Smith	3 68
94631			7-21-15	Christian Moesinger	26 70
94630				Rosamunde Ullmann	24 06
94628			7-21-15	Anna McCormack	14 83
94626			7-21-15	Alice B. Coady	222 00
94029				A. A. Forman	30 75
94632			7-21-15	Home Title Insurance Co. of N. Y.	222 00
95042			7-24-15	E. M. Morgan, Postmaster	10 00
96194				Guaranty Trust Co. of New York	25,000 00
96232			7-26-15	The Chamberlain of The City of New York	1,000 00
91322				Lennon & Co.	108 15
94760			7-14-15	H. Valentine Wildman	350 00
94627				Benjamin B. Daniels	194 93
96482				Rudolph Francis	134 00
94637			7-21-15	Estate of Wilhelmina Blank	24 72
94636			7-21-15	William A. Rick	6 24
94635			7-21-15	Martin Schoeffel	146 15
				Fire Department.	
92722	6-10-15		7-16-15	Standard Oxygen Co.	$9 90
92719				New York Edison Co.	6 50
92718	6- 5-15		7-16-15	The Oil Marketing Co.	16 38
92717	7- 3-15		7-16-15	M. J. Rabbitt	12 48
92716				Kanouse Mountain Water Co.	3 00
92715	6- 1-15		7-16-15	Albert Ludorff	7 20
92714	6-30-15		7-16-15	Elberon Hygeia Ice Co.	8 96
92712				Powell, Elliot Auto Repair Co.	7 50
92711				Livingston Radiator & Mfg. Co.	22 00
92710	6-10-15		7-16-15	Meder, Staudt Co., Inc.	17 00
92732				Empire Rubber & Tire Co., Inc.	9 42
92704	6-21-15		7-16-15	Stromberg Motor Devices Co.	16 67
92703	6-10-15		7-16-15	Goodyear Tire & Rubber Co.	29 45
92702				United States Tire Co.	6 07
92693	6-23-15		7-10-15	Empire Rubber & Tire Co., Inc.	5 58
92727	5-25-15		7-16-15	John Wanamaker, New York	19 35
92726				F. W. Tompkins	5 50
92725	6-15-15		7-16-15	General Chemical Co.	6 52
92724	6-17-15		7-16-15	The Presto-O-Lite Co., Inc.	1 50
92723	6- 4-15		7-16-15	The Linde Air Products Co.	2 00
92701	6- 4-15		7-16-15	The White Co.	51
92699	6-12-15		7-16-15	Ford Motor Co.	1 70
92698	5-28-15		7-16-15	Cornelius Ten Eick, Inc.	4 55
92696	6- 8-15		7-16-15	Lowe Motor Supplies Co.	1 20
92695	6- 7-15		7-16-15	B. F. Goodrich Co.	36 00
92694	6-24-15		7-16-15	Buick Motor Co.	47 00
92708	6-30-15		7-16-15	Stewart Warner Speedometer Corp.	3 00
92707	6-30-15		7-16-15	Globe Tire Co.	57 52
92706	6-30-15		7-10-15	Knox Motors Associates	7 25
92705				The Gwilliam Co.	31 10
91579	5-19-15	41824	7-14-15	Globe Tire Co.	113 70
91583	6-14-15	42035	7-14-15	The Combination Rubber Mfg. Co.	134 44
91578	6- 9-15	42199	7-14-15	Burns Bros.	5,633 25
91581	6-14-15	42029	7-14-15	H. Kauffman & Sons Saddlery Co.	259 50
92731	6-24-15		7-16-15	Buick Motor Co.	56 10
91577	4-30-15	41764	7-14-15	John F. Schmadeke, Inc.	1,705 85
91584	6-15-15	42259	7-14-15	Kalt Lumber Co.	388 44
				Department of Health.	
94005			7-20-15	Marion B. McMillan, M. D., Director	2 40
94002			7-20-15	Ole Salthe, Assistant Director	1 75
93704	6-18-15		7-20-15	Abraham & Straus	6 60
95050			7-22-15	Lucius Brown, M. D., Director	91 39
93705	6-24-15		7-20-15	Red Star Sales Co.	38 06
93708	3-11-15.	6-29-15	7-20-15	Crown Stamp Works	3 55
93719	6- 4-15		7-20-15	Agent and Warden, Sing Sing	97 25
93720.	6-21-15		7-20-15	Frank A. Hall & Sons	49 00
93761	6-28-15		7-20-15	Consolidated Dental Mfg. Co.	23 40
93961	6-25-15		7-20-15	The S. S. White Dental Mfg. Co.	29 40
93996	6-15-15		7-20-15	John F. Koop	40 00
94003	6-30-15		7-20-15	Arthur R. Braunlich, M. D., Acting Director	10 66
93690	5-24-15		7-20-15	Crane's Oxygen Works and Ambulance Co.	5 00
94004	6-26-15		7-20-15	Philip A. Salomon	5 00
93689	6-30-15		7-20-15	Standard Oxygen Company	9 00
93688	6-10-15		7-20-15	Standard Oxygen Company	18 00
93694	6-28-15		7-20-15	John Bellmann	11 10
93693	6-18-15		7-20-15	George Pool & Son	1 50
93695	7- 1-15		7-20-15	S. Hubbs	2 85
93697	6-30-15		7-20-15	Disbrow Bros.	4 74
93698	6-30-15		7-20-15	Bausch & Lomb Optical Co.	22 50
93700	6-25-15		7-20-15	A. F. Brombacher & Co.	49 25
95049	6-23-15		7-22-15	Lucius Brown, M. D.	193 22
91588			7-14-15	Manhattan Produce Co., Inc.	114 30
91601	5-25-15.	6-14-15	7-14-15	Goodyear's India Rubber Selling Co.	212 50
91622	6-19-15		7-14-15	Henry Allen	111 40
91660	6-11-15		7-14-15	Wm. Zinsser & Co.	115 20
91595	6- 4-15		7-14-15	Gilbert & Barker Mfg. Co.	132 63
91636	4- 7-15		7-14-15	Atlas Window Shade Co.	260 00
91585				Brinley & Holbrook	500 00
				Commissioner of Jurors, Bronx County.	
94304			7-21-15	New York Telephone Co.	$12 69
				Commissioner of Jurors, Kings County.	
94271			7-21-15	New York Telephone Co.	14 40
				Commissioner of Jurors, Richmond County.	
94489			7-21-15	New York Telephone Co.	$10 79
				Department of Licenses.	
92113	7-12-15		7-15-15	F. Madlener Mfg. Co.	$26 00
				Law Department.	
93127	6-30-15		7-19-15	Great Bear Spring Co.	$6 00
93128	7-11-15		7-19-15	The Crescent Towel Supply Co.	1 80
91464	6- 1-15.	6-19-15	7-14-15	The Banks Law Pub. Co.	367 46
2428			7-14-15	C. N. Cronyn	182 78
				The Mayoralty.	
94609	4-30-15.	5-31-15	7-21-15	Joseph Hartigan, Commissioner	$10 64
94610			7-21-15	Katharine Haenlein	44 68
				Bronx Parkway Commission.	
93371	6-15-15		7-19-15	Siebrecht & Son	$75 00
93347	6-12-15		7-19-15	New York Sporting Goods Co.	6 00
93368	6-30-15		7-19-15	Bronxville Garage Co.	3 50
93369	7- 1-15		7-19-15	Isaac H. Smith, Register, County of Westchester	5 25
93370	6- 5-15		7-19-15	E. G. Soltmann	15 53
93362	4- 7-15.	7- 9-15	7-19-15	Joseph Hawkes	30 20
93361	5-27-15.	7- 8-15	7-19-15	Remington Typewriter Co.	4 25
93367	5- 1-15		7-19-15	L. P. O'Farrell	2 50
93346	5-20-15		7-19-15	John Meehan & Co.	3 00
				Department of Parks.	
93578	7- 2-15		7-20-15	James Mulligan	$44 00
94952			7-22-15	Edward W. Sheldon, Treasurer, The New York Public Library	2,977 39
93594			7-20-15	W. H. Terhune Co.	14 00
93590			7-20-15	Underwood Typewriter Co., Inc.	12 00
93575			6-20-15	John Boyle & Co., Inc.	27 00
93588	6- 2-15		7-20-15	W. L. & J. T. Callister	5 00
93577			7-20-15	Coldwell Lawn Mower Co.	17 82
93576			7-20-15	Coldwell Lawn Mower Co.	8 50
93571	6-23-15.	6-24-15	7-20-15	Neal & Brinker Company	21 71
93574	6-18-15		7-20-15	M. O'Neil Supply Co.	35 16
93573	6- 7-15		7-21-15	American Steel & Wire Company	30 25
93567	5-25-15.	6- 5-15	7-20-15	General Motors Truck Co.	2 60
93569			7-20-15	Ford Motor Company	1 70
93568	6-24-15		7-20-15	Whittelsey Company	2 00
94487			7-21-15	Joseph E. Savage, Chief Clerk and Auditor	95 74
93592	7-15-15		7-20-15	Gagen & Butler	7 00
93589	5- 8-15		7-20-15	The White Company	1 50
93557	7- 1-15		7-20-15	The Felix F. Daus Duplicator Co.	2 00

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
93558	6-22-15	7-20-15	Johnson & Johnson	4 80
93564	6-17-15	7-20-15	Cobb, Macey, Dohme, Inc	9 00
93561	6-20-15	7-20-15	J. M. Sherwood Co.	5 50
93565	6-23-15. 6-26-15	7-20-15	John J. Lake & Son	63 45
93563	6- 1-15	7-20-15	Barnett & Brown	66 00
93560	7- 2-15	7-20-15	The Baltimore Enamel & Novelty Co.	9 00
91245	42158	7-13-15	Louis J. Sieling	3,059 64
90732	6-11-15	7-12-15	Pierce, Butler & Pierce Mfg. Corp	307 19
			Police Department.	
94051	6-29-15	7-20-15	Henry Frank, Jr.	$31 62
93671	6-21-15	7-20-15	John Boyle & Co., Inc	10 38
93661	6-26-15	7-20-15	Peerless Towel Supply Co	66 42
93678	6-24-15	7-20-15	Bosch Magneto Co	24 71
93676	5-21-15	7-20-15	T. Cunningham Co	8 00
93674	6-28-15	7-20-15	Peters & Heins	21 00
94056	5-15-15. 5-20-15	7-20-15	S. Hughes	5 50
93673	6-23-15	7-20-15	Dean Steam Pump Co	86 00
92266	6-15-15	7-15-15	A. F. Brombacher & Co	66 29
93667	6-21-15	7-20-15	Conner, Fendler & Co	3 14
93666	6-24-15	7-20-15	Tower Mfg. & Novelty Co	6 00
93664			Economy Wiping Materials Co	7 68
93663			New York Sporting Goods Co	3 64
93658	6-28-15	7-20-15	The H. E. Smith Company	78 75
93657	6-23-15	7-20-15	Wm. Bratter & Co	41 85
93670	5-26-15	7-20-15	The Manhattan Supply Company	15 37
93672	5-15-15. 6-15-15	7-20-15	S. Hughes	13 75
91814		7-14-15	Department of Correction, Manufacturing Industry	120 36
91812	5- 8-12	7-14-15	Madison Carpet Co., Inc	104 66
91817	6-12-15	7-14-15	Rutherford Rubber Company	550 58
91819	6- 4-15	7-14-15	Gibson Iron Works Co	100 00
91821	6-17-15	7-14-15	Johnson and Johnson	210 00
91822	6-19-15	7-14-15	Pennsylvania Rubber Co. of N. Y	192 00
93317		7-19-15	Joseph H. Miller	1 50
93316		7-19-15	Emile Geisler	3 00
93659	6-11-15	7-20-15	Fred'k H. Levey Co	2 25
93656	6-21-15	7-20-15	F. W. Anderson & Co., Inc	46 00
93655	6-28-15	7-20-15	E. W. Bullinger	7 00
			President of the Borough of Manhattan.	
93636	7- 1-15	7-20-15	National Oil Company	24 45
93637	6-30-15	7-20-15	Vacuum Oil Company	29 00
93638	5-13-15	7-20-15	John Wanamaker, New York	65 50
93640	6-29-15	7-20-15	A. G. Spalding & Bros	7 50
93641	6-11-15	7-20-15	New York Stencil Works	2 05
91692	5-19-15	7-14-15	W. J. Fitzgerald	702 60
91693	5-19-15	7-14-15	W. J. Fitzgerald	618 50
91695			Joseph J. Haiduven	293 40
91801	32821	7-14-15	Uvalde Contracting Co., Assignee of the Sicilian Asphalt Paving Co	373 04
91799	42397	7-14-15	W. J. Fitzgerald	9,501 30
91698	4-30-15. 5-31-15	7-14-15	United States Wood Preserving Co	979 82
91697			United States Wood Preserving Co	890 90
91803	32057	7-14-15	Harlem Contracting Co	144 28
91798	40482	7-14-15	W. J. Fitzgerald	1,030 12
91802	25296	7-14-15	The Barber Asphalt Paving Co	1,192 65
95025		7-22-15	Henry H. Lloyd, Auditor	1,181 55
91699			The Sicilian Asphalt Paving Co	39 66
91694	6-25-15	7-14-15	W. J. Fitzgerald	851 00
91691	5-20-15	7-14-15	Eastern Paving Co	123 73
91688	6-28-15	7-14-15	Michael J. Rooney	686 19
91797	6-21-15 41563	7-14-15	John Baker, Jr	2,350 10
91796	5-31-15 41470	7-14-15	John A. McCarthy	375 00
			President of the Borough of The Bronx.	
93896	7- 9-15	7-20-15	The New York Central R. R. Co	6 00
92026			Burnside Contracting Co.	81 18
92027			United States Wood Preserving Company	68 28
92023	6-30-15	7-15-15	The Hastings Pavement Co	58 33
92018	7- 8-15	7-15-15	L. Fusfeld	1 50
92003	7-10-15	7-15-15	Fallon Law Book Company	7 00
			President of the Borough of Brooklyn.	
92742	5-22-15	7-16-15	H. A. Rogers Co.	$9 10
92740	7-15-15	7-16-15	General Motors Truck Co.	3 85
92739	7- 1-15	7-16-15	Stevenson & Marsters	19 25
92738	6-30-15	7-16-15	Ideal Ventilator Co.	7 00
92737	7- 1-15	7-16-15	Midwood Garage	8 83
92735	6- 1-15	7-16-15	Clynta Water Co	14 70
92734	6-30-15	7-16-15	Autographic Register Co	50 00
92749	7- 1-15	7-16-15	Midwood Garage	18 00
92744			James H. Brown	60 75
91931			Topeka Paving Company	121 05
91930	6- 5-15	7-14-15	Topeka Paving Company	6 90
92746	7- 1-15	7-16-15	James H. Brown	44 90
92745	7- 1-15	7-16-15	James H. Brown	41 08
92741	6-28-15. 6-29-15	7-16-15	Long Island Rubber Company	62 70
92747	6-30-15	7-16-15	Bergstrom & Bass	35 08
92736	6-30-15	7-16-15	M. B. Brown Printing & Binding Co	36 48
91937	5-11-15	7-14-15	Chas. Hvass & Co., Inc	197 50
91940		7-14-15	Seely Office Appliance Co	183 45
91949	7- 1-15	7-14-15	Union League Stables, Inc	110 00
92754	6-26-15. 6-30-15	7-16-15	Eimer & Amend	26 06
90751			Buffalo Steam Roller Co	800 00
			President of the Borough of Queens.	
94077		7-20-15	Henry A. Christe, Chief Clerk	$76 95
94078		7-20-15	Frederick L. Klee	73 35
94571		7-21-15	Mason O. Smedley, Asst. Comr. of Public Works	5 00
94074		7-20-15	William J. Casey, Chief Clerk	45 10
94073		7-20-15	John W. Moore, Superintendent	15 00
94075			William J. Murray	1 50
94071		7-20-15	James A. Dayton, Commissioner	10 03
94072		7-20-15	Fred B. George, Chief Clerk	47 48
91774	6- 2-15	7-14-15	Edward E. Buhler Co	113 00
91776	6-22-15	7-14-15	Alexander R. Boyce, Inc	144 50
91743	6- 7-15. 6-10-15	7-14-15	Long Island Railroad Company	173 13
91745	4- 5-15. 6- 3-15	7-14-15	New York & Queens Electric Light & Power Company	117 44
94076		7-20-15	John W. Moore, Supt	190 58
91763	4- 8-15. 5- 1-15	7-14-15	The Good Roads Machinery Company, Inc.	239 30
91755	7- 1-15	7-14-15	E. G. Soltmann	108 54
90659	42432	7-12-15	The Green Contracting Co	2,448 59
			President of the Borough of Richmond.	
92537	6- 5-15	7-16-15	C. P. Storberg	$46 72
92545	6-23-15	7-16-15	Gregg Brothers	8 25
92543	6-21-15	7-16-15	Mrs. J. H. Cook	4 00
92511			Schutte Brothers	7 10
92542			J. F. Devlin	11 00
92517	6- 1-15	7-16-15	Staten Island Supply Co	72
92547	5-31-15	7-16-15	Brady Brothers	9 77
92523	6-27-15	7-16-15	W. H. Johnson	30 00
92522	6-30-15	7-16-15	K. Feist	5 42
92521	7- 1-15	7-16-15	E. J. O'Connor	7 50
92540	6- 1-15	7-16-15	John Wanamaker	82 85
92508	5-31-15	7-16-15	Richmond Ice Co.	47 70
92506			The Hugh McRoberts Coal Co.; Thos. Kiernan & Son, proprietors	5 00
92524	6-10-15	7-16-15	Louis Blum	9 60
92541	6- 7-15	7-16-15	J. F. Devlin	3 00
92529	6-17-15	7-16-15	G. Gilligan	11 00
92530	6-17-15	7-16-15	G. Gilligan	13 65
92531	6-17-15	7-16-15	G. Gilligan	10 60
92509	6-24-15	7-16-15	Killian's Garage	1 65
92528	6-26-15	7-16-15	James Thompson & Sons	49 80
92516	6-29-15	7-16-15	Expanded Metal Engineering Co.	18 00
92515	6-29-15	7-16-15	The Allen Wheeler Company	33 44
92520			P. J. Brown Carriage Company	23 50
92518	5-31-15	7-16-15	W. A. Wright	29 50
92525	6-30-15	7-16-15	The New York Multicolor Copying Co.	29 71
92514	6-10-15	7-16-15	Louis Blum	86 67
92513	5-27-15	7-16-15	The Locomobile Company of America	46 20
92512	4-24-15	7-16-15	Art Metal Construction Co.	66 00
92510	6-30-15	7-16-15	James Goold	7 25
			Public Service Commission.	
94736			The Tribune Association	$8,688 93
94733			H. F. Deane	35 00
94734			Isaac J. Dukore, assignee of the New York Mortgage and Security Co.	25 00
			Department of Public Charities.	
94206		7-21-15	Henry Kelly & Sons	$30 13
94212		7-21-15	P. Lawless & Sons	2 69
94195	6- 5-15	7-21-15	F. Denner & Co.	66 16
94191	5-28-15	7-21-15	Jacob Boss	2 45
94192		7-21-15	Jacob Boss	26 26
94187	6- 3-15	7-21-15	Blackford's, Inc.	3 09
94207		7-21-15	Henry Kelly & Son	7 92
94197		7-21-15	Samuel E. Hunter	9 19
94180	6-12-15	7-21-15	B. Ackermann Co.	30 00
94184	6-22-15	7-21-15	John Bellmann	10 34
94156	5-21-15	7-21-15	Hudson Oil Company, Inc.	38 70
94175	6-14-15	7-21-15	The Charity Organization Society	2 00
94844			Angus P. Thorne, Supt.	440 00
94843		7-22-15	Angus P. Thorne, Supt.	647 00
94845		7-22-15	Angus P. Thorne, Supt.	915 00
94301		7-21-15	Alexander M. Wilson, Director	30 95
91001	37710	7-13-15	Albert Winternitz	9,720 00
2453		7-14-15	Dr. James Devlin	120 00
2454		7-14-15	Dr. Charles Lawrence Allers	120 00
			Commissioner of Records, New York County.	
92535		7-16-15	Direct Line Telephone Company	$16 00
			Sheriff, Queens County.	
93501	7- 1-15	7-20-15	Empire State Window Cleaning and Towel Supply Co.	$4 44
			Department of Street Cleaning.	
91914	5- 8-15	7- 4-15	Knickerbocker Supply Co.	$105 54
91915	2-18-15	7-14-15	P. T. Dunn	102 99
91916	6- 1-15	7- 4-15	Frank Reynolds	660 00
			Board of Water Supply.	
94279		7-21-15	Alfred D. Flinn	$79 10
94280			Walter S. Morton	8 70
94281		7-21-15	C. G. Young	11 15
93930	7- 1-15	7-20-15	Westchester Lighting Co	80
91438	37240		State Highway Construction Co	15,616 53
93924	7- 2-15	7-20-15	William Nelson	19 60
93922	7- 1-15	7-20-15	Knickerbocker Ice Co	1 56
93920	6-30-15	7-20-15	Wm. A. Geis	10 75
93921			Johnston's Garage	6 17
93919			The Fairbanks Co	7 58
93918	4-30-15	7-20-15	C. H. Du Bois & Son	10 00
93917	7- 1-15	7-20-15	M. S. Davis	3 00
93916	6-29-15	7-20-15	Crosby Steam Gage & Valve Co	10 50
93928	7- 6-15	7-20-15	John Simmons Co	1 19
93926			Shelley Bros.	22 50
93923			Knickerbocker Towel Supply Co	18 81
			Department of Water Supply, Gas and Electricity.	
94014	6-30-15	7-20-15	Nickel Towel Supply	15 36
94015	7- 9-15	7-20-15	Knickerbocker Towel Supply Co	24 04
94016	6-10-15	7-20-15	Standard Oil Co. of New York	26 25
94017	6-24-15	7-20-15	New York Lubricating Oil Co	19 24
94018	6-25-15	7-20-15	The Bristol Co	13 71
94019	6-30-15	7-20-15	Eimer & Amend	22 40
94020	4-28-15	7-20-15	National Meter Co	10 00
94023	5-18-15	7-20-15	Henry Moss & Co	24 29
94024			Henry Moss & Co	57 20
94025	7- 1-15	7-20-15	William H. Church	3 65
94026	7- 1-15	7-20-15	C. J. Dunning	10 55
94030	7- 1-15	7-20-15	W. W. Cornell	5 00
94031	6-30-15	7-20-15	Wells, Fargo & Co., Express	30
94032	4- 8-15	7-20-15	Adams Express Co	12 05
94033	5-15-15	7-20-15	Elliott, Fischer Co	6 00
94037	7- 1-15	7-20-15	B. C. Tompkins	77 50
94038	6-30-15	7-20-15	Electro-Bleaching Gas Co	62 50
94039	6-30-15	7-20-15	E. Belcher Hyde	12 00
93272	7- 1-15	7-19-15	Joseph Hock	19 00
93271	7- 1-15	7-19-15	Madison Auto Co	12 00
93270	2-27-15	7-19-15	Thomson Meter Co	45 62
93269	6-30-15	7-19-15	Thomson Meter Co	11 15
93268	5-26-15	7-19-15	Frank A. Ernst	45 66
93267	4-24-15	7-19-15	Edward Kelly	7 01
93266	4- 7-15	7-19-15	M. Efrus	3 35
93265	6-10-15	7-19-15	Joseph Beacher	11 02
93264	6-17-15	7-19-15	James F. Mahaney	4 05
93277	6- 9-15	7-19-15	Julius Mucke	23 43
93261	6- 3-15	7-19-15	Thomson Meter Co	40 65
94035	6-30-15	7-20-15	Electro Bleaching Gas Co	62 50
91681	6-30-15	7-14-15	Charles O'Hara Co., Inc	607 29
91733	4-28-15 41810	7-14-15	The Central Foundry Co	945 16

VOUCHERS RECEIVED IN DEPARTMENT OF FINANCE, TUESDAY, JULY 27, 1915.

A statement is herewith submitted of all vouchers filed in the Department of Finance on this date, in which is shown the Department of Finance voucher number, the date of the invoices or the registered number of the contract, the name of the payee and the amount of the claim. Where two or more bills are embraced in one voucher the date of the earliest is given, excepting that when such vouchers are submitted under a contract the registered number of the contract is shown instead.

WILLIAM A. PRENDERGAST, Comptroller.

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
		Board of Aldermen.	
96615	6-26-15	Christensen & Boesen	$9 50

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
96616	7- 5-15	Granite Motor Car Co.....	7 50
96601		August Behnke	150 00
96602		The North Side News	77 50
96603		The Bronx County Progressive	8 00
96604	7- 5-15	John Agonstini & Sons.....	15 00
96605	7-13-15	Mrs. Jos. F. Bopp	100 00
96606	7- 5-15	Jos. A. Hollander	12 00
96607	7- 8-15	Chesebro, Whitman Co. ...	40 00
96608	7- 2-15	J. H. Hallberg	25 00
96009		Wm. R. Dorn	50 00
96610		Geo. M. Geiszler	4 20
96611		Jos. F. Corrar	45 00
96612	7-24-15	Ernest E. Mouland	300 00
96613	7- 5-15	Brooklyn Calcium Light Co.	102 00
96614	7- 1-15	John B. Creighton	10 00
		Surrogate's Court, Bronx County.	
96483	6-30-15	N. Y. Telephone Co.....	$14 07
96484	7-10-15	The Kiesling Co.	2 20
		College of The City of New York.	
96579	42180	Chas. D. Norton Co.....	$925 87
96580	40361	P. J. Duffy	7,692 50
96581	42237	Di Menna & De Paola, Inc..	2,612 05
		Board of Elections.	
96643	7-22-15	Theo. Moss & Co.....	$18 00
96644	7-26-15	Reiners & Gabay	358 23
		Department of Education.	
96456	5-15-15	J. W. Pratt Co.....	$45 00
96457	5-18-15	S. T. Smith Co.....	24 00
96458	5-25-15	Henry Moss & Co.....	12 50
96459		American News Co.	11 16
96460	4-22-15	Hammacher, Schlemmer & Co.	6 62
96461	2- 8-15	Wm. P. Youngs & Bros.....	2 34
96462	6- 2-15	American Type Founders Co.	25 61
96463	3-15-15	Elec. Hose & Rubber Co....	8 15
96444	4- 2-15	International Time Recording Co. of New York.....	1 85
96445	5-11-15	Neostyle Envelope Co.....	8 80
96446	5-29-15	M. B. Brown Ptg. & Bdg. Co.	11 38
96447	6- 1-15	J. W. Pratt Co.....	1 75
96448	2-16-15	Henry W. Solfleisch Co.....	13 30
96449	4- 3-15	M. J. Tobin	27 00
96450	5- 6-15	Koller, Smith & Co.....	17 20
96451	4-26-15	Tower Mfg. & Nov. Co.....	8 74
96452	5-24-15	Albers Bros.	3 00
96453	5-25-15	The Ault & Wiborg Co.....	11 50
96454	6-24-15	Hugh D. McGrane	20 00
96455	5-20-15	J. B. Twombly, Agent and Warden, Clinton Prison.....	5 64
96464	12-11-14	Hippolit Pfund	22 00
96465	1-19-15	The J. W. Pratt Co.....	95 00
96479	39288	Longmans, Green & Co.....	79 21
96480	39410	Syndicate Trading Co.....	23 31
96481	39875	C. H. Reynolds & Sons.....	2,074 26
96478	40744	N. Y. Tel. Co.....	5 86
96476		Frank Sarro	21 00
96466	41756	The Brooklyn Daily Eagle..	33 75
96467	41171	Owen M. Dawson	41 33
96468	41657	Atkinson, Mentzer & Co....	10 72
96469	41647	Frank D. Beattys	78 01
96470	41645	D. Appleton & Co.....	59 71
96471	41654	The Century Co.	62 71
96472	41261	S. B. Kraus	38
96473	41633	J. L. Hammett Co.....	188 14
96474	41644	D. C. Heath & Co.....	266 61
96475	41649	Hinds, Noble & Eldredge...	368 00
96499	42340	Duncan Stewart	540 00
96500	42136	A. Silberberg	450 00
96501	42343	H. Portnof	945 00
96502	42152	The Haupt Paint & Hardware Co., Inc.	450 00
96503	42490	The Haupt Paint & Hardware Co.	450 00
96504	40342	N. Y. Const. Co.....	1,440 00
96505	40766	Harry Kleindienst	1,350 00
96485	40087	Jas. I. Newman	426 42
96486	39673	Jas. I. Newman	527 90
96487	39683	Jas. I. Newman	544 00
96488	40861	Frank Tracy	515 00
96489	40240	Jas. I. Newman	484 00
96490	42286	Wm. J. Olvany	2,340 00
96491	42745	I. Langer	450 00
96492	42291	August Wille, Jr.	1,620 00
96493	40506	Jos. D. Duffy	1,845 00
96494	42315	Finnan & Lee	2,160 00
96495	42497	Jas. Curran Mfg. Co.....	4,126 50
96496	37632	Standard Regulator Co.....	495 15
96497	42140	H. Portnof	450 00
96498	41938	H. Portnof	630 00
		Department of Finance.	
96513	7-19-15	Hebrew Sheltering Guardian Society	$12,654 24
96514	7- 2-15	N. Y. Polyclinic Medical School and Hospital.....	340 45
96515	7-17-15	N. Y. Magdalen Home, Mrs. Henry Freeland	1,459 05
96516	7-13-15	Roman Catholic House of the Good Shepherd	3,360 14
96517	7-17-15	St. Malachy's Home.....	10,377 31
96518	7-15-15	Convent of the Sisters of Mercy in Brooklyn.....	17,400 50
96519	7-17-15	N. Y. Society for the Relief of the Ruptured and Crippled	1,422 58
96520	7-12-15	Babies' Hospital of the City of N. Y.	682 10
96521	7-12-15	Babies' Hospital of the City of N. Y.	578 29
96522	7-12-15	Societe Francaise de Bienfaisance	46 25
96523	7-12-15	Societe Francaise de Bienfaisance	51 25
96508	4-24-15	Illinois Surety Co.....	62 50
96509	6-10-15	National Surety Co.....	25 55
96510		Lilly B. Scheuer	82 32
96511		Chas. W. Thorne	2,291 23
96512		Edwin B. Sheldon, Adm. Est. Wm. B. Ogden	500 00
96482		Rudolph Francis	134 00
96568		Mary E. Moulton	108 33
96569		George Lahrmann	66 00
96570		One Twenty Two Bowery Company	254 00
96571		Hieronymus Breunich	54 16
96572		St. Andrew's Realty Co.....	23 00
96573		Geo. H. Gray	2,841 02
96574		Francis S. Phraner, Exec. L. W. & T., Caroline M. Hitchcock, Deceased	673 09
96575		Clarence W. Beach	326 95
96576		John J. Mackin	2,760 00
96577		John L. Goldwater	2,975 00
96578		Max Bendit	2,940 00
96593		Turner Const. Co.....	2 95
96594		Collector of Assessments and Arrears	678 96
96595		Receiver of Taxes	16 80
96596		Fitzgibbons Boiler Co.....	2,000 00
96597		The American Society for Prevention of Cruelty to Animals	10 00
96598		Treasurer of the State of N. Y.	416 00
96599		Trustees of the Dept. Health Pension Fund	4,723 00
96600		Relief and Pension Fund of the Dept. of Street Cleaning.	3,971 91
96582		Rudolph Walach Co., Assignee of the Tax Lien Co., N. Y.	315 83
96583		Pure Oil Co.....	105 36
96584		Evan Styles Potter.....	50 00
96585		Aspinwall Judd	50 00
96586		Wm. Steinach	50 00
96587		H. Valentine Wildman.....	50 00
96588		Wm. Kelly, Father of Rose Kelly, Deceased	45 16
96589		Geo. W. Wickersham et al., Exec. L. W. & T. Mary Anna Palmer Draper, Deceased..	191 27
96590		Adolph Boskowitz	116 47
96591		W. C. Fisher	50 00
96592		Geo. Schlitz	50 00
		Fire Department.	
96657	41012	Rudolph Reimer	$213 60
96658	41765	Commercial Coal Co.....	964 55
96659	42198	Wm. Brennan	773 50
96660	42199	Burns Bros.	243 60
96661	42036	Western Electric Co.....	32 50
96662	42037	H. T. Dakin	49 66
96663	42044	Knickerbocker Supply Co...	119 85
96664	42045	Geo. T. Montgomery	71 27
96665	42046	Fredk. Pearce Co.....	992 20
96666	42038	Stehlin, Miller, Henes Co...	9 80
		Department of Health.	
96650	42220	P. Lawless Sons.....	$13 29
96651	42578	Frank J. Murray Co., Inc...	8 62
96652	42216	Hunter & Trimm Co.....	20 88
96653	42574	Armour & Co.....	12 90
96654	42222	Francis H. Leggett Co.....	11 27
		Francis H. Leggett Co.....	2 78
96655	42052	Shults Bread Co.....	12 86
96656	42577	Swift & Co.....	76 09
		Commissioner of Jurors, New York County.	
96529	6-15-15	The Banks Law Pub. Co...	$3 60
96530	6-30-15	New York Tel. Co.....	14 38
		Commissioner of Jurors, Bronx County.	
96566	7-22-15	Baker, Voorhis & Co.....	$4 00
		Law Department.	
96564		Frank L. Polk.....	$200 00
96565	6-30-15	Real Estate & Builders' Guide	8 00
		Public Administrator, Bronx County.	
96506	7-20-15	Tower Mfg. & Nov. Co.....	$18 36
96507	7-23-15	Nicholas Gless	2 00
		Department of Parks, Boroughs of Manhattan and Richmond.	
96443	41408	The Asphalt Const. Co.....	$27,651 25
		Police Department.	
96597		Arthur Woods	$4,424 92
		President of the Borough of Manhattan.	
96558		U. S. Wood Pres. Co.....	$113 87
96559	4-30-15	U. S. Wood Pres. Co.....	42 70
96560	6-30-15	U. S. Wood Pres. Co.....	27 36
96561	4-30-15	U. S. Wood Pres. Co.....	32 72
96562		Aaron Levussove et al.....	224 75
96563		Wm. A. Prendergast.....	2,203 30
		President of the Borough of Brooklyn.	
96667	42087	Topeka Paving Co.....	524 62
96668	41907	McAuliffe & Crowley.....	1,727 55
96669	41266	G. M. Mandato	2,446 48
96670	41127	Cranford Co.	2,192 77
96671	37394	John M. Fox.....	2,345 14
96672	41976	Louis Granato	1,845 67
96673	69197	Henry E. Fox Cont. Co.....	8,262 00
96680	41396	Victory Cont. Corp.....	956 80
96681	41793	N. Y. Tel. Co.....	130 33
		President, Borough of Queens.	
96645		Wm. J. Murray	$4 76
96646		Jas. A. Dayton	550 00
96647	41959	N. Y. Trap Rock Co.....	8,890 63
96648	38678	Clancy & Van Alst.....	1,320 70
96649	38666	Chas. A. Myers.....	609 31
		Department of Public Charities.	
96524		Angus P. Thorne.....	$651 00
96525		Angus P. Thorne.....	370 00
96526		Wm. B. Buck.....	30 40
96527		Wm. Alberte Whiting.....	89 65
96528		Wm. Alberte Whiting.....	17 68
96617	42221	Geo. F. Hinrichs & Co., Inc..	70 52
96618	42221	Geo. F. Hinrichs & Co., Inc.	346 99
96619	42221	A. Silz, Inc.....	26 40
96620	42221	A. Silz, Inc.....	83 00
96621	42235	The Fleischman Co.....	180 00
96622	42225	Lewis De Groff & Son.....	449 48
96623	42226	J. F. Gylsen	94 16
96624	42222	Francis G. Leggett & Co....	73 68
96625	42195	Samuel E. Hunter.....	27 80
96626	42579	Rohe & Bros.....	487 50
96627	42578	Frank J. Murray Co., Inc...	669 02
96628	42577	Swift & Co.....	6,274 68
96629	42827	Nathan Strauss	139 20
96630	42585	Sulzberger & Sons Co.....	2,252 02
96631	42054	J. D. Stout & Co.....	344 04
96632	42574	Armour & Co.....	23 64
96633	42055	Borden's Condensed Milk Co.	275 40
96634	42055	Borden's Condensed Milk Co.	4,942 78
96635	42225	John Bellmann	261 45
96636	42228	John Bellmann	35 85
96637	42053	Conron Bros. Co.....	2,783 47
96638	42053	Conron Bros. & Co.....	127 84
96639	42206	Meyer, Denker, Sinram Co.	583 62
96640	40934	Bacon Coal Co.....	510 75
96641	41432	R. W. Geldart	3,873 34
96642	41431	The Manhattan Supply Co..	314 15
		Board of Water Supply.	
96477		Town of Mt. Pleasant.....	$60,000 00
96674	41790	Herbert D. Pease & A. J. Provost, Jr.	500 00
96675	40645	N. Y. Tel. Co.....	335 14
96676	41375	H. S. Kerbaugh, Inc.....	1,530 90
96677	30240	Holbrook, Cabot & Rollins Corp., Geo. B. Fry and Thos. B. Bryson	16,795 74
96678	39064	Merritt & Chapman	4,115 28
96679	40108	Michael Staub	25,171 56
		Department of Water Supply, Gas and Electricity.	
96531	7-19-15	Edward Carroll, Jr.	$2 80
96532	7-12-15	The Bristol Co.	4 95
96533	7-17-15	Max H. Knobel	1 50
96534		D. Frank Seaman	25 56
96535		R. L. Blake, Asst. Eng.....	14 85
96536	6-30-15	George Sheridan	39 03
96537		John F. Bussing	72 18
96538		Wm. R. Birdsley	93 59
96539		Hugh F. McLaughlin	16 10
96340		Joseph Honev	9 35
96541		Joseph Honey	48 10
96542		A. H. Kirschner	77 65
96543		A. H. Kirschner	3 70
96544		Joseph Goodman	8 25
96545		Richard McGowan	63 10
96546		Long Island R. R. Co.....	12 07
96547		Jos. A. Ryan	4 10
96548		Peter Johnson	67 75
96549		Geo. H. Williams	36 87
96550		F. W. Hancock	12 85
96551		Wm. A. Horton	5 35
96552		Inc. Village of Freeport....	660 77
96553		Inc. Village of Freeport....	15 10
96554		Inc. Village of Freeport....	136 59
96555		Inc. Village of Freeport....	1787 42
96556		Inc. Village of Freeport....	1,859 18
96557		Inc. Village of Freeport....	448 49

ART COMMISSION.

Minutes of Meeting of Art Commission Held in Its Offices, Third Floor, City Hall, on Monday, July 12, 1915, at 3 o'Clock P. M.

Present—President de Forest presiding, Commissioners Healy, Breck, Crittenden and MacNeil.

On communications from the Mayor, Commissioners Rives, Mitchell, Boring and Lawrence, explaining their absences, they were excused.

Minutes of meeting of June 14th were presented and approved.

The President's report was presented stating that the following Committees had been appointed since the last meeting June 14th:

Submission 2025. Pier Shed, 30th Street, South Brooklyn; Commissioners Boring, Chairman; Healy and Breck. Appointed June 16, 1915.

Submission 2026. Pennsylvania Railroad Shed, Pier 29, N. R.; Commissioners Boring, Chairman, Healy and Breck. Appointed July 6, 1915.

Submission 2027. Public School 16, Brooklyn; Commissioners Boring, Chairman; Healy and Breck. Appointed July 7, 1915.

Submission 2028. Manhattan Trade School for Girls; Commissioners Boring, Chairman; Healy and Breck. Appointed July 7, 1915.

Submission 2029. Public School 45 Addition, The Bronx; Commissioners Boring, Chairman; Healy and Breck. Appointed July 7, 1915.

Submission 2030. Board of Health Building Sign; Commissioners Breck, Chairman; MacNeil and Crittenden. Appointed July 7, 1915.

Submission 2031. Forest Park Buildings, Queens; Commissioners Boring, Chairman; Healy and Breck. Appointed July 8, 1915.

Submission 2032. Pier Shed, West 23rd Street, N. R.; Commissioners Boring, Chairman; Healy and Breck. Appointed July 9, 1915.

Submission 2033. Garage Office, Building and Dump; Commissioners Boring, Chairman; Healy and Breck. Appointed July 9, 1915.

Submission 2034. East 19th Street Coal Pocket Alterations; Commissioners Boring, Chairman; Healy and Breck. Appointed July 12, 1915.

Submission 2035. Repair and Machine Shop, 35th Street, Brooklyn; Commissioners Boring, Chairman; Healy and Breck. Appointed July 12, 1915.

Submission 2036. Green Memorial; Commissioners MacNeil, Chairman; Boring and Crittenden. Appointed July 12, 1915.

Honorable John E. Weier, Commissioner of Parks for the Borough of Queens, and Honorable John T. Fetherston, Commissioner of Street Cleaning, appeared before the Committee preceding the meeting of the Commission with reference to Submissions 2031 and 2033 respectively.

The following resolutions were adopted in accordance with the recommendations of the respective Committees:

Submissions 2025, 2026 *and* 2032. *Pier Sheds. Certificate* 1936.

Resolved, That the Art Commission hereby approves the designs and location of a freight shed at the foot of 30th Street, South Brooklyn, for the Department of Docks and Ferries, represented by Exhibits "859-A" and "859-B" of record in this matter.

Certificate 1937.

Resolved, That the Art Commission hereby approves the designs for an extension to the freight shed on Pier 29, North River, for the Pennsylvania Railroad Company, represented by Exhibits "690-J" and "690-K" of record in this matter.

Certificate 1938.

Resolved, That the Art Commission hereby approves the designs for a pier shed at the foot of West 23rd Street, North River, for the Department of Docks and Ferries, represented by Exhibits "862-A" and "862-B" of record in this matter.

Submissions 2027, 2028 *and* 2029. *Public Schools. Certificate* 1939.

Resolved, That the Art Commission hereby approves the designs for a section of Public School 16, Brooklyn, on Wilson Street near Bedford Avenue, represented by Exhibits "855-D," "855-E," "855-F" and "855-G" of record in this matter.

Certificate 1940.

Resolved, That the Art Commission hereby approves, but as preliminary drawings only, the designs and location of the Manhattan Trade School for Girls on Lexington Avenue and East 22nd Street, Manhattan, represented by Exhibits "860-A," "860-B" and "860-C" of record in this matter.

Certificate 1941.

Resolved, That the Art Commission hereby approves, but as preliminary drawings only, the designs for an addition to Public School 45, The Bronx, represented by Exhibits "454-G," "454-H" and "454-I" of record in this matter.

Submission 2030. *Board of Health Building Sign. Certificate* 1942.

Resolved, That the Art Commission hereby approves the designs for a sign to be placed on the lamp post in from of the Board of Health Building, 139 Centre Street, represented by Exhibits "861-A" and "861-B" of record in this matter.

Submission 2031. *Forest Park Buildings, Queens. Certificate* 1943.

Resolved, That the Art Commission hereby approves the designs and location of service buildings and siding in Forest Park, Queens, represented by Exhibits "710-T," "710-U," "710-V" and "710-W" of record in this matter.

Submission 2033. *Garage Office Building and Dump. Certificate* 1944.

Resolved, That the Art Commission hereby approves the designs for a garage, office building and dump on the dock at foot of East 19th Street, Manhattan, for the Street Cleaning Department, represented by Exhibits "852-I," "852-J," "852-K," "852-L" and "852-M" of record in this matter.

Submission 2037. *Washington Arch Sculpture. Certificate* 1945.

Resolved, That the Art Commission hereby approves the designs for a group on the Washington Arch, Manhattan, represented by Exhibits "814-D" and "814-E" of record in this matter.

Commissioner MacNeil did not vote on the above submission 2037.

In the cases in which preliminary approval was given the assistant Secretary was directed to notify the proper authorities that when working drawings have been prepared, they should be submitted for final approval.

The following Committees reported progress:

Submission 2034.

East 19th Street Coal Pocket Alterations.

Submission 2035.

Repair and Machine Shop, 35th Street, Brooklyn.

Submission 2036.

Green Memorial.

Mail Box Supports.

Assay Office Facade.

Quarters and Staff.

The President presented a communication from Mr. J. A. Edgerton, Purchasing Agent of the Post Office Department, advising the Commission that the designer of letter boxes would meet with the Committee of the Art Commission at its convenience.

On motion the President appointed the following Committee for this purpose: Commissioners Healy, Breck and MacNeil, with the understanding that as many other members of the Commission as found it convenient would attend the conference.

On motion the budget for 1916 was referred to the President with power.

On motion the meeting adjourned.

J. Q. ADAMS, Assistant Secretary.

DEPARTMENT OF FINANCE.

OFFICE OF THE CHAMBERLAIN.

July 12, 1915.

As provided in chapter 729 of the Laws of 1905, as amended, there has this day been paid into the City Treasury of The City of New York the sum of $358,387.04 from the amount of mortgage tax and interest collected for the quarter ended June 30, 1915.

GEO. L. BERGEN, Deputy Chamberlain.

Mortgage Tax Account—Statement for Quarter Ended June 30th, 1915.

RECEIPTS.

New York County—		
April, 1915	$320,518 12	
May, 1915	52,064 85	
June, 1915	54,620 30	
Interest, Register of New York County	2,044 91	
		$429,248 18
Bronx County—		
April, 1915	$97,787 18	
May, 1915	16,787 04	
June, 1915	16,498 97	
Interest, Register of Bronx County	58 58	
		131,131 77
Kings County—		
April, 1915	$36,797 46	
May, 1915	37,755 75	
June, 1915	35,470 66	
Interest, Register of Kings County	108 27	
		110,132 14
Queens County—		
April, 1915	$13,434 85	
May, 1915	14,273 17	
June, 1915	12,718 70	
Interest, County Clerk of Queens County	33 54	
		40,460 26
Richmond County—		
April, 1915	$1,211 00	
May, 1915	1,415 50	
June, 1915	1,087 50	
		3,714 00
Interest on deposits, Chamberlain		2,462 74
		$717,149 09

DISBURSEMENTS.

Bank Messenger, salary, April, 1915	$125 00	
Bank Messenger, salary, May, 1915	125 00	
Bank Messenger, salary, June, 1915	125 00	
		$375 00
Balance		716,774 09
		$717,149 09

BALANCE APPORTIONED.

Treasurer of the State of New York	$358,387 05
Chamberlain of The City of New York	358,387 04
	$716,774 09

Department of Public Charities.

Report for Week Ended July 10, 1915:

Appointments—Hospital Helpers: At $240, Allen, Anna; at $180, Baron, Mary E.; at $240, Bassel, Katherine; Cahill, Margaretia; at $180, Casey, Josie. Employment Agent: At $720, Clawson, Marguerite, D. Social Investigator: At $900, Decker, Grace; Decker, Grace. Hospital Helper: At $216, Denton, Anna M. V. Painter: At $4 per diem, Deutsch, Louis. Hospital Helper: At $600, Devanie, Loretta J. Fireman: At $3 per diem, Devlin, Charles. Licensed Fireman: At $3 per diem, Dickhut, John J. Hospital Helpers: At $240, Dolan, Joseph; Dougherty, Terrence. Stenographer and Typewriter: At $750, Dower, John F. Hospital Helper: At $180, Flanagan, Henry. Stationary Engineer: At $4.50 per diem, Gallagher, Joseph (temporary, emergency). Trained Nurse: At $600, Gommer, Emma. Hospital Helper: At $240, Graf, William E. Trained Nurse: At $600, Gunn, Harriet H. Hospital Helpers: At $360, Guttman, Mary J.; at $240, Hagen, Harold S. W.; at $300, Hannon, Mary; at $240, Heaney, Ellen; at $480, Helmuth, Joseph; at $480, Hickey, George. Stationary Engineer: (Temporary), at $450 per diem, Huth, John, Jr.; Kilbourn, George M. Licensed Fireman: At $3 per diem, Knice, William. Hospital Helper: At $300, Kuhn, John. Licensed Fireman: At $3 per diem, Lane, Ralph. Hospital Helpers: At $240, Madden, Peter; Marshall, Hubert B. Stationary Engineer: At $4.50 per diem, Murphy, Henry. Trained Nurse: At $600, Murphy, Margaret. Hospital Helper: At $180, McGowan, Patrick. Telephone Operator: (Temporary), at $15 per week, Nagle, Maurice R. Hospital Helpers: At $600, Reid, Catherine; at $480, Schneider, Michael. Clerk: At $300, Schwartz, Max. Stenographer: At $600, Smith, Nora, A. L. Trained Nurse: At $600, Taylor, Blanche. Hospital Helpers: At $240, Ungar, Samuel; at $300, Wallace, Thomas.

Resignations—Trained Nurse: At $600, Albecker, Lena M. Secretary to Departmen: At $3,500, Borden, J. McKee. Hospital Helpers: At $216, Bossell, Euphemia; at $300, Buck, Charles E. Trained Nurse: At $600, Connors, Christine. Hospital Helpers: At $240, Doyle, Thos. J.; at $180, Gettler, Augusta; Graham, William; at $240, Greene, William, McCarton, James; at $360, Lorenz, Pauly; at $600, Scoby, Anna L.; at $180, Stanicks, Frank; at $240, Weeney, May M.

Dropped—Hospital Helper: At $360, Behman, Mildred. Licensed Fireman: At $3 per diem, Broderick, Thomas. Hospital Helpers: At $240, Delaney, Michael A.; Haggerty, James; at $180, Jacobsohn, Hans; at $300, Kehler, George S.; at $240, Neilson, Charles W.; at $180, Quigley, John; at $240, Schiller, Rebecca; at $300, Wallace, Thomas.

Promotions—Hospital Helpers: From $240 to $300, Gordon, Alexander; from $120 to $240, Harrison, Joseph M.; from $120 to $180, Kelly, Edward; from $480 to $600, Lawlor, Harry F.; from $120 to $180, Philips, John; from $180 to $420, Rothe, Fritz; from $180 to $240, Ryan, Thomas; from $240 to $360, Smith, Robert H.

Salary Decreased — Hospital Helper, from $240 to $180, Plattner, Leon.

J. A. CONNOLLY, JR., Acting Secretary.

Department of Street Cleaning.

Report for Week Ended June 12, 1915:

Removal of Incumbrances—On hand June 5, 1915, 352; seized during the week, 144; total, 496; redeemed, 138; released free, 2; total, 140; remaining on hand June 12, 1915, 356.

Moneys Transmitted to the City Chamberlain—For picking privilege, $725.99; for redemption of incumbrances, $169.50.

Vouchers—Transmitted to the Comptroller: Contracts, $66,651.05; open market, 1914 account, $692.14, $2,343.69, $415.50; miscellaneous, $3,700.28; $114,-216.80.

Material Collected.

	Manhattan.	Bronx.	Brooklyn.
Ashes	27,249½	2,263	10,782
Garbage	4,681½	1,292¾	3,351¼
Rubbish	5,706½	964½	4,221
	37,637½	4,520¼	18,354¼

Contracts Executed.

June 7, Brooklyn Lumber Co., 454 Hamilton Ave., Brooklyn, furnishing lumber, $2,297.48; Casualty Company of America.

June 11, Kalt Lumber Co., 312 E. 64th St., furnishing lumber, $7,701.98; E. S. Guarantee Co.

June 12, William Hamberg, Classon Point, New York, purchase and removal of manure from Stable C, Borough of The Bronx, July 1, 1915, to July 1, 1916, $2.34 per horse per year; Casualty Company of America.

J. T. FETHERSTON, Commissioner.

Report for Week Ended June 19, 1915:

Removal of Incumbrances—On hand June 12, 1915, 356; seized during the week, 12; total, 368; redeemed, 44; remaining on hand June 19, 1915, 324.

Moneys Transmitted to the City Chamberlain — For picking privilege, $725.99; for redemption of incumbrances, $226.48; for sale of horses, $266.

Vouchers Transmitted to Comptroller —Open market, 1914 account, $82.75, $8,204.85; open market, $1,175.85; bills, miscellaneous, $2,867.74; payrolls, $86,-104.87.

Material Collected.

	Manhattan.	Bronx.	Brooklyn.
Ashes	26,895½	2,249	10,482
Garbage	5,006	1,388¾	3,637½
Rubbish	5,891½	1,052	4,334½
	37,793	4,689¾	18,454

Contracts Executed.

June 14, Burke & Meagher, Varick & Montrose Aves., Brooklyn; purchase and removal of manure from Stables A, D, G, H, Brooklyn. Stable "A," $2.89½ per horse per year (from July 1, 1915); Stable D, $2.79½ per horse per year; Stable G, $2.68½ per horse per year; Stable H, $1.86 per horse per year.

June 15, Harry I. Smith & Son, Inc., 164 Lincoln Ave., Bronx; purchase and removal of manure from Stable B, Bronx, $1.52 per horse per year, beginning July 1, 1915; American Surety Company. Robert J. Wright & Sons, 105th St., East River, New York; purchase of manure from Stable A, Bronx, $1.07 per horse per year; National Surety Company.

June 16, Long Island Manure Export Co., 1151 Flushing Ave., Brooklyn; purchase of manure from Stables B, C, E, Brooklyn. Stable B, $2.56 per horse per year, beginning July 1, 1915; Stable C, $2.68 per horse per year; Stable E, $2.68 per horse per year; Massachusetts Bonding & Insurance Company.

June 17, John P. Powers, Ossining, N. Y.; furnishing wheels, hubs, hub-bands and axles, $2,756; Globe Indemnity Company.

J. T. FETHERSTON, Commissioner.

Borough of Richmond.

Bureau of Buildings.

Report for Week Ended July 10, 1915.

Plans filed for new buildings (estimated cost $36,465), 18; plans filed for alterations (estimated cost $1,410), 6; plans filed for plumbing (estimated cost, $6,278), 23; new buildings estimated, 31; alterations estimated, 12; construction inspections made, 308; iron and steel inspections made, 441; plumbing and drainage inspections made, 139; violations of law reported, 1; modifications of the law allowed as regards concrete footings under foundations, 6.

WM. J. McDERMOTT, Superintendent.

Changes in Departments, Etc

DEPARTMENT OF PARKS.

Queens.

Title Changed—John J. Kelly, 171 W. 79th St., Manhattan, from Transitman, Grade D, at $1,800, to Assistant Engineer, Grade D, July 24.

BOROUGH OF THE BRONX.

Bureau of Buildings.

Appointed — Charles A. P. Jehle, 1014 South Morris Avenue, Morris Park, Long Island, Inspector, Iron and Steel, at $1,200 per annum, July 26.

OFFICIAL DIRECTORY.

Unless otherwise stated, the Public Officer of the City are open for business from 9 a. m. to 5 p. m.; Saturday, 9 a. m. to 12 noon.

CITY OFFICES.

MAYOR'S OFFICE.

City Hall, Telephone, 8020 Cortlandt.

John Purroy Mitchel, Mayor.

Theodore Rousseau, Secretary.

Bertram de N. Cruger, Executive Secretary.

Bureau of Weights and Measures.

Municipal Building, 3rd floor. Telephone, 1498 Worth.

Joseph Hartigan, Commissioner.

COMMISSIONERS OF ACCOUNTS.

Municipal Building. Telephone, 4315 Worth.

Leonard M. Wallstein, Commissioner of Accounts.

BOARD OF ALDERMEN.

Clerk's Office, Municipal Building, 2nd floor. Telephone, 4430 Worth.

P. J. Scully, Clerk.

President of the Board of Aldermen.
City Hall. Telephone, 6770 Cortlandt.
George McAneny, President.

BOARD OF AMBULANCE SERVICE.
300 Mulberry st. Ambulance Calls—3100 Spring. Administration Offices—7586 Spring.

ARMORY BOARD.
Hall of Records. Telephone, 3900 Worth.
C. D. Rhinehart, Secretary.

ART COMMISSION.
City Hall. Telephone, 1197 Cortlandt.
John Quincy Adams, Assistant Secretary.

BOARD OF ASSESSORS.
Municipal Building, 8th floor. Telephone, 29 Worth.
Alfred P. W. Seaman, Chairman.
St. George B. Tucker, Secretary.

BELLEVUE AND ALLIED HOSPITALS.
26th st. and 1st ave. Telephone, 4400 Madison square.
Dr. John W. Brannan, President.
J. K. Paulding, Secretary.

DEPARTMENT OF BRIDGES.
Municipal Building, 18th floor. Telephone, 380 Worth.
F. J. H. Kracke, Commissioner.

BUREAU OF THE CHAMBERLAIN.
Municipal Building, 8th floor. Telephone, 4270 Worth.
Henry Bruere, Chamberlain.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.
Municipal Building, 2nd floor. Telephone, 4430 Worth.
P. J. Scully, City Clerk.

BOARD OF CITY RECORD.
Supervisor's office, Municipal Building, 8th floor. Distributing Division, 96 Reade st. Telephone, 3490 Worth.
David Ferguson, Supervisor.

DEPARTMENT OF CORRECTION.
Municipal Building, 24th floor. Telephone, 1610 Worth.
Katharine B. Davis, Commissioner.

DEPARTMENT OF DOCKS AND FERRIES.
Pier "A," N. R. Telephone, 300 Rector.
R. A. C. Smith, Commissioner.

DEPARTMENT OF EDUCATION.
Board of Education.
Park ave. and 59th st. Telephone, 5580 Plaza.
Stated meetings of the Board are held at 4 p. m. on the first Monday in February, the second Wednesday in August, and the second and fourth Wednesdays in every month, except August.
Thomas W. Churchill, President.
A Emerson Palmer, Secretary.

BOARD OF ELECTIONS.
General office and office of the Borough of Manhattan, Municipal Building, 18th floor. Telephone, 1307 Worth.
Edward F. Boyle, President.
Moses M. McKee, Secretary.
Other Borough Offices.
The Bronx.
368 E. 148th st. Telephone, 336 Melrose.
Brooklyn.
435-445 Fulton st. Telephone, 1932 Main.
Queens.
64 Jackson ave., Long Island City. Telephone, 3375 Hunters Point.
Richmond.
Borough Hall, New Brighton, S. I. Telephone, 1000 Tompkinsville.
All offices open from 9 a. m. to 4 p. m. Saturday, to 12 m.

BOARD OF ESTIMATE AND APPORTIONMENT.
Municipal Building, 13th floor. Telephone, 4560 Worth.
Joseph Haag, Secretary.
Bureau of Records and Minutes.
Municipal Building, 13th floor. Telephone, 4560 Worth. Joseph Haag, Secretary.
Office of the Chief Engineer.
Municipal Building, 13th floor. Telephone, 4560 Worth. Nelson P. Lewis, Chief Engineer.
Bureau of Public Improvements.
Municipal Building, 13th floor. Telephone, 4560 Worth. Nelson P. Lewis, Chief Engineer.
Bureau of Franchises.
Municipal Building, 13th floor. Telephone, 4563 Worth. Harry P. Nichols, Engineer.
Bureau of Contract Supervision.
Municipal Building, 13th floor. Telephone, 4560 Worth. Central Testing Laboratory, 125 Worth St. Telephone, 3088 Franklin. Tilden Adamson, Director.
Bureau of Standards.
Municipal Building, 13th floor. Telephone, 4560 Worth. George L. Tirrell, Director.
Bureau of Sewer Plan.
Municipal Building, 12th floor. Telephone, 4227 Worth. Kenneth Allen, Engineer.

BOARD OF EXAMINERS.
Municipal Building, 20th floor. 9 a. m. to 4 p. m. Saturday, to 12 m. Telephone, 3280 Worth.
Board meets every Tuesday at 2 p. m.
Edward V. Barton, Clerk.

DEPARTMENT OF FINANCE.
Municipal Building, 5th floor. Telephone, 1200 Worth. Shepard A. Morgan, Secretary to the Department, 5th floor.
William A. Prendergast, Comptroller.
Deputy Comptrollers, 7th floor. Alexander Brough, Edmund D. Fisher, Charles S. Hervey, Hubert L. Smith.
Receiver of Taxes.
Manhattan—Municipal Building, 2nd floor. Telephone, 1200 Worth.
Bronx—177th st. and Arthur ave. Telephone, 140 Tremont.
Brooklyn—236 Duffield st. Telephone, 7056 Main.
Queens—5 Court Square, Long Island City. Telephone, 3386 Hunter's Point.
Richmond—Borough Hall, St. George. Telephone, 1000 Tompkinsville.
Frederick H. E. Ebstein, Receiver of Taxes.
Collector of Assessments and Arrears.
Manhattan—Municipal Building, 3d floor. Telephone, 1200 Worth.
Bronx—177th St. and Arthur Ave. Telephone, 47 Tremont.
Brooklyn—503 Fulton st. Telephone, 8340 Main.
Queens—Municipal Building, Court Square, Long Island City. Telephone, 1553 Hunter's Point.
Richmond—Borough Hall, St. George. Telephone, 1000 Tompkinsville.
Daniel Moynahan, Collector.

FIRE DEPARTMENT.
Municipal Building, 11th floor. Telephone, 4100 Worth.
Brooklyn, 365 Jay st. Telephone, 7600 Main.
Robert Adamson, Commissioner.

DEPARTMENT OF HEALTH.
Centre and Walker sts., Manhattan. Telephone, 6280 Franklin.
Burial Permit and Contagious Disease offices always open.
Bronx, 3731 Third ave. Brooklyn, Flatbush ave., Willoughby and Fleet sts. Queens, 372 Fulton st., Jamaica. Richmond, 514 Bay st., Stapleton.
S. S. Goldwater, Commissioner.
Eugene W. Scheffer, Secretary.

BOARD OF INEBRIETY.
300 Mulberry st. Telephone, 7116 Spring.
Board meets first Wednesday in each month at 3 o'clock.
Charles Samson, Secretary.

LAW DEPARTMENT.
Office of Corporation Counsel.
Main office, Municipal Building, 16th floor. Telephone, 4600 Worth.
Frank L. Polk, Corporation Counsel.
Brooklyn office, 153 Pierrepont st. Telephone 2948 Main.
Bureau of Street Openings.
Main office, Municipal Building, 15th floor. Telephone, 1380 Worth.
Brooklyn office, 166 Montague st. Telephone, 5916 Main.
Queens office, Municipal Building, Long Island City. Telephone, 3886 Hunters Point.
Bureau for the Recovery of Penalties.
Municipal Building, 15th floor. Telephone 3460 Worth.
Bureau for the Collection of Arrears of Personal Taxes.
Municipal Building, 17th floor. Telephone, 4585 Worth.
Tenement House Bureau and Bureau of Buildings.
Municipal Building, 15th floor. Telephone, 1620 Worth.

DEPARTMENT OF LICENSES.
Main Office, 49 Lafayette st. Telephone, 4490 Franklin.
George H. Bell, Commissioner.
Brooklyn—381 Fulton Street. Telephone, 1497 Main.
Queens—Borough Hall, Long Island City. Telephone, 5400 Hunters Point.
Richmond, Borough Hall, New Brighton. Telephone, 1000 Tompkinsville.
Division of Licensed Vehicles—517-519 W. 57th st. Telephone, 6387 Columbus.
Public Employment Bureau—Men's departments, 128 Leonard st.; Women's departments, 53 Lafayette st. Telephone, 6100 Franklin.

MUNICIPAL CIVIL SERVICE COMMISSION.
Municipal Building, 14th floor. Telephone, 1580 Worth.
Henry Moskowitz, President.
Robert W. Belcher, Secretary.

MUNICIPAL REFERENCE LIBRARY.
Municipal Building, 5th floor. Telephone, 1072 Worth. 9 a. m. to 5 p. m.; Saturday, to 1 p. m.

DEPARTMENT OF PARKS.
Municipal Building, 10th Floor. Telephone, 4850 Worth.
Cabot Ward, Commissioner, Manhattan and Richmond.
Borough of Brooklyn.
Litchfield Mansion, Prospect Park, Brooklyn. Telephone, 2300 South.
Raymond V. Ingersoll, Commissioner.
Borough of The Bronx.
Zbrowski Mansion, Claremont Park. Telephone, 2640 Tremont.
Thomas W. Whittle, Commissioner.
Borough of Queens.
The Overlook, Forest Park, Richmond Hill, L. I. Telephone, 2300 Richmond Hill.
John E. Weier, Commissioner.
PARK BOARD.
Municipal Building, 10th floor. Telephone, 4850 Worth. Cabot Ward, President. Louis W. Fehr, Secretary.

BOARD OF PAROLE OF THE NEW YORK CITY REFORMATORY OF MISDEMEANANTS.
Municipal Building, 24th floor. Telephone, 1610 Worth.
Thomas R. Minnick, Secretary.

EXAMINING BOARD OF PLUMBERS.
Municipal Building, 8th floor. Telephone, 1800 Worth.
J. A. Glendinning, Clerk.

POLICE DEPARTMENT.
240 Centre st. Telephone, 3100 Spring.
Arthur Woods, Commissioner.

DEPARTMENT OF PUBLIC CHARITIES.
Principal office, Municipal Building, 10th floor. Telephone, 4440 Worth.
Brooklyn and Queens, 327 Schermerhorn st., Brooklyn. Telephone, 2977 Main.
Bureau of Dependent Adults, Pier, foot of East 26th st. Telephone, 7400 Madison Square. The Children's Bureau, 124 East 59th st. Telephone, 7400 Madison Square.
Borough of Richmond, Borough Hall, St. George, S. I. Telephone, 100 Tompkinsville.
John A. Kingsbury, Commissioner.

PUBLIC RECREATION COMMISSION.
Municipal Building, 5th floor. Telephone, 1471 Worth.
Meeting every second Tuesday at 2.30 p. m.
Cyril H. Jones, Acting Secretary.

PUBLIC SERVICE COMMISSION.
154 Nassau st., Manhattan. 8 a. m. to 11 p. m. every day, including holidays and Sundays. Telephone, 4150 Beekman.
Edward E. McCall, Chairman.
Travis H. Whitney, Secretary.

BOARD OF REVISION OF ASSESSMENTS.
Municipal Building, 7th floor. Telephone, 1200 Worth.
John Korb, jr., Chief Clerk.

COMMISSIONERS OF SINKING FUND.
Office of Secretary, Municipal Building, 7th floor. Telephone, 1200 Worth.
John Korb, jr., Secretary.

DEPARTMENT OF TAXES AND ASSESSMENTS.
Municipal Building, 9th floor. Telephone, 1800 Worth.
Lawson Purdy, President.
C. Rockland Tyng, Secretary.

DEPARTMENT OF STREET CLEANING.
Municipal Building, 12th floor. Telephone, 4240 Worth.
John T. Fetherston, Commissioner.

TENEMENT HOUSE DEPARTMENT.
Manhattan and Richmond office, Municipal Building, 19th floor. Telephone, 1526 Worth.
Brooklyn and Queens office, 503 Fulton st., Brooklyn. Telephone, 3825 Main.
Bronx office, 391 East 149th st. Telephone, 107 Melrose.
John J. Murphy, Commissioner.

BOARD OF WATER SUPPLY.
Municipal Building, 22d floor. Telephone, 3150 Worth.
Charles Strauss, President.
W. Bruce Cobb, Secretary.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.
Municipal Building, 23d, 24th and 25th floors.
Telephones: Manhattan, 4320 Worth; Brooklyn, 3980 Main; Queens, 3441 Hunters Point; Richmond, 840 Tompkinsville; Bronx, 3400 Tremont.
Brooklyn, Municipal Building, Brooklyn. Bronx, Tremont and Arthur aves. Queens, Municipal Building, Long Island City. Richmond, Municipal Building, St. George.
William Williams, Commissioner

BOROUGH OFFICES.

BOROUGH OF THE BRONX.
President's office, 3d ave. and 177th st. Telephone, 2680 Tremont.
Douglas Mathewson, President.

BOROUGH OF BROOKLYN.
President's office, Borough Hall. Telephone, 3960 Main.
Lewis H. Pounds, President.

BOROUGH OF MANHATTAN.
President's office, 20th floor, Municipal Bldg.
Commissioner of Public Works, 21st floor, Municipal Building.
Assistant Commissioner of Public Works, 21st floor, Municipal Building.
Bureau of Highways, 21st floor, Municipal Building.
Bureau of Public Buildings and Offices, 20th floor, Municipal Building.
Bureau of Sewers, 21st floor, Municipal Bldg.
Bureau of Buildings, 20th floor, Municipal Building.
Telephone, 4227 Worth.
Marcus M. Marks, President.

BOROUGH OF QUEENS.
President's office, Borough Hall, Long Island City. Telephone, 5400 Hunters Point.
Bureau of Public Buildings and Offices, Town Hall, Flushing, L. I. Telephone, 1740 Flushing.
Maurice E. Connolly, President.

BOROUGH OF RICHMOND.
President's office, New Brighton, Staten Island. Telephone, 1000 Tompkinsville.
———, President.

CORONERS.
Manhatan, Municipal Building—Second Floor. Open at all hours of the day and night. Telephone, Worth 3711.
Bronx—Arthur and Tremont aves. Telephone, 1250 Tremont. 8 a. m. to midnight, every day.
Brooklyn, 236 Duffield st. Telephone, 4004 Main. Open at all hours of the day and night.
Queens, Town Hall, Jamaica, L. I, 9 a. m. to 10 p. m.; Sundays and holidays, 9 a. m. to 12 m.
Richmond, 175 Second st., New Brighton. Open at all hours of the day and night.

COUNTY OFFICES.

Unless otherwise stated, the County offices are open for business from 9 a. m. to 4 p. m.; Saturday, 9 a. m. to 12 noon.

NEW YORK COUNTY.

COUNTY CLERK.
County Court House. Telephone, 5388 Cortlandt.
Wm. F. Schneider, County Clerk.
9 a. m. to 2 p. m. during July and August.

DISTRICT ATTORNEY.
Criminal Courts Building, 9 a. m. to 5.15 p. m.; Saturdays, to 12 m. Telephone, 2304 Franklin.
Charles Albert Perkins, District Attorney.

COMMISSIONER OF JURORS.
280 Broadway. Telephone, 241 Worth.
Thomas Allison, Commissioner.

PUBLIC ADMINISTRATOR.
119 Nassau st. Telephone, 6376 Cortlandt.
William M. Hoes, Public Administrator.

COMMISSIONER OF RECORDS.
Hall of Records. Telephone, 3900 Worth.
John F. Cowan, Commissioner.

REGISTER.
Hall of Records. Telephone, 3900 Worth.
9 a. m. to 2 p. m. during July and August.
John J. Hopper, Register.

SHERIFF.
51 Chambers st. Telephone, 4300 Worth.
New York County Jail, 70 Ludlow st.
Max S. Grifenhagen, Sheriff.

SURROGATES.
Hall of Records. Telephone, 3900 Worth.
John P. Cohalan; Robert Ludlow Fowler, Surrogates.
William Ray De Lano, Chief Clerk.
John F. Curry, Commissioner of Records.

KINGS COUNTY.

COUNTY CLERK.
Hall of Records, Brooklyn. Telephone, 4930 Main.
Charles S. Devoy, County Clerk.

COUNTY COURT.
County Court House, Brooklyn. 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.; Saturday, to 12 m. Telephone, 4154 Main.
John T. Rafferty, Chief Clerk.

DISTRICT ATTORNEY.
66 Court st., Brooklyn, 9 a. m. to 5.30 p. m.; Saturday, to 1 p. m. Telephone, 2954 Main.
James C. Cropsey, District Attorney.

COMMISSIONER OF JURORS.
381 Fulton st., Brooklyn. Telephone, 1454 Main.
Jacob Brenner, Commissioner.

PUBLIC ADMINISTRATOR.
44 Court st., Brooklyn. Telephone, 2840 Main.
Frank V. Kelly, Public Administrator.

COMMISSIONER OF RECORDS.
Hall of Records, Brooklyn. Telephone, 6988 Main.
Edmund O'Connor, Commissioner.

REGISTER.
Hall of Records, Brooklyn. Telephone, 2830 Main.
Edward T. O'Loughlin, Register.

SHERIFF.
46-50 Court st., Brooklyn. Telephone, 6845 Main.
Lewis M. Swasey, Sheriff.

SURROGATE.
Hall of Records, Brooklyn. Court opens at 10 a. m. Telephone, 3954 Main.
Hebert T. Ketcham, Surrogate.
John H. McCooey, Chief Clerk.

BRONX COUNTY.

COUNTY CLERK.
161st st. and 3d ave. Telephone, 9266 Melrose.
James Vincent Ganly, County Clerk.

COUNTY JUDGE.
161st st. and 3d ave. Telephone, 7907 Melrose.
Louis D. Gibbs, County Judge.

DISTRICT ATTORNEY.
161st st. and 3d ave. Telephone, 9200 Melrose
Francis Martin, District Attorney.

COMMISSIONER OF JURORS.
1932 Arthur ave. Telephone, 3700 Tremont.
John A. Mason, Commissioner.

PUBLIC ADMINISTRATOR.
2808 3d ave. Telephone, 9816 Melrose, 9 a. m. to 5 p. m., Saturday to 12 m.
Ernest E. L. Hammer, Public Administrator.

REGISTER.
1932 Arthur ave. Telephone, 6694 Tremont.
Edward Polak, Register.

SHERIFF.
1932 Arthur ave. Telephone, 6600 Tremont.
James F. O'Brien, Sheriff.

SURROGATE.
161st st. and 3 ave.
George M. S. Schulz, Surrogate.

QUEENS COUNTY.

COUNTY CLERK.
364 Fulton st., Jamaica. Telephone, 151 Jamaica.
Leonard Ruoff, County Clerk.

COUNTY COURT.
County Court House, Long Island City. Telephone, 596 Hunters Point.
Court opens at 10 a. m. Trial Terms begin first Monday of each month, except July, August and September, and on Friday of each week.
Clerk's office opens 9 a. m. to 5 p. m.; Saturdays to 12.30 p. m. Telephone, 551 Jamaica.
Burt Jay Humphrey, County Judge.

DISTRICT ATTORNEY.
County Court House, Long Island City, 9 a. m. to 5 p. m.; Saturday, to 12 m.
County Judge's office always open at 336 Fulton st., Jamaica. Telephone, 3871 Hunters Point.
Denis O'Leary, District Attorney.

COMMISSIONER OF JURORS.
County Court House, Long Island City. Telephone, 963 Hunters Point.
Thorndyke C. McKennee, Commissioner.

PUBLIC ADMINISTRATOR.
302 Fulton st., Jamaica. Telephone, 223 Jamaica.
Randolph White, Public Administrator.

SHERIFF.
County Court House, Long Island City. Telephone, 3766 Hunters Point.
George Emener, Sheriff.

SURROGATE.
364 Fulton st., Jamaica. Telephone, 397 Jamaica.
Daniel Noble, Surrogate.

RICHMOND COUNTY.

COUNTY CLERK.
County Office Building, Richmond. Telephone, 28 New Dorp.
C. Livingston Bostwick, County Clerk.

COUNTY JUDGE AND SURROGATE.
Trial Terms, with Grand and Trial Jury, second Monday of March, first Monday of October.
Trial Terms, with Trial Jury only, first Monday of May, first Monday of December.
Special Terms, Without Jury—Wednesday of each week, except the last week of July, the month of August and the first week of September.
Surrogate's Court.
Monday and Tuesday of each week at the Borough Hall, St. George, and on Wednesday at the Surrogate's Court, at Richmond, except during the session of the County Court. There will be no Surrogate's Court during the month of August.
Surrogate's Court and Office, Richmond, S. I.
Surrogate's Chambers, Borough Hall, St. George.
J. Harry Tiernan, County Judge and Surrogate.

DISTRICT ATTORNEY.
Borough Hall, St. George. Telephone, 50 Tompkinsville. 9 a. m. to 5 p. m.; Saturday, to 12 m.
Albert C. Fach, District Attorney.

COMMISSIONER OF JURORS.
Village Hall, Stapleton. Telephone, 81 Tompkinsville.
Edward I. Miller, Commissioner.

PUBLIC ADMINISTRATOR.
Port Richmond. Telephone 704 West Brighton.
William T. Holt, Public Administrator.

SHERIFF.
County Court House, Richmond. Telephone, 120 New Dorp.
Joseph F. O'Grady, Sheriff.

THE COURTS.

CITY COURT OF THE CITY OF NEW YORK.
City Hall Park. Special Term Chambers held from 10 a. m. to 4 p. m. Clerk's office open from 9 a. m. to 4 p. m. Telephone, 122 Cortlandt.
Thomas F. Smith, Clerk.

CITY MAGISTRATES' COURT.
First Division.
William McAdoo, Chief City Magistrate, 300 Mulberry st. Telephone, 6213 Spring.
First District—Criminal Court Buildings.
Second District—125 Sixth ave.
Third District—2d ave. and 1st st.
Fourth District—151 E. 57th st.
Fifth District—121st st. and Sylvan place.
Sixth District—162d st. and Washington ave.
Seventh District—314 W. 54th st.
Eighth District—1014 E. 181st st., The Bronx.
Ninth District (Night Court for Females)—125 6th ave.
Tenth District (Night Court for Males)—151 E. 57th st.
Eleventh District (Domestic Relations)—151 E. 57th st.
Thirteenth District (Domestic Relations)—1014 E. 181st st., The Bronx.
Office of the Chief Probation Officer, 300 Mulberry st. Telephone, 8713 Spring.
Second Division.
Borough of Brooklyn.
Office of Chief Magistrate, 14 Court st. Telephone, 7411 Main.
First District—318 Adams st.
Second District—Court and Butler sts.
Fifth District—249 Manhattan ave.
Sixth District—495 Gates ave.
Seventh District—31 Snider ave., Flatbush.
Eighth District—W. 8th st., Coney Island.
Ninth District—5th ave. and 29th st.
Tenth District—133 New Jersey ave.
Domestic Relations—Myrtle and Vanderbilt aves.
William F. Delaney, Chief Clerk.
Borough of Queens.
First District—St. Mary's Lyceum, L. I. City.
Second District—Town Hall, Flushing, L. I.
Third District—Central ave., Far Rockaway.
Fourth District—Town Hall, Jamaica, L. I.
Borough of Richmond.
First District—Lafayette ave., New Brighton.
Second District—Village Hall, Stapleton.
All courts open daily from 9 a. m. to 4 p. m. except on Saturdays, Sundays and legal holidays, when only morning sessions are held.

COURT OF GENERAL SESSIONS.
Criminal Court Building. Court opens at 10.30 a. m. Clerk's office open from 9 a. m. to 4 p. m., and on Saturdays until 12 m.
Edward R. Carroll, Clerk.

MUNICIPAL COURTS.
The Clerks' offices are open from 9 a. m. to 4 p. m.; Saturday, to 12 noon.
Borough of Manhattan.
First District—54-60 Lafayette st. Additional Part is held at southwest corner of 6th ave. and 10th st. Telephone, 6030 Franklin.
Second District—264-266 Madison st. Telephone, 4300 Orchard.
Third District—314 W. 54th st. Telephone, 5450 Columbus.
Fourth District—Parts I and II, 207 E. 32d st. Telephone, 4358 Murray Hill.
Fifth District—Broadway and 96th st. Telephone, 4006 Riverside.
Sixth District—155 E. 88th st.
Seventh District—70 Manhattan st.
Eighth District—121st st. and Sylvan place. Telephone, 3950 Harlem.
Ninth District—Madison ave .and 59th st. Parts I and II. Telephone, 3873 Plaza.
Borough of The Bronx.
First District—Town Hall, 1400 Williamsbridge road, Westchester. Trial of causes, Tuesday and Friday of each week. Telephone, 457 Westchester.
Second District—Washington ave. and 162d st. Telephone, 3043 Melrose.
Borough of Brooklyn.
First District—State and Court sts. Parts I and II. Telephone, 7091 Main.
Second District—495 Gates ave. Telephone, 504 Bedford.
Third District—6 Lee ave. Telephone, 955 Williamsburg.
Fourth District—14 Howard ave.
Fifth District—5220 Third ave. Telephone, 3907 Sunset.
Sixth District—236 Duffield st. Telephone, 6166 Main.
Seventh District—31 Pennsylvania ave. 8.45 a. m. to 4 p. m.; Saturday, 9 a. m. to 12 m. Telephone, 904 East New York.
Borough of Queens.
First District—115 5th st., Long Island City. Telephone, 1420 Hunters Point.

Second District—Broadway and Court st., Elmhurst. Telephone, 87 Newtown.
Third District—1908 Myrtle ave., Glendale. Telephone, 2352 Bushwick.
Fourth District—Town Hall, Jamaica. Telephone, 1654 Jamaica.

Borough of Richmond.

First District—Lafayette ave. and 2d st., New Brighton. Clerk's office open from 8.45 a. m. to 4 p. m. Telephone, 503 Tompkinsville.
Second District—Former Edgewater Village Hall, Stapleton. Clerk's office open from 8.45 a. m. to 4 p. m. Telephone, 313 Tompkinsville.

COURT OF SPECIAL SESSIONS.

Court opens at 10 a. m.
Part I, Criminal Court Building, Manhattan. Telephone, 3983 Franklin.
Part II, 171 Atlantic ave., Brooklyn. Telephone, Main 4280.
Part III, Town Hall, Jamaica. Held on Tuesday of each week. Telephone, 2620 Jamaica.
Part IV, Borough Hall, St. George. Held on Wednesday of each week. Telephone, 324 Tompkinsville.
Part V, 161st st. and 3d ave., Bronx. Held on Thursday of each week. Telephone, 9088 Melrose.
Frank W. Smith, Chief Clerk.

Children's Court.

New York County—66 3d ave. Telephone, 1832 Stuyvesant.
Dennis A. Lambert, Clerk.
Bronx County—355 E. 137th st. Court held on Wednesday and Friday of each week. Telephone, 9092 Melrose.
Michael Murray, Clerk.
Kings County—102 Court st. Telephone, 627 Main.
Joseph W. Duffy, Clerk.
Queens County—19 Flushing ave., Jamaica. Court held on Monday and Thursday of each week. Telephone, 2624 Jamaica.
Sydney Ollendorf, Clerk.
Richmond County — Corn Exchange Bank Building. St. George. Court held on Tuesday of each week. Telephone, 324 Tompkinsville.
William J. Browne, Clerk.

SUPREME COURT—APPELLATE DIVISION.

First Judicial Department.

Madison ave., corner 25th st. 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. Telephone, 3840 Madison Square.
Alfred Wagstaff, Clerk.

Second Judicial Department.

Borough Hall, Brooklyn. Court meets from 2 p. m. to 5 p. m., excepting that on Fridays Court opens at 10 oclock a. m. Clerk's office open 9 a. m. Telephone, 1392 Main.
John B. Byrne, Clerk.

SUPREME COURT—APPELLATE TERM.

503 Fulton st., Brooklyn. Court meets 10 a. m. Clerk's office opens 9 a. m. Telephone, 7452 Main.
Joseph H. DeBragga, Clerk.

SUPREME COURT—CRIMINAL DIVISION.

Criminal Court Building. Court opens at 10.30 a. m. Clerk's office open from 9 a. m. to 4 p. m.; Saturday, to 12 m. Telephone, 6064 Franklin.
William Schneider, Clerk.

SUPREME COURT—FIRST DEPARTMENT.

County Court House. Court open from 10.15 a. m. to 4 p. m. Telephone, 4580 Cortlandt.

SUPREME COURT—SECOND DEPARTMENT.

Kings County.

Joralemon and Fulton sts., Brooklyn. Clerk's office hours, 9 a. m. to 5 p. m. Seven jury trial parts. Special Term for trials. Special Term for motions. Special Term (ex-parte business). Court opens at 10 a. m. Naturalization Bureau, Hall of Records, Brooklyn. Telephone, 5460 Main.
James F. McGee, General Clerk.

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 the first two weeks in September, in Part 1. Trial Term, Part 2, February, April, June, last two weeks in September, and November. Special Term for Trials, January, April, June and October.
Clerk's Office open 9 A. M. to 5 P. M. Saturdays until 12 M. from Oct. to June. July, August and September until 2 p. m. Telephone, 3896 Hunter's Point.
Thomas B. Seaman, Special Deputy Clerk in Charge.

Richmond County.

Trial Term held at County Court House, Richmond. Special Term for trials held at Court room, Borough Hall, St. George. Special Term for motions held at Court House, Borough Hall, St. George.
C. Livingston Bostwick, Clerk.

DEPARTMENT OF EDUCATION.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the office of the Department of Education, Park Avenue and 59th Street, Manhattan, until three o'clock P. M., on

MONDAY, AUGUST 9, 1915,
Borough of Manhattan.

NO. 4:—FOR ITEM 1, ALTERATIONS TO FORM OPEN-AIR CLASSROOMS, AND ITEMS 2 AND 3, EQUIPMENT FOR OPEN-AIR CLASSROOMS, FOR VARIOUS SCHOOLS IN THE BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be 30 Working Days, as provided in the contract.

The amount of security required is as follows: Item 1, $600; Item 2, $500; Item 3, $200.

The deposit accompanying bid on each Item shall be five per centum of the amount of security.

A separate proposal must be submitted for each item and award will be made thereon.

Borough of Queens.

NO. 5:—FOR IMPROVING THE SANITARY CONDITION, ETC., AT PUBLIC SCHOOL 12, PROSPECT STREET, WINFIELD, AND PUBLIC SCHOOL 15, CORNER OF JUNCTION AND HAYES AVENUES, CORONA, BOROUGH OF QUEENS.

The time allowed to complete the whole work on each school will be 40 Working Days, as provided in the contract.

The amount of security required is as follows: P. S. 12, $1,200; P. S. 15, $2,000.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

On No. 4 and No. 5 the bidders must state the price of each Item, by which the bids will be tested. Award of contract will be made to the lowest bidder on each item.

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 Avenue and 59th Street, Borough of Manhattan; also at Branch Office, No. 69 Broadway, Flushing, Borough of Queens, for work for their respective boroughs.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated July 28, 1915. jy28,a9

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the office of the Department of Education, Park Avenue and 59th Street, Manhattan, until three o'clock P. M., on

MONDAY, AUGUST 9, 1915,
Borough of Queens.

NO. 6:—FOR COMPLETING AND FINISHING ITEM 1, FURNITURE FOR NEW PUBLIC SCHOOL 96, ON THE NORTHWESTERLY CORNER OF ROCKAWAY ROAD AND LINCOLN AVENUE, SOUTH OZONE PARK, FOURTH WARD, BOROUGH OF QUEENS, IN ACCORDANCE WITH THE ORIGINAL PLANS AND SPECIFICATIONS OF CONTRACT AWARDED TO MAX KLAUSNER, WHICH HAS BEEN DECLARED ABANDONED.

The time allowed to complete the whole work will be 40 Working Days, as provided in the contract.

The amount of security is $600. The work in question is for the completion of said abandoned contract. The attention of bidders is expressly called to the typewritten addenda which has been inserted in the original specifications.

The quantities of work to be done and the materials to be furnished are the balance of the work, together with corrections enumerated in the addenda.

Bidders must examine the abandoned work before making an estimate, and must examine the typewritten addenda and the original specifications. Bids will be compared and the contract will be awarded in a lump sum to the lowest bidder.

Blank forms, original 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 Avenue and 59th Street, Borough of Manhattan, and also at Branch Office, No. 69 Broadway, Flushing, Borough of Queens.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated July 28th, 1915. jy28,a9

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the office of the Department of Education, Park Avenue and 59th Street, Manhattan, until 3 o'clock P. M., on

MONDAY, AUGUST 9, 1915,
Borough of Brooklyn.

NO. 1. FOR INSTALLING ELECTRIC EQUIPMENT IN THE ADDITION TO AND ALTERATIONS IN PUBLIC SCHOOL 18, ON THE NORTHEASTERLY CORNER OF MAUJER AND LEONARD STREETS, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be 100 Working Days, as provided in the contract.

The amount of security required is $2,500.

The deposit accompanying bid shall be five per centum of the amount of security.

NO. 2. FOR ADDITIONS, ALTERATIONS AND REPAIRS TO ELECTRIC EQUIPMENT IN PUBLIC SCHOOLS 42 AND 43 AND MANUAL TRAINING HIGH SCHOOL, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work on each school will be 30 Working Days as provided in the contract. The amount of security required is as follows:

P. S. 42, $800; P. S. 43, $600; M. T. H. S., $1,400.

The deposit accompanying bid on each school shal be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

NO. 3:—FOR ALTERATIONS, REPAIRS, ETC., AT PUBLIC SCHOOL 45, LAFAYETTE, NEAR CLASSON AVENUE, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be 55 Working Days, as provided in the contract. The amount of security required is $600.

The deposit accompanying bid shall be five per centum of the amount of security.

On Nos. 1 and 3 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. Award of contract will be made to the lowest bidder on each item.

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 Avenue and 59th Street, Borough of Manhattan, and also at Branch Office, No. 131 Livingston Street, Borough of Brooklyn.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated July 28, 1915. jy28,a9

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the office of the Department of Education, Park Avenue and 59th Street, Manhattan, until 11 A. M., on

MONDAY, AUGUST 9, 1915.

FOR PRINTING AND FOR FURNISHING AND DELIVERING PRINTED SUPPLIES FOR THE BOARD OF EDUCATION OF THE CITY OF NEW YORK.

The time for the delivery of the articles, materials and supplies and the performance of the contract is within thirty (30) days (working) from date of order.

The amount of security required is thirty (30%) per cent. of the amount of the contract.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested.

Award will be 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.

Bids must be submitted in duplicate, each in a separate envelope.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, southwest corner of Park ave. and 59th street, Borough of Manhattan.

PATRICK JONES, Superintendent of School Supplies.

Dated, July 28, 1915. jy28,a9

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the office of the Department of Education, Park ave. and 59th st., Manhattan, until 11 A. M., on

MONDAY, AUGUST 2, 1915,

FOR FURNISHING AND DELIVERING TO THE DEPARTMENT OF EDUCATION 23,700 GROSS TONS OF ANTHRACITE AND SEMI-BITUMINOUS COAL, MORE OR LESS, FOR USE IN THE SCHOOLS IN THE CITY OF NEW YORK, AND FOR THE SEVERAL OFFICES AND DEPARTMENTS THEREOF.

The time for the delivery of the coal and supplies and the performance of the contract will be from August 16, 1915, to March 31, 1916, inclusive, as provided in the contract.

The amount of security required is thirty (30%) per cent. of the amount of the contract.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per gross ton, by which the bids will be tested.

Award will be made to the lowest aggregate bidder for Anthracite and Semi-bituminous coal for each Borough.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Bids must be submitted in duplicate, each in a separate envelope.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Board of Education, the Borough of Manhattan, corner of Park ave. and 59th st.

PATRICK JONES, Superintendent of School Supplies.

Dated, July 21, 1915. jy21,a2

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF CORRECTION.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Correction, Room 2400, Municipal Building, Manhattan, New York, until eleven o'clock A. M. on

MONDAY, AUGUST 9, 1915,

At which time they will be opened and read publicly.

FOR FURNISHING AND DELIVERING PLUMBING FIXTURES AND PLUMBING MATERIAL FOR THE EAST WING AND ADMINISTRATION SECTION OF THE DISCIPLINARY BUILDING ON RIKER'S ISLAND, BOROUGH OF BRONX, FOR WORK LISTED UNDER: BID A—PLUMBING FIXTURES, BID B—PLUMBING MATERIAL.—ERECTION NOT INCLUDED.

Proposals are to be made and contracts will be awarded separately for work under each Bid A and B.

Each proposal shall be accompanied by a certified check on a State or National Bank of the City of New York, drawn to the order of the Comptroller, or money to the amount of not less than five (5%) per cent. of the amount of the bid.

The time allowed for the delivery of the materials is five months.

The amount of security required will be fifty (50%) per cent. of the amount of the contract.

Bidders may consult the plans and specifications which are on file in the office of the Chief Inspector, Department of Correction, Municipal Building, New York City, and at the office of the Architects, F. B. & A. WARE, 1170 Broadway, New York City.

A complete set of plans and a copy of the specifications may be obtained by prospective bidders at the office of the architects, F. B. & A. Ware, 1170 Broadway, New York City, upon the payment of the cost of prints ($2.00 for the complete set).

KATHARINE BEMENT DAVIS, Commissioner.

July 28, 1915. jy28,a9

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at Municipal Building, Manhattan, until 11 o'clock a. m., on

WEDNESDAY, AUGUST 4, 1915,

SUPPLIES FOR MANUFACTURING PURPOSES.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before October 30, 1915.

The amount of security required is thirty (30) per cent. 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 extensions must be made and footed up, as the bids will be read from the totals and awards made to the lowest bidder on each item.

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, Municipal Building, New York City.

KATHARINE BEMENT DAVIS, Commissioner.

July 24, 1915. jy24,a4

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF STREET CLEANING.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at Room 1245, Municipal Building, Manhattan, until 12 o'clock noon on

WEDNESDAY, AUGUST 4, 1915,
Borough of Manhattan.

FOR FURNISHING AND DELIVERING 28 COMBINATION DUST TOPS AND RUBBISH CONTAINERS.

The time allowed for the delivery of materials and supplies and the performance of the contract is 30 days.

The amount of security required is 30% of the amount of the contract price.

Bids must be submitted in duplicate in separate envelopes.

The bidder will state the price of each item or article contained in the schedules, 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 item, 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 and the plans and drawings may be seen at the office of the Department of Street Cleaning, the Borough of Manhattan.

J. T. FETHERSTON, Commissioner.

Dated July 23, 1915. jy24,a4

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at Room 1244, Municipal Building, Manhattan, until 12 o'clock noon on

WEDNESDAY, AUGUST 4, 1915,
Borough of Manhattan.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO INSTALL A STEAM HEATING SYSTEM IN THE OFFICE BUILDING AND GARAGE WHICH IS TO BE ERECTED ON THE PIER AT THE FOOT OF 19TH STREET, EAST RIVER, BOROUGH OF MANHATTAN, NEW YORK CITY.

The time for the completion of the work and the full performance of the contract is 30 days.

The amount of security required is Six Hundred Dollars ($600).

The deposit to be made with the bid shall be 5% of the amount of the bond.

Bidders will state one aggregate price for the entire work described and specified, as the contract will be entire and for a complete job. Bidders must write out the total amount of their bids or estimates, in addition to inserting the same in figures.

The contract, if awarded, will be awarded to the lowest bidder.

Blank forms, plans and drawings and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Room 1244, Municipal Building. Bidders obtaining the plans and specifications will be required to deposit Ten Dollars ($10), which will be refunded upon return of the plans in good condition.

J. T. FETHERSTON, Commissioner.

Dated July 21, 1915. jy24,a4

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at Room 1244, Municipal Building, Manhattan, until 12 o'clock noon on

WEDNESDAY, AUGUST 4, 1915,
Borough of Manhattan.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO INSTALL A PLUMBING SYSTEM IN THE OFFICE BUILDING AND GARAGE TO BE ERECTED ON THE PIER AT THE FOOT OF 19TH STREET AND EAST RIVER, BOROUGH OF MANHATTAN, NEW YORK CITY.

The time for the completion of the work and the full performance of the contract is 30 days.

The amount of security required is Six Hundred Dollars ($600).

The deposit to be made with the bid shall be 5% of the amount of the bond.

Bidders will state one aggregate price for the entire work described and specified, as the contract will be entire and for a complete job. Bidders must write out the total amount of their bids or estimates, in addition to inserting the same in figures.

The contract, if awarded, will be awarded to the lowest bidder.

Blank forms, plans and drawings and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Room 1244, Municipal Building. Bidders obtaining the plans and specifications will be required to deposit Ten Dollars ($10), which will be refunded upon return of the plans in good condition.

J. T. FETHERSTON, Commissioner.

Dated July 21, 1915. jy24,a4

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at Room 1245, Municipal Building, Manhattan, until 12 o'clock noon on

WEDNESDAY, AUGUST 4, 1915,
Borough of Manhattan.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE BUILDING CONSTRUCTION AND ERECTION OF A TWO-STORY OFFICE BUILDING AND GARAGE ON THE PIER AT THE FOOT OF 19TH STREET AND EAST RIVER, BOROUGH OF MANHATTAN, CITY OF NEW YORK, AND THE INSTALLATION OF AN ELECTRICAL SYSTEM THEREIN.

The time for the completion of the work and the full performance of the contract is sixty (60) working days.

The amount of security required is Seven Thousand Five Hundred Dollars ($7,500).

The deposit to be made with the bid shall be 5% of the amount of the bond.

The contract, if awarded, will be awarded to the lowest bidder.

Bidders will state one aggregate price for the entire work described and specified, as the contract will be entire and for a complete job.

Bidders must write out the total amount of their bids or estimates in addition to inserting the same in figures.

Blank forms, plans and drawings and further information may be obtained at the office of the Department of Street Cleaning, room 1245, Municipal Building, Borough of Manhattan, New York City. A deposit of $15.00 will be required from all persons obtaining copies of the plans, to be repaid on return of the same in good condition. J. T. FETHERSTON, Commissioner.

Dated July 21, 1915. jy24,a4

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at Room 1244, Municipal Building, Manhattan, until 12 o'clock noon on

MONDAY, AUGUST 2, 1915,
Boroughs of Manhattan, Bronx and Brooklyn.

FOR FURNISHING AND DELIVERING 261 SETS OF CANVAS PARTS FOR CART TOPS.

The time allowed for the delivery of materials and supplies and the performance of the contract is 30 days.

The amount of security required is 30% of the amount of the contract price.

Bids must be submitted in duplicate in separate envelopes.

The bidder will state the price of each item or article contained in the specifications or schedules per set, 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 borough, and awards made to the lowest bidder on each borough.

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.

J. T. FETHERSTON, Commissioner.

Dated July 19, 1915. jy22,a2

☞See General Instructions to Bidders on last page, last column, of the "City Record."

Auction Sale of Condemned Property.

NOTICE IS HEREBY GIVEN THAT, IN ACcordance with the provisions of section 541 of the Greater New York Charter, I shall sell at public auction, to the highest bidder, the following described condemned property of this department:

MONDAY, AUGUST 2, 1915,

At 10 A. M., at the Incumbrance Yard, 56th Street and 12th Avenue, Borough of Manhattan, New York City.

200,000 POUNDS (MORE OR LESS) OLD TIRE, SCRAP AND MALLEABLE IRON (INCLUDING 150 OLD STEEL CART BODIES, MORE OR LESS).

TERMS OF SALE.

A deposit of $200 in cash, or by certified check, on each lot of old iron will be required at the time of the sale, said deposit to be held by the Department of Street Cleaning until all the iron is removed, which must be within ten (10) working days. The iron will be sold by the ton of 2,000 lbs. and must be paid for as removed.

The deposit on articles not removed, within the specified time, shall be forfeited to the City of New York as liquidated damages.

The Commissioner reserves the right to reject

any bid and to withdraw any article, or articles, or quantity of material, from the sale.

All quantities to be "more or less."

All qualities to be "as are."

The Commissioner reserves the right to order a resale of any goods that shall not have been removed by the purchaser within ten (10) working days after the date of the sale.

In case the purchaser fails to remove all of the goods purchased by him within ten (10) working days after the date of the sale, in addition to forfeiting the amount deposited, he shall also forfeit all right to the ownership of the articles.

J. T. FETHERSTON, Commissioner.

Dated, New York, July 20, 1915. jy22,a2

BELLEVUE AND ALLIED HOSPITALS, DEPARTMENT OF PUBLIC CHARITIES AND DEPARTMENT OF HEALTH.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by Bellevue and Allied Hospitals, Department of Public Charities and Department of Health, at Room 1230, Municipal Building, Borough of Manhattan, City of New York, until 12 o'clock noon on

FRIDAY, AUGUST 6, 1915,

FOR FURNISHING AND DELIVERING LABORATORY APPARATUS, SURGICAL INSTRUMENTS, HOSPITAL AND MISCELLANEOUS SUPPLIES.

The time for the performance of the contract is on or before December 31, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

No bid will be considered unless it is accompanied by a deposit. Such deposit shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The bidder will state the price per each, dozen, gross or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read and awards, if made, made to the lowest bidder on each item, as stated in the specifications.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Blank forms and further information may be obtained at Room 1226, Municipal Building, Borough of Manhattan.

BOARD OF TRUSTEES, BELLEVUE AND ALLIED HOSPITALS, JOHN W. BRANNAN, M. D., President.

DEPARTMENT OF PUBLIC CHARITIES, JOHN A. KINGSBURY, Commissioner.

DEPARTMENT OF HEALTH, S. S. GOLDWATER, M. D., Commissioner. jy27,a6

☞**See General Instructions to Bidders on last page, last column, of the "City Record," except for the address of the office for receiving and opening bids.**

DEPARTMENT OF FINANCE.

Confirmation of Assessments.

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 QUEENS:

FOURTH WARD.

NUGGET PLACE—REGULATING, GRADING (sidewalk spaces), CURBING AND FLAGGING, from Fulton street to Rockaway Boulevard. Area of assessment: Both sides of Nugget place from Fulton street to Rockaway Boulevard.

—that the same was confirmed by the Board of Assessors July 20, 1915, and entered July 20, 1915, 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 assessment is 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, 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 September 18, 1915, 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 assessment became a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 20, 1915. jy28,a7

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

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 the assessment for OPENING AND ACQUIRING TITLE to the following named avenues and streets in the BOROUGH OF QUEENS:

FIRST WARD.

OPENING AND ACQUIRING TITLE TO SCHOOL STREET, from Thomson avenue to a point north of Nott avenue; HILL STREET from Skillman avenue to Gale street; RAWSON STREET and MOORE STREET from Skillman avenue to Hunters Point avenue; HONEYWELL STREET from Queens Boulevard to Hunters Point avenue; BUCKLEY STREET from Skillman avenue to Hunters Point avenue. Confirmed June 15, 1915; entered July 23, 1915. 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.:

1. Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Thomson avenue, the said distance being measured at right angles to Thomson avenue; on the east by a line midway between School street and Van Dam street and by the prolongation of the said line; on the south by the northerly line of Nott avenue or Nelson avenue, and on the west by a line midway between School street and Mount street and by the prolongation of the said line.

2. Beginning at a point on the northerly line of Skillman avenue where it is intersected by the prolongation of a line midway between Buckley street and Hulst street, and running thence southwardly along the said line midway between Buckley street and Hulst street and along the prolongations of the said line to the intersection with the centre line of Greenpoint avenue; thence southwestwardly along the centre line of Greenpoint avenue to the intersection with a line distant 100 feet southwesterly from and parallel with the southwesterly line of Hunters Point avenue, the said distance being measured at right angles to Hunters Point avenue; thence northwestwardly along the said line parallel with Hunters Point avenue to the intersection with a line distant 100 feet easterly from and parallel with the easterly line of Hill street, the said distance being measured at right angles to Hill street; thence southwardly along the said line parallel with Hill street to the intersection with the northeasterly line of Gale street; thence southwestwardly at right angles to Gale street a distance of 160 feet; thence northwestwardly and parallel with Gale street to the intersection with the prolongation of a line midway between Van Dam street and Hill street; thence northwardly along the said line midway between Van Dam street and Hill street and along the prolongations of the said line to the intersection with the northerly line of Skillman avenue; thence eastwardly along the northerly line of Skillman avenue to the intersection with the prolongation of a line midway between Moore street and Honeywell street; thence southwardly along the said line midway between Moore street and Honeywell street to the intersection with the centre line of Queens boulevard; thence eastwardly along the centre line of Queens boulevard to the intersection with a line midway between Honeywell street and Buckley street; thence northwardly along the said line midway between Honeywell street and Buckley street and along the prolongation of the said line to the intersection with the northerly line of Skillman avenue; thence eastwardly along the northerly line of Skillman avenue to the point or place of beginning, excluding, however, from the above described areas such land as is exempt from assessment under the provisions of section 992 of the City Charter.

The above entitled assessment was entered on the date 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. 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 1006 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 assessment is 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, 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 September 21, 1915, 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 assessment became a lien to the date of payment.

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 23, 1915. jy28,a7

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 8.

WEST ONE HUNDRED AND SEVENTY-SEVENTH STREET—PAVING AND CURBING, between Audubon and St. Nicholas avenues. Area of assessment: Both sides of West One Hundred and Seventy-seventh street between Audubon and St. Nicholas avenues and to the extent of half the block at the intersecting avenues.

WEST ONE HUNDRED AND SIXTY-FIRST STREET—PAVING AND CURBING, from Broadway to Ft. Washington avenue. Area of assessment: Both sides of West One Hundred and Sixty-first street from Broadway to Ft. Washington avenue and to the extent of half the block at the intersecting streets.

FIFTEENTH WARD, SECTION 2.

RECEIVING BASINS adjacent to the northeast corner of WASHINGTON PLACE AND GREENE STREET and adjacent to the southwest corner of MERCER STREET AND WAVERLY PLACE. Area of assessment affects property in Block 547.

RECEIVING BASIN at the northeast corner of WASHINGTON PLACE AND MERCER STREET. Area of assessment affects Lots 26 and 30 in Block 547.

—that the same were confirmed by the Board of Assessors July 13, 1915, and entered July 13, 1915, 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, Municipal Building, north side, third floor, 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 September 11, 1915, 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 assessment became a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 13, 1915. jy19,29

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 11.

CLAY AVENUE—RECEIVING BASIN on the west side north of Claremont Parkway. Area of assessment affects Blocks Nos. 2788, 2790 and 2791.

TWENTY-FOURTH WARD, SECTION 15.

TAYLOR AVENUE—REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES, from Westchester avenue to 250 feet north of Wood avenue. Area of assessment: Both sides of Taylor avenue from Westchester avenue to 250 feet north of Wood avenue and to the extent of half the block at the intersecting streets and avenues.

—that the same were confirmed by the Board of Assessors on July 13, 1915, and entered July 13, 1915, 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 Bergen Building, fourth floor, southeast corner of Arthur and Tremont aves., 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 September 11, 1915, 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, July 13, 1915. jy19,29

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 assessment for LOCAL IMPROVEMENTS IN THE BOROUGH OF BROOKLYN:

THIRTY-FIRST WARD, SECTION 20.

AVENUE M—REGULATING, GRADING, CURBING AND FLAGGING, from East Sixteenth street to a line about 60 feet west of East Seventeenth street. Area of assessment: Both sides of Avenue M from East Sixteenth to East Seventeenth streets and extending back 100 feet through the adjacent blocks on each side of the improvement.

—that the same was confirmed by the Board of Assessors on July 13, 1915, and entered on July 13, 1915, 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 assessment is 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 Offerman Building, 503 Fulton street, 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 September 11, 1915, 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 assessment became a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 13, 1915. jy19,29

Corporation Sales of Real Estate.

Wm. P. Rae Company, Auctioneer.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Commissioners of the Sinking Fund of The City of New York, by virtue of the powers vested in them by law, will offer for sale at public auction on

WEDNESDAY, JULY 28, 1915,

at 12 o'clock M., at the Brooklyn Real Estate Exchange, No. 189 Montague Street, Borough of Brooklyn, all that certain piece or parcel of land belonging to the City of New York, and known on the Tax Map of The City of New York, Borough of Brooklyn, as Lot 9, Block 1169, Section 4, bounded and described as follows:

BEGINNING at a point at the intersection of the northeasterly line of Flatbush Avenue with the southerly line of Sterling Place; running thence easterly along the southerly line of Sterling Place 186 feet 3 inches; running thence southerly and at right angles with Sterling Place 57 feet 3 inches; running thence northwesterly 27 feet 1 inch; running thence southwesterly on a line drawn at right angles to Flatbush Avenue 82 feet 9 inches to the northeasterly line of Flatbush Avenue; running thence northwesterly along the northeasterly line of Flatbush Avenue 146 feet 1 inch to the point or place of beginning.

The minimum or upset price at which said property shall be sold is hereby fixed at Thirty-five Thousand Dollars ($35,000), plus the cost of advertising the sale. The sale to be made upon the following

TERMS AND CONDITIONS:

The highest bidder will be required to pay ten per cent. (10%) of the amount of the bid, together with the auctioneer's fees at the time of the sale, and ninety per cent. (90%) upon the delivery of the deed, which shall be within sixty (60) days from the date of the sale.

The deed so delivered shall be in form of a bargain and sale deed without covenants.

The Comptroller may, at his option, resell the property if the successful bidder shall fail to comply with the terms of the sale, and the person so failing to comply therewith will be held liable for any deficiency which may result from such resale.

The right is reserved to reject any and all bids.

Maps of said real estate may be seen on application at the Comptroller's Office (Division of Real Estate), Room 733, Municipal Building, Borough of Manhattan.

By order of the Commissioners of the Sinking Fund under resolution adopted at meeting of the Board held July 29, 1914.

EDMUND D. FISHER, Deputy and Acting Comptroller.

Department of Finance, Comptroller's Office, July 9th, 1915. jy12,28

Corporation Sales of Buildings.

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 purposes, in the

Borough of The Bronx.

BEING the buildings, parts of buildings, etc., standing within the lines of Lyvere Street, from Zerega Avenue to West Farms Road, 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 368, Municipal Building, Borough of Manhattan.

PURSUANT to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held July 15, 1915, 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

FRIDAY, AUGUST 6, 1915,

at 11 A. M., in lots and parcels and in manner and form and at upset prices as follows:

PARCEL 1 and 1A: About 450 feet of board fence on Lyvere Street, and part of two and one-half story frame house on the southwest corner of Lyvere Street and West Farms Road. Cut house 12.8 feet on front by 10.3 feet on rear. Upset price, $10.00.

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 368, Municipal Building, Borough of Manhattan, until 11.00 a. m. on the 6th day of Aug., 1915, 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 August 6, 1915," 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 368, Municipal Building, 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."

EDMUND D. FISHER, Deputy and Acting Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 16, 1915. jy21,a6

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 purposes, in the

Borough of The Bronx.

BEING the buildings, parts of buildings, etc., standing within the lines of West 236th Street from the westerly right of way lines of the New York and Putnam Railroad to Broadway, 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 368, Municipal Building, Borough of Manhattan.

PURSUANT to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held July 15, 1915, 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, AUGUST 5, 1915,

at 11 A. M., in lots and parcels and in manner and form and at upset prices as follows:

PARCEL NO. 70-71: Two-story brick basement frame house on the east side of Broadway at West 236th Street, and frame storehouse and shed in rear of house. Upset price, $25.00.

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 368, Municipal Building, Borough

of Manhattan, until 11.00 a. m. on the 5th day of Aug., 1915, 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 August 5, 1915," 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 368, Municipal Building, 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."

EDMUND D. FISHER, Deputy and Acting Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 16, 1915. jy21,a5

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of Queens, 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 Queens.

BEING the buildings, parts of buildings, etc., standing within the lines of Decatur Street, from the Borough Line to Cypress Avenue, in the 2nd Ward of the Borough of Queens, which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 368, Municipal Building, Borough of Manhattan.

PURSUANT to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held July 14, 1915, the sale by sealed bids, at the upset or minimum prices named in the description of each parcel of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

WEDNESDAY, AUGUST 4, 1915,

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 39: Part of two-story frame stable N. E. corner of Decatur Street and New York and Manhattan Beach Railroad right of way. Cut 6 feet on east side by 9 feet on west side. Upset price, $5.00.

PARCEL NO. 42: Part of platform and canopy of two-story brick factory on the southeast corner of Decatur Street and New York and Manhattan Beach Railroad right of way. Cut by new line of street. Upset price, $10.00.

PARCEL NO. 47: Part of two-story frame rear building at the southeast corner of Decatur Street and Wyckoff Avenue. Cut 0.55 feet on west side by 0.74 feet on east side. Upset price, $5.00.

PARCEL NO. 55: Part of three-story frame building and barn on the southwest corner of Decatur Street and Cypress Avenue. Cut building 0.49 feet on front by 0.46 feet on rear. Cut barn 0.48 feet on east side by 0.52 feet on west side. Upset price, $5.00.

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 368, Municipal Building, Borough of Manhattan, until 11.00 a. m. on the 4th day of Aug., 1915, 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 August 4, 1915," 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 368, Municipal Building, 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."

CHARLES S. HERVEY, Deputy Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 16, 1915. jy19,a4

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 January 1, 1914.

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 January 1, 1914.

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 January 1, 1914.

January 1, 1914.

WILLIAM A. PRENDERGAST, Comptroller.

Sales of Tax Liens.

Notice of Sale of Tax Liens of the City of New York, for Unpaid Taxes, Water Rents and Assessments for Local Improvements upon Lands and Tenements within that part of the City of New York now known and described as the Borough of Manhattan, Affecting Property as shown on the Tax Map of said City for said Borough of Manhattan, and also for Unpaid Taxes on the Real Estate of Corporations and Taxes on the Special Franchises of Corporations Affecting Poperty of certain Corporations and Individuals within the said Borough of Manhattan.

THE CITY OF NEW YORK, DEPARTMENT OF FINANCE, BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS OF TAXES AND ASSESSMENTS, MUNICIPAL BUILDING, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

Under the direction of Hon. William A. Prendergast, Comptroller of the City of New York, I, Daniel Moynahan, Collector of Assessments and Arrears, hereby give public notice, pursuant to the provisions of Chapter 17, Title 5 of the Greater New York Charter:

That the respective owners of the lands and tenements in the Borough of Manhattan, in the City of New York, as said lands and tenements are shown upon the Tax Map of said City for said Borough, on which any taxes or any assessment for local improvements have been imposed and become a lien and have remained unpaid for three years since the same were due and payable, or on which any water rent has been imposed and become a lien and has remained due and unpaid for four years since the same was due and payable, and also corporations and individuals as owners of certain lands or certain special franchises within the Borough of Manhattan on which taxes on the real estate of corporations, or taxes on the special franchises of corporations have been imposed and become a lien and have remained unpaid for three years since the same were due and payable, are required to pay the amount of said taxes, assessments and water rents, *together with all unpaid taxes, water rents and assessments affecting such lands and tenements which became a lien and were due and payable prior to March fifteenth, nineteen hundred and fifteen* (the taxes, water rents and assessments for local improvements required to be paid, thus comprising all unpaid taxes and water rents affecting said properties contained in assessment rolls down to and including the assessment roll of the City of New York for the year nineteen hundred and fourteen and all assessments for local improvements affecting said properties confirmed and entered up to March fifth, nineteen hundred and fifteen, inclusive) with all penalties thereon remaining unpaid, together with the interest thereon at the rate provided by law from the time the same became liens so as to be due and payable to the date of payment and the charges of this notice and advertisement to the Collector of Assessments and Arrears, at his office on the third floor of the Municipal Building, situate at Centre Street, Duane Street and Park Row, Borough of Manhattan, in the City of New York.

And notice is hereby given that if default be made in such payment the lien of the City of New York upon any of said lands and tenements for any tax, assessment or water rent which became a lien so as to be due and payable before March fifteenth, nineteen hundred and fifteen, will be sold at Public Auction in Room 512, Fifth Floor, Municipal Building, Borough of Manhattan, in the City of New York, on

THURSDAY, AUGUST 26, 1915,

at two o'clock in the afternoon of that day, for the lowest rate of interest, not exceeding twelve per centum per annum, at which any person or persons shall offer to take the same in consideration of advancing the said taxes, water rents and assessments and penalties, as the case may be, and interest thereon as aforesaid to the time of sale, the charges of notice and advertisement and all other costs and charges accrued thereon; and that such sale will be continued from time to time until all said liens for taxes, water rents and assessments for local improvements so advertised for sale affecting such lands and tenements shall be sold.

The transfer of tax lien to be executed and delivered to the purchaser thereof pursuant to the terms of said sale shall be subject to the lien for and the right of the City of New York to collect and receive all taxes, water rents and assessments for local improvements and penalties and interest thereon which accrued and became a lien, or which shall accrue and become a lien upon said premises so as to be due and payable on and after the date stated in the first advertisement of said sale as stated herein, namely, the fifteenth day of March, nineteen hundred and fifteen (i. e., the lien for and right of the City of New York to collect and receive all taxes and water rents, included in the assessment rolls of the City of New York for the years subsequent to nineteen hundred and fourteen, and assessments for local improvements entered subsequent to March fifth, nineteen hundred and fifteen).

Notice is hereby further given that a particular and detailed statement of the property affected showing section or ward, block and lot number thereof as the same may be on the Tax Map of the City of New York for the Borough of Manhattan and the tax liens thereon which are to be sold, is published in a pamphlet and that copies thereof are deposited in the office of the Collector of Assessments and Arrears in the Borough of Manhattan and will be delivered to any person applying for the same.

DANIEL MOYNAHAN, Collector of Assessments and Arrears of the City of New York.

Dated, New York, May 5, 1915.

This notice applies to arrears as of March 15, 1915.

m5,12,19,26,j2,9,16,23,30,jy7,14,21,28,a4,11,18,25

FIRE DEPARTMENT.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by Fire Department at Room 1230, Municipal Building, Borough of Manhattan, City of New York, until 12 o'clock noon on

FRIDAY, AUGUST 6, 1915,

FOR FURNISHING AND DELIVERING PAINTS, OILS, VARNISHES AND PAINTER'S SUPPLIES.

The time for the performance of the contract is on or before December 31, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

No bid will be considered unless it is accompanied by a deposit. Such deposit shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The bidder will state the price per ounce, pound, gallon or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read and awards, if made, made to the lowest bidder on each line or class, as stated in the specifications.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Blank forms and further information may be obtained at Room 1226, Municipal Building, Borough of Manhattan.

FIRE DEPARTMENT, ROBERT ADAMSON, Commissioner. jy27,a6

☞See General Instructions to Bidders on last page, last column, of the "City Record," except for the address of the office for receiving and opening bids.

BOARD OF WATER SUPPLY.

Proposals.

SEALED BIDS WILL BE RECEIVED BY the Board of Water Supply, at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 A. M. on

TUESDAY, AUGUST 10, 1915,

FOR CONTRACT 165.

FOR MAKING SIX BORINGS THROUGH ROCK, EACH OVER 500 FEET DEEP, AT THE EAST SHAFT OF HUDSON SIPHON OF CATSKILL AQUEDUCT, IN THE TOWN OF FISHKILL, DUTCHESS COUNTY, NEW YORK.

An approximate statement of the quantities of the various items of work and further information are given in the Information for Bidders, forming part of the contract. At the above place and time the 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 seven thousand dollars ($7,000) 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 five hundred dollars ($500).

Time allowed for the completion of the work is 4½ months from the service of notice by the Board to begin work.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., can be obtained at the above address, at the office of the Secretary, upon application in person or by mail, by depositing the sum of five dollars ($5) in cash or its equivalent 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.

For further particulars apply to the office of the Principal Assistant Engineer, at the above address.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

RALPH T. STANTON, Assistant 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. jy17—jy23,a10

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 will meet in Room 16, City Hall, at 10 o'clock A. M. on Thursday, July 1, 1915; Thursday, July 29, 1915; Thursday, August 26, 1915, and Friday, September 17, 1915, upon which latter date the Board will resume its regular meetings on Friday of each week. JOSEPH HAAG, Secretary.

Commissioners of Sinking Fund.

The Commissioners of the Sinking Fund meet in the Meeting Room (Room 16), City Hall, on Wednesday, 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 Thursday, at 10.30 a. m., upon notice of the Chief Clerk. JOHN KORB, JR., Secretary.

Board of City Record.

The Board of City Record meets in the City Hall at call of the Mayor.

DAVID FERGUSON, Supervisor, Secretary.

BOARD OF ESTIMATE AND APPORTIONMENT.

Notice of Public Hearing.

FRANCHISE MATTERS.

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held July 21, 1915, the following communication was received:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau St., New York, July 8, 1915.

To the Board of Estimate and Apportionment of The City of New York:

The Public Service Commission for the First District herewith trnsmits for appropriate action under the Rapid Transit Act:

(1) Certificate granted by the Commission to The New York, Brooklyn and Manhattan Beach Railway Company and The Long Island Railroad Company for connecting tracks between Knickerbocker Avenue and Fresh Pond Junction.

(2) Modifying certificate granted by the Commission to New York Connecting Railroad Company modifying the certificate of February 14, 1907, so as to eliminate the portion of the line between Knickerbocker Avenue and Fresh Pond Junction.

Under date of February 14, 1907, the Board of Rapid Transit Railroad Commissioners for The City of New York granted to New York Connecting Railroad Company a certificate for a connecting railroad between the railroad of The New York, New Haven and Hartford Railroad Company and the railroad of The Long Island Railroad Company. The connection with The Long Island Railroad Company was described in the certificate as beginning at a point over Knickerbocker Avenue in the Borough of Brooklyn. The Long Island Railroad Company and its lessor, The New York, Brooklyn and Manhattan Beach Railway Company, claim, however, that their franchise route extends to a point near Fresh Pond Junction in the Borough of Queens. This link between Knickerbocker Avenue and Fresh Pond Junction is also included as part of the line of the New York Connecting Railroad Company as described in its certificate, and in its petition of June 21, 1912, addressed to the Commission, New York Connecting Railroad Company claimed that a mistake had been made in the description of the route in the certificate of February 14, 1907, in so far as it included the portion of the line between Knickerbocker Avenue and Fresh Pond Junction. It also claimed that as the rental under the certificate was computed upon the basis of the length of line described in the certificate that the rental should correspondingly be reduced.

Upon the receipt of this petition the Commission directed a hearing which was thereafter duly held and adjourned from time to time. At the hearing held on December 20, 1912, the Corporation Counsel formally appeared in opposition to the granting of the petition and read into the record the resolution of your Honorable Board adopted on November 21, 1912, which is as follows:

"Whereas, The Public Service Commission for the First District has notified this Board of hearings before said Commission, on applications as follows:

"(a) The New York Connecting Railroad Company for the approval of changes in its certificate as to terminus of railroad in the Borough of Queens, and rental;

"(b) The Long Island Railroad Company for the approval of the exrecise of rights in carrying out improvements between Brooklyn-Queens Borough line and Fresh Pond Junction; and

"Whereas, A report has this day been received from the Bureau of Franchises of this Board discussing the objects sought to be accomplished by said petitions and stating the reasons advanced do not appear to warrant their approval; now, therefore, be it

"Resolved, That the Corporation Counsel be and he is hereby directed to represent this Board at all future hearings on said petitions before the Public Service Commission for the First District and oppose the granting of either or both of said petitions, unless additional and more weighty and pertinent reasons are advanced why such petitions should be granted; and, in the latter event, submit a report to this Board, setting forth in full such additional reasons, when he will be advised by this Board as to the future course to pursue in the premises."

Thereafter and on March 6, 1913, your Honorable Board adopted a further resolution approving the report of the Franchise Committee dated February 26, 1913, which is in part as follows:

"(1) That the Long Island Railroad Company shall apply for a grant of franchise for the right to construct, maintain and operate the two additional tracks proposed to be constructed between Fresh Pond Junction and the Brooklyn Borough line;

"(2) That any certificate issued to the Long Island Railroad Company shall contain a provision to the effect that nothing therein contained shall be construed as recognizing or legalizing the right of the Long Island Railroad Company to maintain the existing two-track railroad between Fresh Pond Junction and the Brooklyn Borough line, in the event of its not already having such right;

"(3) That any certificate issued to the Long Island Railroad Company shall contain conditions similar to those imposed in the franchise granted to the New York Connecting Railroad Company; that the compensation to be paid to the City thereunder shall equal at least the amount by which the compensation required to be paid by the New York Connecting Railroad Company may be reduced in changing the southerly terminus of its route to a point near Knickerbocker avenue, and that the readjustment of the compensation to be paid by the Long Island Railroad Company shall take place upon the same date and in the same manner as provided in the franchise to the said New York Connecting Railroad Company.

"(4) That the application of the New York Connecting Railroad Company and the Long Island Railroad Company shall be considered and acted upon simultaneously."

Thereafter and under date of May 2, 1914, The New York, Brooklyn and Manhattan Beach Railway Company and its lessee, The Long Island Railroad Company, submitted a formal application for a certificate under the Rapid Transit Act for connecting tracks between Knickerbocker avenue and Fresh Pond Junction. A public hearing under the Rapid Transit Act was held upon the draft form of certificate prepared upon the basis of this application on June 2, 1914. At that time there was still outstanding a number of points of difference as to which an agreement has only lately been reached.

The precise terms and conditions of the modifying certificate to New York Connecting Railroad Company were also taken up and finally agreed upon as embodied in the modifying certificate transmitted herewith.

These certificates generally comply with the resolution adopted by your Honorable Board on March 6, 1913. Paragraph three of those resolutions provides that "any certificate issued to the Long Island Railroad Company shall contain conditions similar to those imposed in the franchise granted to the New York Connecting Railroad Company; * * *." In a number of minor respects certain provisions in the certificate to New York Connecting Railroad Company were found inapplicable or unnecessary in the case of the proposed grant to The Long Island Railroad Company and its lessor. One provision included in the certificate to the Connecting Company has, however, been omitted, to which the Commission thinks the attention of your Honorable Board should be called. Article IX of the certificate of February 14, 1907, to the New York Connecting Railroad Company provides in part:

"Provided, however, that the Railroad Company shall have no power to carry on merely local traffic unless its application therefor shall have the approval of the Board and of the Board of Estimate and Apportionment and Mayor of the City, subject to such additional conditions and to the payment of such additional compensation to the City as they shall prescribe. Local traffic, within the meaning of this article, shall be deemed to include the carriage of passengers between any two points within the limits of the present City of New York, except as the same may be incidental to

the carriage or transference of passengers traveling to or from points beyond the limits of the City, or incidental to the operation of the railroad as herein expressly authorized."

This provision applied to the case of a connecting company to be engaged in interstate traffic whose termini joined the lines of trunk line railroads. The purpose of the grant was primarily to increase interstate and trunk line facilities and it was therefore proper that such a grant should contain a prohibition against the carrying on of purely local service. The situation in the case of The New York, Brooklyn and Manhattan Beach Railway Company and The Long Island Railroad Company is very different. The connecting tracks authorized by the proposed certificate extend only from Knickerbocker Avenue to Fresh Pond Junction, a distnce of a little over a mile, and join on one end of the line of The New York, Brooklyn and Manhattan Beach Railway Company leased to The Long Island Railroad Company. It is probable that these companies have the right on their existing line to carry on local traffic and it would seem that instead of being detrimental to the public interests it would be beneficial to have whatever local service is carried on over the existing line extended over this short extension.

With respect to compensation the proposed certificate to The New York, Brooklyn and Manhattan Beach Railway Company and The Long Island Railroad Company provides for the annual payment by the railroad companies of $3,575 until July 20, 1922, and $7,150 from July 20, 1922, until July 20, 1937. After July 20, 1937, the amount of compensation is to be readjusted at the same times and in the same manner as the compensation provided for in the certificate of February 14, 1907, to New York Connecting Railroad Company. With respect to the readjusted amounts to be payable after July 20, 1937, there is contained in the new certificate the following provision:

"Provided, however, anything herein contained to the contrary notwithstanding, that no such readjusted amount shall be less than an amount which shall bear the same proportion to the amount, exclusive of the rental charges for the occupation of land owned by the City on Wards and Randalls Islands, to be paid by New York Connecting Railroad Company at the end of the first period of twenty-five (25) years and at the end of each corresponding successive period of twenty-five (25) years for the rights granted by the said certificate of February 14, 1907, as the sum of three thousand five hundred and seventy-five dollars ($3,575) bears to the sum of twenty-seven thousand five hundred dollars ($27,500); the intent and meaning of this certificate being that the compensation to be paid to the City as provided in the certificate granted to New York Connecting Railroad Company under date of February 14, 1907, shall not be lessened or diminished in any respect by the making of the said modifying certificate or by this certificate. Nothing herein contained shall be deemed to determine or affect the basis of any such readjustment of amounts to be paid except as herein expressly stated, it being intended that such basis shall, except as so stated, be completely open to either the City or the Railway Company whenever any such readjustment is to be made, except that no such readjustment amount shall be less than the greatest corresponding amount specifically provided herein."

The modifying certificate to New York Connecting Railroad Company revises the description contained in the certificate of February 14, 1907, so as to eliminate the portion of the line between Knickerbocker Avenue and Fresh Pond Junction and provides for the reduction in the rental payable by New York Connecting Railroad Company thereunder in the amounts assumed as above set forth by The New York, Brooklyn and Manhattan Beach Railway Company and The Long Island Railroad Company.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

and the following resolutions were thereupon adopted:

Resolved, That the communication be received and in pursuance of law this Board hereby fixes Thursday, July 29, 1915, at ten o'clock A. M., in Room 16, City Hall, Borough of Manhattan, as the time and place when and where such certificates will be considered; and be it further

Resolved, That the Secretary of this Board be and he is hereby directed to publish notice of such consideration in the City Record.

JAMES D. McGANN, Assistant Secretary, Room 1307, Municipal Building. Telephone, 4560 Worth.

Dated, New York, July 21, 1915. jy27,29

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment held this day the following resolutions were adopted:

Whereas, The Marconi Telegraph-Cable Company, Inc., has, by a petition dated June 11, 1914, applied to this Board for the right to lay, construct, maintain and operate electric telegraph wires and the necessary branches therefrom under the streets, avenues and public places of The City of New York, for the purpose of conducting and maintaining a general telegraph business; 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, and Chapter 467 of the Laws of 1914, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on July 2, 1914, fixing the date for public hearing thereon as September 18, 1914, at which citizens were entitled to appear and be heard, and by resolution adopted July 30, 1914, said hearing was continued to September 21, 1914, and publication was had for at least two (2) days in the "Morning Telegraph" and "The Globe," 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 said last-named day; and

Whereas, The Corporation Counsel of the City has advised the Board that the Company, by its acceptance of the Post Roads Act of Congress, obtained a right to use the City's streets, subject to the right of the Board to regulate the use thereof and to demand reasonable compensation therefor; now, therefore, it is

Resolved, That the following form of the resolution for the grant of the consent applied for by the Marconi Telegraph-Cable Company, Inc., 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 Marconi Telegraph-Cable Company, Inc., 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, 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 executed in duplicate this day of , 19 , 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 MARCONI TELEGRAPH-CABLE COMPANY, INC., 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 Marconi Wireless Telegraph Company of America, a corporation formed under and pursuant to the Laws of the State of New Jersey, has constructed and proposes to operate certain wireless receiving and transmitting stations at Belmar and New Brunswick, in the State of New Jersey, and for the purpose of establishing offices in the City of New York obtained the incorporation of and controls the applicant Company, which is to act as its agent in the establishment of such offices in the City of New York and to receive and deliver from such offices messages intended for and received by wireless communication; and

Whereas, The said applicant Company on or about June 22, 1914, 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, approved 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

Whereas, The Company has now applied for authority to lay, construct, maintain and operate or use electric telegraph wires, with the necessary branches in connection therewith, under and along the streets, avenues and public places within the territory of the City of New York, according to the terms and conditions which the Board may determine, for the purpose of conducting and maintaining a general telegraph business; and

Whereas, The Corporation Counsel of the City has advised the Board that the Company by its acceptance of the Post Roads Act obtained a right to use the City's streets, subject to the right of the Board to regulate the use thereof and to demand reasonable compensation therefor;

Now, therefore, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. Subject to the conditions and provisions hereinafter set forth, the City hereby consents to the construction, maintenance and operation or use by the Company of suitable wires or other electrical conductors in the streets and avenues within the City of New York, for the purpose of electrically connecting various telegraph offices to be established by it in the said City with each other, and with the wireless stations of the Marconi Wireless Telegraph Company of America, located at Belmar and New Brunswick, in the State of New Jersey, or elsewhere, for the purpose of doing a telegraph business between the offices of the said Company and the offices of the said Marconi Wireless Telegraph Company of America.

Section 2. The consent hereby given is subject to the following conditions and regulations, which shall be complied with by the Company:

First—No wires or conductors laid, maintained or operated by the Company in the City, or any portion thereof, shall be used for the transmission of messenger call signals, telephonic conversations or for any other purpose than the transmission of messages by telegraph as contemplated by the Post Roads Act of Congress of the United States as interpreted by the Courts.

Second—The privilege of laying its wires underground and using the conduits in the City streets, herein consented to by the City, shall continue for the period of fifteen (15) years from the date of the signing of this contract by the Mayor, when the same and this contract shall cease and determine without any action or proceeding.

Third—The Company shall pay to the City for the expense of the examination of the application and all work in connection therewith, for the facilities afforded to it, and for local governmental supervision, the following sums of money:

1. The sum of five thousand dollars ($5,000) in cash within thirty (30) days after the date upon which this contract is signed by the Mayor.

2. An annual sum which shall be equal to one hundred dollars ($100) per mile for each and every metallic circuit used or operated by the Company in the City, but which sum shall not be less than one thousand dollars ($1,000).

The metallic circuits referred to above and wherever used in this contract shall be deemed to and shall include each and every two (2) wires between the same points used or operated by the Company, whether owned by it or otherwise. In arriving at the mileage in use or operated by the Company, the different circuits used or operated by it shall not be treated as separate items, but the total mileage of such circuits, when added together, shall be the basis for the payments to be made by the Company. The length of the various circuits used or operated shall be certified by the Company under oath, to the Comptroller, as hereinafter provided, but should the Company, for any reason, not have sufficient data to enable it to furnish such information, then and in that event it shall certify under oath to the Comptroller, as hereinafter provided, the various offices of whatever description, connected by the circuits in use by it, and the mileage upon which it shall make the annual payments shall be calculated and based upon the distances between such offices by the most direct route through the streeets and avenues of the City. Should the mileage at any time exceed an exact number of miles, then and in that event the annual payment to be made by the Company for the excess over such exact number of miles shall be upon the basis of twenty-five dollars ($25.) for each quarter of a mile (¼ mile) or fraction thereof.

The annual payments shall commence from the date on which this contract is signed by the Mayor.

All annual payments as above shall be paid into the treasury of the City on February 1 of each year, and shall be for the amount due to December 31 next preceding; provided, that the first annual payment shall be only for that proportion of the first annual sum as the time between the date upon which this contract is signed by the Mayor and December 31 following shall bear to the whole of one year.

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 law of the State of New York.

Fourth—The annual payments shall continue throughout the whole term of this contract, notwithstanding any clause in any statute or in the charter of any other company providing for payment for similar rights, facilities, franchises or supervision at a different rate, and no assignment, lease or sublease of the rights or privileges, the exercise of which is herein consented to or of the facilities for the exercise of the same, 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—The rights and privileges, the exercise of which is herein consented to or the facilities for the exercise of the same, 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 any wise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Sixth—The Company shall construct, maintain and operate its electric system 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, and in strict compliance with all laws or ordinances or departmental rules and regulations now in force, or which may be adopted, affecting companies operating electrical conductors in the City.

No construction or repair of said electrical system shall be commenced until written permits have been obtained from the proper City officials. In any permit so issued, such officials may 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 and the proper restoration of the surface of such streets and avenues over which such officials have jurisdiction, and the Company shall comply with such conditions.

Upon completion of any work of construction, the Company 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 structures erected, installed or constructed under this contract, and 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 of the substructures encountered must be shown, also their location with reference to the nearest curb line and the nearest curb line intersection.

The electrical and other equipment to be installed by the Company, whether the same be under streets and avenues, in any Department of the City or in private property, shall be constructed and maintained subject to the approval and under the supervision and control of the Commissioner of Water Supply, Gas and Electricity.

Seventh—The plant, conduits, wires, conductors, connections, instruments and all appurtenances thereto, shall be constructed, maintained and operated in the latest approved manner and with the most modern and improved appliances, and it is hereby agreed that the Board may require the Company to improve or add to its plant, conduits, wires, conductors, connections, instruments and appurtenances, from time to time, as such additions or improvements are determined by the Board, after hearing, to be reasonable and necessary. Upon failure on the part of the Company to comply with the directions of the Board within a reasonable time, this consent and contract shall cease and determine.

Eighth—All cables and wires of the Company laid pursuant to this contract shall be placed in ducts, conduits or subways (referred to in this paragraph as "subways"). Such subways shall be leased from the company or companies having control thereof under the provisions of law, or from the City, should it succeed to the right of such company or companies. If the City shall construct or acquire subways for electrical conductors of the character or tension of those used by the Company or similar companies, the Company hereby agrees to lay its wires and conductors in such subways, and the City agrees to lease to the Company such space as may be necessary and available for the operation of the system herein referred to.

No cables or wires shall be strung above the surface of the streets and avenues by the Company.

Ninth—It is a condition of this contract that the Company shall bear the entire expense of all work undertaken by it in the territory referred to herein.

Tenth—The Company shall file with the Board on the first day of February in each year a map or plan upon which shall be plainly and separately indicated the number of wires which were in use by the Company on December 31 preceding and the streets in which the same are located, and also those which were put in use during the year preceding that date. It shall also file with the Department of Water Supply, Gas and Electricity, on or before the tenth day of each month, a map or plan of the locations in which wires have been placed by it during the preceding month.

Eleventh—The wires of the Company shall be employed for no other purpose than those explicitly set forth herein and the Company binds itself not to lay, use, lease or operate wires for illegal purposes or to illegal places.

Twelfth—The Company shall assume all liability to persons or property by reason of the construction or operation of the system referred to in 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 the City shall be compelled to pay by reason of any acts or defaults of the Company.

Thirteenth—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 its consent to the exercise of a franchise or to grant a franchise right or privilege upon the same or other terms and conditions in the territory referred to in this contract, or any part thereof.

Fourteenth—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, the Company shall, for each day thereafter during which the default or defect remains pay to the City the sum of one hundred dollars ($100) 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.

Fifteenth—If for a period of three consecutive months after the commencement of its trans-Atlantic service by the Marconi Wireless Telegraph Company of America the system of the Company shall not be operated, or if the same shall not be operated for a period of six months out of any consecutive twelve months, the Board may revoke its consent and declare this contract terminated without further proceedings at law or in equity.

Sixteenth—The Company shall submit to the Board a report, not later than February 1 of each year for the year ending December 31 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 interest on funded debt.
10. Statement of dividends paid during the year, and the rate of same.
11. The names of the directors and officers elected at the last meeting of the corporation held for such purpose.
12. The name or names of the shareholder or shareholders holding a majority of the stock of the said corporation.
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 and location of offices of the Company in the City and the offices and companies to which the same are connected.
16. Total receipts of the Company.
17. Proportion of receipts retained by the Company as compensation for its services; the amount of such proportion and the rate per word of such proportion with respect to the messages received and transmitted by it.
18. Amounts paid by the Company for damage to persons or property on account of construction and operation.
19. 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.

The Company shall also file annually with the above report a certified copy of its then existing contract or contracts with the Marconi Wireless Telegraph Company of America and its affiliated companies.

Seventeenth—The Company shall, on or before February 1 of each year, make a verified report to the Comptroller of the total mileage of metallic circuits in use or operation by it in the City on December 31 preceding, and the location of the various offices, of whatever description, connected by the same, or should it not have sufficient data to enable it to furnish a statement of the mileage of such metallic circuits, then the Company shall, on February 1, furnish to the Comptroller a verified report of the various offices of whatever description connected by the circuits in use by it on December 31 next preceding. The Company shall also in the same manner furnish 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.

Eighteenth—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 the construction or operation of its system, shall deposit with the Comptroller of the City the sum of five thousand dollars ($5,000), either in money or securities, to be approved by him, which fund shall be security for the performance by the Company of all of the terms and conditions of this contract, and each and every one thereof. In the event of default in the payment of the annual charge or other payments herein required the City shall collect the same, with interest, from the said fund after ten (10) days' notice to the Company.

In case of failure of the Company to comply with the terms of this contract relating to the filing of annual statements, the installation or maintenance of its structures and equipment, or its neglect or refusal to comply with any demand or direction of the Board or other municipal officials, made pursuant to the terms of this contract, or under the authority of any laws, ordinances or departmental regulations now or hereafter in force, in such case and in any of these events the Company, except as herein otherwise provided, shall pay to the City a penalty of fifty dollars ($50) for each violation.

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 provisions of this contract. 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 in writing, pay to the City a sum sufficient to restore said security fund to the original amount of five thousand dollars ($5,000) and in default thereof this contract shall be cancelled 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.

Nineteenth—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 the Board. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company, served in the same manner as a summons in an action in the Supreme Court, 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 no adopted. In case the Company fails to appear action may be taken by the Board forthwith.

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 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, except as otherwise in this contract provided, 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.

Twenty-second—The words "streets and avenues" or "streets or avenues" wherever used in this contract shall be deemed to mean streets, avenues, highways, parkways, driveways, concourses, boulevards, bridges, viaducts, tunnels, public places, lands under water or any other property to which the City has title or over which the public has an easement, included within the limits of the territory in which the Company is to operate under this contract.

Twenty-third—The grant of this consent is subject to whatever right, title or interest the owners of abutting property or others may have, if any, in and to the streets and avenues of the territory in which the Company is authorized to operate by this contract.

Section 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.

Section 4. This contract is subject to the Constitution and Laws of the United States of America and the rules and regulations which have been and may be adopted in pursuance thereof.

Section 5. 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.
MARCONI TELEGRAPH-CABLE COMPANY, INC., by ....., President.
(Seal.)
Attest: ....., Secretary.
(Here add acknowledgments.)

Resolved, That these preambles and resolutions, including the said resolution for the grant of the consent applied for by the Marconi Telegraph-Cable Company, Inc., 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 in full for at least fifteen (15) days immediately prior to Thursday, July 29, 1915, in the City Record, 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 the consent applied for by the Marconi Telegraph-Cable Company, Inc., 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 such contract, will, at a meeting of said Board to be held in Room 16, City Hall, Borough of Manhattan, City of New York, on Thursday, July 29, 1915, at 10 o'clock a. m., hold a public hearing thereon at which citizens shall be entitled to appear and be heard.

Resolved, That a notice of such hearing, stating that copies of the proposed contract and resolution of consent thereto may be obtained by all those interested therein at the Bureau of Franchises, Room 1307, Municipal Building, Centre and Chambers Streets, Borough of Manhattan, shall be published at least twice at the expense of the proposed grantee during the ten (10) days immediately prior to Thursday, July 29, 1915, in the "Morning Telegraph" and "The Globe," the two daily newspapers in which the petition and notice of hearing thereon have been published.

JAMES D. McGANN, Assistant Secretary.
Dated New York, July 1, 1915. jy12,29

POLICE DEPARTMENT.

Auction Sale.

PUBLIC NOTICE IS HEREBY GIVEN THAT the One Hundred and Seventy-ninth Public Auction Sale, consisting of Condemned Police Department Horses, will be held at the Sales Stables of Messrs. Fiss, Doerr and Carroll Horse Company, Nos. 153-155 East 24th Street, Borough of Manhattan, on

MONDAY, AUGUST 2, 1915,
at 11 A. M.

Lot (No. 1, Horse Rock, No. 193; (2) Arizona, No. 696; (3) Trump, No. 515; (4) Pete, No. 28; (5) Nominee, No. 485; (6) Hartford, No. 590; (7) Fox, No. 453; (8) Nat, No. 476; (9) Dynamite, No. 122; (10) Hotspur, No. 679; (11) Partner, No. 218; (12) Juan, No. 582; (13) Cliff, No. 71; (14) Tenny, No. 141; (15) Cyrus, No. 100; (16) Conniston, No. 326; (17) Omar, No. 431; (18) Bounce, No. 428.

July 20, 1915.

ARTHUR WOODS, Police Commissioner.
jy24,a2

PUBLIC NOTICE IS HEREBY GIVEN THAT the One Hundred Seventy-eighth Public Auction Sale, consisting of Condemned Police Department Property (as follows: Bedsteads; Bed ends; Bed springs; Mortorcycles casings, Auto casings; Bicycle tires; Inner tubes; Rubber hose and mats; Stoves; Auto tools; Iron railing; Mangers; Hayracks; Book case; Filing cabinet; Old copper and iron wire; Lead covered cable; Chandeliers; Book and filing cases, etc.) will be held at the Property Clerk's Store room, Avenue D and East Houston Street, on

THURSDAY, JULY 29, 1915,
at 10:00 A. M.

Terms—Strictly cash. No checks accepted. Property not warranted. Property must be removed at once.

July 19th, 1915.

ARTHUR WOODS, Police Commissioner.
jy24,29

Owners Wanted for Unclaimed Property.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York, No. 240 Centre st., 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.

ARTHUR WOODS, Police Commissioner.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York—Office, No. 72 Poplar st., 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.

ARTHUR WOODS, Police Commissioner.

BELLEVUE AND ALLIED HOSPITALS, DEPARTMENT OF BRIDGES, DEPARTMENT OF CORRECTION, DEPARTMENT OF DOCKS AND FERRIES, FIRE DEPARTMENT, DEPARTMENT OF PUBLIC CHARITIES, DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by Bellevue and Allied Hospitals, Dep't of Bridges, Dep't of Correction, Dep't of Docks and Ferries, Fire Department, Dep't of Public Charities, Dep't of Water Supply, Gas and Electricity at Room 1230, Municipal Building, Borough of Manhattan, City of New York, until 12 o'clock noon on

FRIDAY, AUGUST 6, 1915,

FOR FURNISHING AND DELIVERING IRON, STEEL AND OTHER METALS.

The time for the performance of the contract is on or before December 31, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

No bid will be considered unless it is accompanied by a deposit. Such deposit shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The bidder will state the price per pound, each or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read and awards, if made, made to the lowest bidder on each line or class, as stated in the specifications.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Blank forms and further information may be obtained at Room 1226, Municipal Building, Borough of Manhattan.

BOARD OF TRUSTEES, BELLEVUE AND ALLIED HOSPITALS, JOHN W. BRANNAN, M. D., President.
DEP'T OF BRIDGES, F. J. H. KRACKE, Commissioner.
DEP'T OF CORRECTION, KATHARINE BEMENT DAVIS, Commissioner.
DEP'T OF DOCKS AND FERRIES, R. A. C. SMITH, Commissioner.
FIRE DEPARTMENT, ROBERT ADAMSON, Commissioner.
DEP'T OF PUBLIC CHARITIES, JOHN A. KINGSBURY, Commissioner.
DEP'T OF WATER SUPPLY, GAS AND ELECTRICITY, WILLIAM WILLIAMS, Commissioner. jy26,a6

☞See General Instructions to Bidders on last page, last column, of the "City Record," except for the address of the office for receiving and opening bids.

PUBLIC SERVICE COMMISSION.

In the Matter of the Application of The City of New York for a determination as to the manner in which the following streets shall be extended across the tracks of NASSAU ELECTRIC RAILROAD COMPANY and NEW YORK MUNICIPAL RAILWAY CORPORATION, in the Borough of Brooklyn, City of New York: 82nd Street, New Utrecht Avenue.

CASE No. 1971.

Published Notice of Hearing.

PURSUANT TO SECTION 90 OF THE RAILroad Law, the Public Service Commission for the First District gives notice to Nassau Electric Railroad Company and New York Municipal Railway Corporation, to The City of New York and to all owners of land adjoining said railroads and those parts of 82nd Street between New Utrecht Avenue and 18th Avenue, and New Utrecht Avenue between 81st Street and 86th Street to be opened, extended or constructed in the Borough of Brooklyn, City of New York, across the tracks of the Nassau Electric Railroad Company and New York Municipal Railroad Corporation, that the Public Service Commission for the First District will hold a public hearing in its Hearing Room, No. 154 Nassau Street, Borough of Manhattan, City of New York, on August 3, 1915, at 10:30 o'clock in the forenoon, for the purpose of hearing an application made by The City of New York to the Commission to determine the manner and method of extending and constructing the said streets across the tracks of Nassau Electric Railroad Company and New York Municipal Railway Corporation and such other matters pertaining thereto as may be brought before the Commission under the provisions of the Railroad Law.

Dated, New York, July 9, 1915.
PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by TRAVIS H. WHITNEY, Secretary. jy15,a2

Invitation to Contractors.

For the Supply of Special Work, Order No. 3, for Use in the Construction of Rapid Transit Railroads.

The Public Service Commission for the First District (hereinafter called the "Commission"), acting in behalf of The City of New York, invites proposals to supply Special Work (Frogs and Switches), Order No. 3, for use in the construction of rapid transit railroads.

A fuller description of the materials to be supplied is set forth, and other requirements, provisions, details and specifications are stated, in the form of contract and in the specifications and contract drawings therein referred to. Copies of the form of contract, specifications, contract drawings, bond and Contractor's Proposal may be inspected and purchased at the office of the Commission.

Sealed bids or proposals will be received at said office of the Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the 18th day of August, 1915, at twelve fifteen (12:15) o'clock p. m., at which time and place, or at a later date to be fixed by the Commission, the proposals will be publicly opened.

The Materials are to be delivered in installments. The Contractor shall be ready to deliver at least one portion of the Special Work within two months from the date of the delivery of the contract and shall complete the delivery of all portions within five months from the date of the delivery of the contract and shall make the intermediate deliveries at a rate not less than the uniform rate between the first and last deliveries, except as otherwise provided in the form of contract.

Every proposal must, when submitted, be enclosed in a sealed envelope endorsed "*Proposal for Supplying Special Work, Order No. 3*," 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.

Proposals must be in the form prescribed by the Commission. Every proposal must be accompanied by a certified check for five thousand dollars ($5,000). Certified checks submitted with proposals must be payable to the order of the Comptroller of The City of New York and must be drawn upon a national or state bank or trust company satisfactory to the Commission and having its principal office in New York City.

Deposits made by bidders whose proposals are not accepted will be returned within three (3) days after the contract is 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.

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.

The right to reject any and all bids is reserved.

New York, July 16, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, *Chairman.*
TRAVIS H. WHITNEY, *Secretary.* jy24,a18

For the Station Finish Work for Parts of the Seventh Avenue-Lexington Avenue and White Plains Road Rapid Transit Railroads.

SEALED BIDS OR PROPOSALS FOR THE construction of station finish for twenty-three stations on the Seventh Avenue-Lexington Avenue and White Plains Road Rapid Transit Railroads in the Borough of The Bronx will be received by the Public Service Commission for the First District (hereinafter called the "Commission") at the office of the Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the 18th day of August, 1915, at twelve fifteen (12:15) o'clock P. M., at which time and place or a later date to be fixed by the Commission, the proposals will be publicly opened.

The stations for which said station finish is to be provided are twelve stations on that part of the Seventh Avenue-Lexington Avenue Rapid Transit Railroad beginning in City property on the east side of River Avenue south of East 157th Street and extending thence northerly over City property, River Avenue and Jerome Avenue to Woodlawn Road, and eleven stations on that part of the White Plains Road Rapid Transit Railroad beginning in the block bounded by West Farms Road, Devoe Avenue, East 180th Street and Bronx Street and extending thence easterly and northeasterly over the Bronx River, City property and intersecting streets to a point in East 180th Street between Bronx Park Avenue and Morris Park Avenue and thence northerly over City property, Birchall Avenue and White Plains Road to a point near East 241st Street.

The work to be done will also include certain work of constructing enclosures between stations.

The Contractor must begin work within thirty days after the delivery of the contract on such station or stations or other parts of said Railroads as the Engineer of the Commission may direct and shall begin work on any of the remaining stations or other parts of said Railroads within ten days after notice and shall complete all work within six months from the delivery of the contract, except as otherwise provided in the form of contract.

A fuller description of the work and other requirements, provisions and specifications are given in the Information for Contractors and in the form of contract, contract drawings, bond and Contractor's Proposal, which are to be deemed a part of this invitation and copies of which may be inspected and purchased at said office of the Commission.

The receipt of bids will be subject to the requirements specified in said Information for Contractors.

New York, July 20, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, *Chairman.*
TRAVIS H. WHITNEY, *Secretary.* jy24,a18

For the Supply of Track Materials for Use in the Construction of Rapid Transit Railroads.

SEALED BIDS OR PROPOSALS FOR THE supply of track materials for use in the construction of rapid transit railroads will be received by the Public Service Commission for the First District at the office of said Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the 18th day of August, 1915, at twelve fifteen (12:15) o'clock P. M., at which time and place or at a later date to be fixed by said Commission, the proposals will be publicly opened.

There are twelve classes of materials to be bid upon, namely, Cast Iron, Cut Track Spikes, Screw Spikes and Lag Screws, Bolts and Nuts, Felt Pads, Malleable Iron, Tie Plate A, Tie Plate B, Tie Plate C, Tie Plate D, Tie Plates E, F, G and H, and Tie Plates E-2, W and X. If any bidder desires to bid on more than one class of materials, he shall submit a separate proposal for each class of materials bid upon, and the award of the contract or contracts, if made, will be for each class separately.

The materials are to be delivered in lots. The first lot is to be ready for delivery within sixty days after the delivery of the contract and the remaining lots are to be delivered from time to time as called for and the deliveries are to be completed on or before December 31, 1916, except as otherwise provided in the form of contract.

A fuller description of said materials and other requirements, provisions and specifications are given in the Information for Contractors and in the form of contract, specifications, contract drawings, bond and Contractor's Proposal, which are to be deemed a part of this Invitation and copies of which may be inspected and purchased at said office of said Commission.

The receipt of bids will be subject to the requirements specified in said Information for Contractors.

New York, July 20, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, *Chairman.*
TRAVIS H. WHITNEY, *Secretary.* jy24,a18

For the Supply of Ties and Timber for Use in the Construction of Rapid Transit Railroads.

SEALED BIDS OR PROPOSALS FOR THE supply of treated and untreated ties and timber for use in the construction of rapid transit railroads will be received by the Public Service Commission for the First District, acting on behalf of The City of New York, at the office of said Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the 18th day of August, 1915, at twelve fifteen (12:15) o'clock P. M., at which time and place or at a later date to be fixed by said Commission, the proposals will be publicly opened.

There are two classes of materials to be bid upon, namely, treated ties and timber and untreated ties and timber. If any bidder desires to bid on both classes of materials he shall submit a separate proposal for each class, and the award of the contract or contracts, if made, will be for each class separately. The quantity of treated ties and timber desired is approximately one million eight hundred thousand feet board measure and the quantity of untreated ties and timber desired is approximately thirty-one million feet board measure.

The materials are to be delivered in lots. The first lot is to be ready for delivery within seventy days after the delivery of the contract and the remaining lots are to be delivered from time to time as called for, and the deliveries are to be completed on or before December 31, 1916, except as otherwise provided in the form of contract. The said Commission reserves the right to order a minimum quantity of the materials of one thousand feet board measure per shipment and a maximum quantity varying from a rate of ten thousand feet board measure per day to a rate of one hundred thousand feet board measure per day, as provided in the form of contract. The contractor must provide a storeyard in the vicinity of the City of New York at which he shall keep on hand a sufficient supply of materials to insure prompt deliveries. Each bidder shall state definitely in his proposal the location of said storeyard.

The materials are to be delivered at points designated by the Engineer of the Commission along the Dual System of Rapid Transit Railroads of New York City. Each bidder shall state in his proposal, in addition to the prices for the materials, prices for hauling said materials from said storeyard to the points of delivery.

A fuller description of said materials and other requirements, provisions and specifications are given in the Information for Contractors and in the form of contract, specifications, contract drawings, bond and contractor's Proposal, which are to be deemed a part of this Invitation and copies of which may be inspected and purchased at said office of said Commission.

The receipt of bids will be subject to the requirements specified in said Information for Contractors.

New York, July 20, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, *Chairman.*
TRAVIS H. WHITNEY, *Secretary.* jy24,a18

Railroad Duct Line for the Queensboro Subway Rapid Transit Railroad.

SEALED BIDS OR PROPOSALS FOR THE construction of a Railroad duct line for the Queensboro Subway Rapid Transit Railroad will be received by the Public Service Commission for the First District (hereinafter called the "Commission") at the office of the Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the 4th day of August, 1915, at twelve fifteen (12.15) o'clock P. M., at which time and place or at a later date to be fixed by the Commission the proposals will be publicly opened.

The said Railroad duct line is to be a subsurface duct line consisting of forty ducts, with manholes at intervals extending under East 44th Street from Lexington Avenue to First Avenue, in the Borough of Manhattan, thence under First Avenue to East 42nd Street, and thence under East 42nd Street to Shaft No. 2 of the Queensboro Subway Rapid Transit Railroad on the northerly side of East 42nd Street, between First Avenue and the East River.

The work to be done will include the care and support of surface, subsurface and overhead structures, the maintenance of traffic and the restoration of street surfaces.

The method of construction will be by trench excavation.

The contractor must complete the portion of the work at and east of Second Avenue (except the permanent restoration of street surfaces) within two months from the delivery of the contract and must complete the portion of the work beween Second Avenue and Lexington Avenue (except the permanent restoration of street surfaces) within four months from the delivery of the contract, and must complete the permanent restoration of street surfaces within eight months from the delivery of the contract, as set forth in the form of contract.

A fuller description of the work and other requirements, provisions and specifications are given in the Information for Contractors and in the form of contract, contract drawings, bond and Contractor's Proposal, which are to be deemed a part of this Invitation and copies of which may be inspected and purchased at said office of the Commission.

The receipt of bids will be subject to the requirements specified in said Information for Contractors.

New York, July 20, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, *Chairman.*
TRAVIS H. WHITNEY, *Secretary.* jy21,a4

For the Supply of Ballast for Use in the construction of Rapid Transit Railroads.

SEALED BIDS OR PROPOSALS FOR THE supply of ballast for use in the construction of rapid transit railroads will be received by the Public Service Commission for the First District at the office of said Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the fourth day of August, 1915, at twelve fifteen (12:15) o'clock P. M., at which time and place or at a later date to be fixed by said Commission the proposals will be publicly opened.

There are three portions of ballast to be bid upon, known as Portion A, Portion B and Portion C, respectively. If any bidder desires to bid on more than one portion of the ballast, he shall submit a separate proposal for each portion bid upon and the award of the contract or contracts, if made, will be for each portion separately. The ballast to be supplied under the contracts for Portion A and Portion C is known as Class A and Class B ballast and is to be either trap rock or hard limestone. The ballast to be supplied under the contract for Portion B is known as three-inch ballast and is to be either trap rock, hard limestone or field stone. Bids for Portion A and Portion C must state whether they are for furnishing trap rock or hard limestone, and bids for Portion B must state whether they are for furnishing trap rock, hard limestone or field stone.

The ballast is to be delivered in lots. The first lot is to be ready for delivery within sixty days after the delivery of the contract and the remaining lots are to be delivered from time to time as called for and the deliveries are to be completed on or before December 31, 1916, except as otherwise provided in the form of contract.

A fuller description of the ballast and other requirements, provisions and specifications are given in the Information for Contractors and in the form of contract, specifications, bond and Contractor's Proposal, which are to be deemed a part of this invitation and copies of which may be inspected and purchased at said office of said Commission.

The receipt of bids will be subject to the requirements specified in said Information for Contractors.

New York, July 20, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, Chairman.
TRAVIS H. WHITNEY, Secretary. jy21,a4

For the Station Finish Work for Part of the Queensboro Subway Rapid Transit Railroad.

The Public Service Commission for the First District (hereinafter called the "Commission"), acting for and on behalf of The City of New York, invites proposals to construct station finish for six stations on that part of the Queensboro Subway Rapid Transit Railroad on Second Avenue in the Borough of Queens between Beebe and Ditmars Avenues.

Bidders must examine the form of contract and the specifications and contract drawings, must visit the location of the work and inform themselves of the conditions and make their own estimates of the facilities and difficulties attending the execution of the work.

A fuller description of the work and other requirements, provisions, details and specifications are given in the form of contract and in the contract drawings therein referred to. Copies of the forms of contract, bond and contractor's proposal and of the contract drawings may be inspected and purchased at the office of the Commission.

The Contractor must complete the work within six months from the delivery of the contract.

Partial payments to the Contractor will be made as the work proceeds, as provided in the contract.

At the time of the delivery of the contract the Contractor must furnish security to the City by depositing a bond, cash or securities in the sum of twenty-five thousand dollars ($25,000). As further security ten per centum (10%) of the amounts certified from time to time to be due to the Contractor will be deducted.

Sealed bids or proposals will be received at the office of the Commission, No. 154 Nassau Street, Borough of Manhattan, New York City, until the 4th day of August, 1915, at twelve fifteen (12:15) o'clock p. m., 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.

A statement, based upon the estimate of the Chief Engineer of the Commission, of the quantities of the various classes of the work and of the nature and extent as near as practicable of the work is to be found in the schedule in the form of contractor's proposal. The quantities given in such schedule 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.

Every proposal must when submitted be enclosed in a sealed envelope endorsed *"Proposal for Constructing Station Finish for Part of Rapid Transit Railroad—Routes Nos. 36 & 37, 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 unless accompanied by a separate certified check for ten thousand dollars ($10,000) payable to the order of the Comptroller of the City and drawn upon a national or state bank or trust company satisfactory to the Commission and having its principal office in New York City. 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.

Deposits made by bidders whose proposals are not accepted will be returned within three (3) days after the contract is executed and delivered and its provisions in respect of the bond or deposit are complied with, unless all proposals shall be rejected, in which event such deposits will be returned within three (3) days after such rejection. The deposit of the successful bidder will be returned when the contract is executed and delivered 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, July 16, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, *Chairman.*

TRAVIS H. WHITNEY, *Secretary.* jy17,a4

For the Station Finish Work for Parts of the Queensboro Subway Rapid Transit Railroad.

The Public Service Commission for the First District (hereinafter called the "Commission"), acting for and on behalf of The City of New York, invites proposals to construct station finish for thirteen stations on those parts of the Queensboro Subway Rapid Transit Railroad, briefly described as follows: Beginning at a point in the Borough of Queens under Fourth Street near Van Alst Avenue and extending thence easterly through private property, intervening streets and the North Shore Yard of the Long Island Railroad to Davis Street; thence northerly over Davis Street and Ely Avenue to the Queensboro Bridge Plaza; thence easterly over said Plaza to a point near Jackson Avenue, where the road divides into two branches; one branch extending northerly over Jackson Avenue and Second Avenue to a point in Second Avenue about three hundred feet south of the centre line of Beebe Avenue and the other branch extending easterly over Queens Boulevard, Greenpoint Avenue, Skillman Avenue and Roosevelt Avenue to a point in Roosevelt Avenue near Sycamore Avenue.

Bidders must examine the form of contract and the specifications and contract drawings, must visit the location of the work and inform themselves of the conditions and make their own estimates of the facilities and difficulties attending the execution of the work.

A fuller description of the work and other requirements, provisions, details and specifications are given in the form of contract and in the contract drawings therein referred to. Copies of the forms of contract, bond and contractor's proposal and of the contract drawings may be inspected and purchased at the office of the Commission. The Contractor shall begin work within thirty days after the delivery of the contract on such station or stations or other parts of the Railroad as the Engineer of the Commission may direct and shall begin work on any of the remaining stations or other parts of the Railroad within ten days after notice and shall complete all work within six months from the delivery of the contract, except as otherwise provided in the form of contract.

Partial payments to the Contractor will be made as the work proceeds, as provided in the contract.

At the time of the delivery of the contract the Contractor must furnish security to the City by depositing a bond, cash or securities in the sum of fifty thousand dollars ($50,000). As further security ten per centum (10%) of the amounts certified from time to time to be due to the Contractor will be deducted.

Sealed bids or proposals will be received at the office of the Commission, No. 154 Nassau Street, Borough of Manhattan, New York City, until the 3rd day of August, 1915, at twelve fifteen (12:15) o'clock p. m., 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.

A statement based upon the estimate of the Chief Engineer of the Commission of the quantities of the various classes of the work and of the nature and extent as near as practicable of the work is to be found in the schedule in the form of contractor's proposal. The quantities given in such schedule 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.

Every proposal must when submitted be enclosed in a sealed envelope endorsed *"Proposal for Constructing Station Finish for Parts of Rapid Transit Railroad, Routes Nos. 36 & 37, Sections Nos. 1 and 3, and Route No. 50,"* 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 unless accompanied by a separate certified check for ten thousand dollars ($10,000) payable to the order of the Comptroller of the City and drawn upon a national or state bank or trust company satisfactory to the Commission and having its principal office in New York City. 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 interest 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.

Deposits made by bidders whose proposals are not accepted will be returned within three (3) days after the contract is executed and delivered and its provisions in respect of the bond or deposit are complied with, unless all proposals shall be rejected, in which event such deposits will be returned within three (3) days after such rejection. The deposit of the successful bidder will be returned when the contract is executed and delivered 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, July 16, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, *Chairman.*

TRAVIS H. WHITNEY, *Secretary.* jy17,a3

For the Supply of Track Rail Splice Bars, Anti-Creepers and Nut Locks for Use in the Construction of Rapid Transit Railroads.

The Public Service Commission for the First District (hereinafter called the "Commission") acting in behalf of The City of New York, invites proposals to supply Track Rail Splice Bars Anti-Creepers and Nut Locks for use in the construction of rapid transit railroads.

A fuller description of the materials to be supplied is set forth, and other requirements, provisions, details and specifications are stated, in the form of contract and in the specifications and contract drawings therein referred to. Copies of the form of contract, specifications, contract drawings, bond and Contractor's Proposal may be inspected and purchased at the office of the Commission.

There are three (3) classes or groups of materials to be bid upon, to wit: Track Rail Splice Bars. Anti-Creepers and Nut Locks. A separate proposal in a separate book shall be submitted for each class or group of materials bid upon, and the awarding of the contract or contracts if made will be for each group separately. Proposals must in every case be for furnishing all of the items under any particular group.

Sealed bids or proposals for each class or group of materials separately will be received at said office of the Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the 28th day of July, 1915, at twelve fifteen (12:15) o'clock p. m., at which time and place, or at a later date to be fixed by the Commission, the proposals will be publicly opened.

The Materials are to be delivered in lots. The first lot is to be ready for delivery within sixty (60) days after the delivery of the contract and the remaining lots are to be delivered from time to time as called for and the deliveries are to be completed on or before December 31, 1916, except as otherwise provided in the firm of contract. Bidders must specify in their proposals the minimum and the maximum rate at which they will deliver the materials for the prices bid. In view of the Commission's varable requirements from time to time the amount of latitude allowed between such minimum and maximum rates of delivery as set forth in the Contractor's Proposal will be considered, as well as the prices contained therein, in awarding the contract.

If any patented article is shown on the contract drawings the bidder may submit an alternative design for such patented article. If the bidder contemplates furnishing an alternative design for such patented article he shall submit with his proposal detailed plans showing all of the dimensions and other characteristics of the article which he proposes to furnish and the plans so submitted will, if the proposal be accepted, be made part of the contract.

Proposals must be in the form prescribed by the Commission. Every proposal must, when submitted, be enclosed in a sealed envelope endorsed *"Proposal for Supplying* Order No. 3,"* 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.

Each and every proposal for each class or group of materials must be accompanied by a certified check for a sum not less than ten (10) per centum of the amount of the bid nor more than five thousand ($5,000) dollars. Certified checks submitted with the proposals must be payable to the order of the Comptroller of The City of New York and drawn upon a national or state bank or trust company satisfactory to the Commission and having its principal office in New York City.

Deposits made by bidders whose proposals are not accepted will be returned within three (3) days after the contract is 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.

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.

The right to reject any and all bids is reserved.

New York, July 9, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, *Chairman.*

TRAVIS H. WHITNEY, *Secretary.* jy13,28

*Here insert the name of the class of materials for which bid is submitted, e. g.: *Track Rail Splice Bars, Anti-Creepers* or *Nut Locks.*

Part of the Eastern Parkway Rapid Transit Railroad.

The Public Service Commission for the First District (hereinafter called the "Commission") invites proposals to construct Section No. 2 of Route No. 29, a part of the Eastern Parkway Rapid Transit Railroad.

The points within the City of New York 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 Nostrand Avenue, in the Borough of Brooklyn, about two hundred and twenty (220) feet south of the southerly building line of Church Avenue and extending thence southerly under Nostrand Avenue to a point about one hundred and forty-two (142) feet south of the southeast corner of Flatbush and Nostrand Avenues.

The general plan of construction calls for a subsurface railroad having two tracks.

The Contractor will not be required to provide or lay tracks, ties or ballast, nor to do station finish work.

The work under the contract will include the care and support of buildings, vaults, sewers, pipes, railroads and other surface, subsurface and overhead structures, the maintenance of traffic and the restoration of pavements and other surfaces.

The method of construction will be partly by trench excavation under cover and partly by open trench excavation without cover, as set forth in the form of contract.

Bidders must examine the form of contract and the specifications and contract drawings; must visit the location of the work and inform themselves of the conditions along the line of the work and make their own estimates of the facilities and difficulties attending the execution of the work.

A fuller description of the work and other requirements, provisions, details and specifications are given in the form of contract and in the contract drawings therein referred to. Copies of the form of contract, bond and contractor's proposal and of the contract drawings may be inspected and purchased at the office of the Commission, No. 154 Nassau Street, Borough of Manhattan, New York City. The forms of contract, bond and contractor's proposal and the contract drawings are to be deemed a part of this Invitation.

The City of New York (hereinafter called the "City") and the Interborough Rapid Transit Company will both be parties to the contract; the Interborough Rapid Transit Company being a party for the purpose of disbursing part of its contribution toward the cost of construction as provided in the contract dated March 19, 1913, between the City and said Company for additional rapid transit railroads. The liability of Interborough Rapid Transit Company will be limited to an amount equal to ninety-five per centum (95%) of the total estimated amount to be paid to the Contractor under the Contract.

Partial payments to the Contractor will be made as the work proceeds as provided in the contract.

The Contractor must within twenty-one (21) months from the delivery of the contract complete the Railroad and such other work covered by the contract as may be necessary to put the Railroad in condition for operation and must complete all other work covered by the contract within twenty-five (25) months from the delivery of the contract.

At the time of the delivery of the contract the Contractor must furnish security to the City by depositing a bond, cash or securities in the sum of one hundred and seventy-five thousand dollars ($175,000). As further security fifteen per centum (15%) 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 ten per centum (10%) of the total estimated amount to be paid to the Contractor under the contract. Thereafter there shall be so deducted and retained for such purpose ten per centum (10%) of the amounts certified from time to time to be due to the Contractor.

Sealed bids or proposals will be received at the office of the Commission, at No. 154 Nassau Street, Borough of Manhattan, New York City, until the 28th day of July, 1915, at twelve fifteen (12:15) o'clock p. m., at which time and place, 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.

A statement, based upon the estimate of the Chief Engineer of the Commission, of the quantities of the various classes of the work and of the nature and extent as near as practicable of the work is to be found in the schedule in the form of contractor's proposal. The quantities given in such schedule 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.

Every proposal must when submitted be enclosed in a sealed envelope endorsed *"Proposal for Constructing Part of Rapid Transit Railroad—Route No. 29, 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 unless accompanied by a separate certified check for twenty-five thousand dollars ($25,000) payable to the order of the Comptroller of the City and drawn upon a national or state bank or trust company satisfactory to the Commission and having its principal office in New York City. 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 Commision as soon as practicable after the opening of the proposals.

Deposits made by bidders whose proposals are not accepted will be returned within three (3) days after the contract is executed and delivered and its provisions in respect of the bond or deposit are complied with, unless all proposals shall be rejected, in which event such deposits will be returned within three (3) days after such rejection. The deposit of the successful bidder will be returned when the contract is executed and delivered 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, July 9, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, *Chairman.*

TRAVIS H. WHITNEY, *Secretary.* jy10,28

DEPARTMENT OF BRIDGES.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at his office, Municipal Building, Manhattan, until 2 o'clock P. M., on

THURSDAY, AUGUST 5, 1915,

FOR CONSRUCTING ADDITIONAL ENTRANCES TO THE BEDFORD AVENUE TROLLEY STATION ON THE WILLIAMSBURG BRIDGE.

The Contractor will be required to begin work within five days of the date of certification of the contract by the Comptroller of the City of New York, and will be required to complete the entire work to the satisfaction of the Commissioner and in accordance with the plans and specifications within One Hundred and Twenty (120) Consecutive Working Days.

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.

F. J. H. KRACKE, Commissioner.

Dated July 22nd, 1915. jy24,a5

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at his office, Municipal Building, Manhattan, until 2 o'clock P. M., on

THURSDAY, JULY 29, 1915,

FOR REPAIRS TO ASPHALT PAVEMENTS ON THE BRIDGES OVER THE HARLEM RIVER.

The repairs shall be made from time to time as required and the contract completed on or before December 31, 1915.

The amount of security to guarantee the faithful performance of the work will be Six Hundred Dollars ($600.00).

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.

F. J. H. KRACKE, Commissioner.

Dated July 13th, 1915. jy17,29

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF BROOKLYN.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Brooklyn at Room 2, Borough Hall, until 11 o'clock A. M., on

WEDNESDAY, AUGUST 4, 1915,
Borough of Brooklyn.

FOR DREDGING NEWTOWN CREEK CANAL AT AND IN THE CANAL AND BASIN INCLUDED WITHIN THE BOUNDARIES OF JOHNSON AVE., MONTROSE AVE., MORGAN AVE., VARICK AVE., AND ALSO IN THE STAGG ST. BASIN, AND IN NEWTOWN CREEK NEAR THE INTERSECTION OF SCOTT AND METROPOLITAN AVENUES.

The Engineer's preliminary estimate of the quantities is as follows:

15,000 cubic yards, scow meaurement.

The time allowed for the completion of the work and full performance of the contract will be Forty-five (45) calendar days.

The amount of security required will be Three Thousand Dollars ($3,000.00).

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, 215 Montague St., Brooklyn.

L. H. POUNDS, President.

Dated, July 20, 1915. jy23,a4

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Brooklyn at Room No. 2, Borough Hall, until 11 o'clock A. M., on

WEDNESDAY, JULY 28, 1915,

NO. 1—FOR REGULATING AND REPAVING WITH PERMANENT GRADE 1 GRANITE PAVEMENT ON A 6-INCH CONCRETE FOUNDATION THE ROADWAY OF NEWTON STREET FROM 80 FEET, MORE OR LESS, WEST OF GRAHAM AVE. TO GRAHAM AVE.

The blocks used on this contract shall be new granite blocks.

The Engineer's estimate is as follows:

10 lin. ft. old curbstone reset in concrete.
190 lin. ft. new curbstone set in concrete.
56 cu. yds. concrete.
335 sq. yds. grade 1 granite pavement with joint filler of coal tar pitch and sand (1 year maintenance).
10 sq. yds. adjacent pavement to be relaid.
2 new iron basin heads.

Time allowed, 25 working days. Security required, $500.

NO. 2—FOR REGULATING AND REPAVING, INCLUDING THE RESTORATION OF PAVEMENT, ETC., REMOVED AND DAMAGED BY JOHN J. GREEM CO. IN CONNECTION WITH THE CONSTRUCTION OF THE CLASSON AVE. RELIEF SEWER, DIV. 1. SEC. 2, IN THE ROADWAYS OF SKILLMAN ST. FROM PARK AVE. TO MYRTLE AVE., MYRTLE AVE. FROM FRANKLIN AVE. TO NOSTRAND AVE., NOSTRAND AVE. FROM STOCKTON ST. TO 75 FT. SOUTH OF WILLOUGHBY AVE., AND VERNON AVE. FROM NOSTRAND AVE. TO MARCY AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

THE GRADE 1 BLOCKS FURNISHED FOR USE ON THIS CONTRACT SHALL BE NEW GRANITE BLOCKS.

THE GRADE 2 BLOCKS FURNISHED FOR USE ON THIS CONTRACT SHALL BE OF THE SAME GENERAL CHARACTER AND QUALITY AS THE BLOCKS THAT ARE NOW PAVED IN THE STREET.

The Engineer's estimate is as follows:

1,330 lin. ft. old curbstone reset in concrete.
3,695 lin. ft. new curbstone set in concrete.
355 lin. ft. granite heading stones set in concrete.
60 sq. ft. granite crosswalks.
700 sq. ft. bluestone crosswalks.
1,505 cu. yds. concrete.
665 sq. yds. grade 1 granite pavement with joint filler of coal tar pitch and sand.
3,340 sq. yds. grade 2 granite pavement with joint filler of sand.
395 sq. yds. grade 2 granite pavement with joint filler of coal tar pitch and gravel.
7,960 sq. yds. asphalt pavement.
1 new cover and head for sewer manhole.

Time allowed, 50 working days. Security required, $8,500.

NO. 3—FOR FURNISHING AND DELIVERING 50,000 ASPHALT PAVING BLOCKS, THE DEPTH OF WHICH SHALL BE 3 INCHES, TO BE DELIVERED AS FOLLOWS:

30,000 to Corporation Yard, Wallabout Basin, foot of Hewes St.

10,000 to yard adjoining the Municipal Asphalt Plant, 7th St. Basin, Gowanus Canal, and

10,000 to Corporation Yard, 67th St., near 18th Ave.

Time for completion of contract, on or before Dec. 31, 1915.

Security required, 30% of the amount for which the contract is awarded.

NO. 4—FOR FURNISHING AND DELIVERING 50,000 WOOD PAVING BLOCKS, THE DEPTH OF WHICH SHALL BE 3¼ INCHES, TO BE DELIVERED TO CORPORATION YARD, WALLABOUT BASIN, FOOT OF HEWES STREET.

Time for completion of contract, on or before Dec. 31, 1915.

Security required, 30% of the amount for which the contract is awarded.

NO. 5—FOR FURNISHING AND DELIVERING 1,800 CU. YDS. OF BROKEN TRAP ROCK AND 1,200 CU. YDS. OF TRAP ROCK SCREENINGS, TO BE DELIVERED AS FOLLOWS:

1,000 cu. yds. stone and 400 cu. yds. screenings on Ocean Ave. between Ave. W and Emmons Ave.

400 cu. yds. stone and 400 cu. yds. screenings to Corporation Yard, 67th St., near 18th Ave.

400 cu. yds. stone and 400 cu. yds. screenings to Corporation Yard, Neck Road and Gravesend Ave.

Time for completion of contract, on or before Dec. 31, 1915.

Security required, 30% of the amount for which the contract is awarded.

NO. 6—FOR FURNISHING AND DELIVERING 97,646 FEET, BOARD MEASURE, OF YELLOW PINE AND SPRUCE LUMBER, TO BE DELIVERED AS FOLLOWS:

8,975 feet yellow pine and 188 ft. spruce to Corporation Yard, Wallabout Basin, foot of Hewes St.

57,800 ft. yellow pine and 933 ft. spruce to Corporation Yard, 67th St., near 18th Ave.

29,750 ft. yellow pine to Corporation Yard, Neck Road and Gravesend Ave.

Time for completion of contract, on or before Dec. 31, 1915.

Security required, 30% of the amount for which the contract is awarded.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per thousand, cu. yd., 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.*

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 Bureau of Highways, the Borough of Brooklyn, Room 502, No. 50 Court Street, Brooklyn.

L. H. POUNDS, President.

Dated July 12, 1915. jy16,28

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at Pier "A," foot of Battery Place, North River, Manhattan, until 12 o'clock noon on

THURSDAY, AUGUST 5, 1915,

CONTRACT NO. 1464.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR DREDGING DUMPING BOARDS OF THE DEPARTMENT OF STREET CLEANING, BOROUGHS OF MANHATTAN, THE BRONX AND BROOKLYN.

The time for the completion of the work and the full performance of the contract is on or before the expiration of Twenty calendar days.

The amount of security required is $1,200.00.

The bidder shall state, both in writing and in figures, a price per cubic yard for doing all of the work called for. The contract, if awarded, will be awarded to the bidder whose price per cubic yard is the lowest for doing all of the work called for 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 and the plans and drawings may be seen at the office of the said Department.

R. A. C. SMITH, Commissioner of Docks.

Dated July 23, 1915. jy24,a5

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at Pier "A," Foot of Battery Place, North River, until twelve o'clock noon, on

THURSDAY, AUGUST 5, 1915,

CONTRACT NO. 1460.

FOR FURNISHING AND DELIVERING PILES.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 90 calendar days.

The amount of security required shall be thirty (30) per cent. of the total amount for which the contract is awarded.

The security deposit to accompany bid shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The contract, if awarded, will be awarded by Items to the lowest bidder in 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 at the office of the said Department.

R. A. C. SMITH, Commissioner of Docks.

Dated July 22, 1915. jy24,a5

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at his office, Pier "A," foot of Battery Place, North River, Manhattan, until 12 o'clock noon on

WEDNESDAY, JULY 28, 1915,

CONTRACT NO. 1461.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING CEMENT, SAND AND BROKEN STONE.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 180 calendar days.

The amount of security required shall be thirty (30) per cent. of the total amount for which the contract is awarded.

The security deposit to accompany bid shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

Awards, if made, will be made in each item to the lowest bidder in the 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 at the office of the said Department.

R. A. C. SMITH, Commissioner of Docks.

Dated July 14, 1915. jy16,28

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF MANHATTAN.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at Room 2032, Municipal Building, New York City, until 2 o'clock P. M. on

TUESDAY, AUGUST 3, 1915,

FOR THE RELOCATION AND RECONSTRUCTION OF RECTOR STREET SEWER.

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:

301 linear feet of 4' 0" Circular Brick Sewer, complete.

674 linear feet of 3' 0" Circular Barrel Sewer, complete.

8 Spurs for house connections.

4 Manholes, complete.

10,000 feet B. M. of Timber and Planking for Bracing and Sheeting.

12,000 feet B. M. of Timber and Planking for Foundation.

2,000 linear feet of Piles.

1 Box Overflow, complete.

The time allowed for constructing and completing the Sewer and Appurtenances will be One hundred (100) consecutive working days.

The amount of security required will be Seven Thousand Dollars ($7,000) and the amount of deposit accompanying the bid shall be five per cent. (5%) of the amount of security.

The bidder will state the price for 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 bid will be tested. The contract, if awarded, will be awarded for the whole work at a lump sum.

Blank forms may be had and the plans and drawings may be seen at the offices of the Commissioner of Public Works, Municipal Building, Bureau of Sewers, Room 2103, Borough of Manhattan. MARCUS M. MARKS, President.

July 23, 1915. jy23,a3

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at Room 2032, Municipal Building, until 2 o'clock p. m., on

TUESDAY, AUGUST 3, 1915,

NO. 1. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 25TH STREET FROM THE WEST SIDE OF SEVENTH AVENUE TO THE EAST SIDE OF EIGHTH AVENUE, TOGETHER WITH ALL WOR INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

5 cu. yds. Earth Excavation for sewer appurtenances.

5 cu. yds. Rock Excavation for sewer appurtenances.

5 cu. yds. Backfilling in excavation for sewer appurtenances.

620 lin. ft. New 5-inch Bluestone Curbstone.

10 lin. ft. New 6-inch Granite Corner Curbstone.

620 lin. ft. Old Curb redressed.

10 sq. ft. Concrete Sidewalk, Class A.

20 lin. ft. Granite Headers.

10 lin. ft. Granite Headers reset.

500 cu. yds. Concrete.

2,620 sq. yds. Sheet Asphalt Pavement.

4 Sewer Manhole Heads.

5 Covers for Sewer Manholes.

1 Ring for Sewer Manhole.

3 cu. yds. Brick Masonry.

1 Sluice Basin, Type B.

20 lin. ft. Vitrified Pipe, 12-inch diam.

1,000 ft. B. M. Planking on Concrete.

The time allowed for doing and completing the above work will be twenty-five (25) consecutive working days.

The amount of security required will be $1,500, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 2. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 55TH STREET FROM WEST SIDE THIRD AVENUE TO THE EAST SIDE OF PARK AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

20 cu. yds. Earth Excavation for sewer appurtenances.

20 cu. yds. Rock Excavation for sewer appurtenances.

20 cu. yds. Backfilling in excavation for sewer appurtenances.

770 lin. ft. New 5-inch Bluestone Curbstone.

770 lin. ft. Old Curb redressed.

540 cu. yds. Concrete.

2,760 sq. yds. Sheet Asphalt Pavement.

40 sq. yds. Sheet Asphalt Pavement in Approaches.

4 Sewer Manhole Heads.

6 Covers for Sewer Manholes.

2 Rings for Sewer Manholes.

3 cu. yds. Brick Masonry.

1 Sluice Basin, Type A.

3 Sluice Basins, Type B.

50 lin. ft. Vitrified Pipe, 12-inch diam.

2,500 ft. B. M. Planking on concrete.

The time allowed for doing and completing the above work will be twenty-three (23) consecutive working days.

The amount of security required will be $2,000, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 3. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 55TH STREET FROM WEST SIDE SIXTH AVENUE TO THE EAST SIDE SEVENTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

10 cu. yds. Earth Excavation for sewer appurtenances.

10 cu. yds. Rock Excavation for sewer appurtenances.

10 cu. yds. Backfilling in excavation for sewer appurtenances.

620 lin. ft. New 5-inch Bluestone Curbstone.

810 lin. ft. Old Curb redressed.

10 sq. ft. Concrete Sidewalk, Class A.

30 lin. ft. Granite Headers.

510 cu. yds. Concrete.

2,600 sq. yds. Sheet Asphalt Pavement.

10 sq. yds. Sheet Asphalt Pavement in Approaches.

3 Sewer Manhole Heads.

1 Ring for Sewer Manhole.

1 Cover for Sewer Manhole.

3 cu. yds. Brick Masonry.

1 Sluice Basin, Type B.

20 lin. ft. Vitrified Pipe, 12-inch diam.

1,000 ft. B. M. Planking on Concrete.

The time allowed for doing and completing the above work will be twenty-four (24) consecutive working days.

The amount of security required will be $2,000, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 4. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 64TH STREET FROM WEST SIDE OF PARK AVENUE TO THE EAST SIDE FIFTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

10 cu. yds. Earth Excavation for sewer appurtenances.

10 cu. yds. Rock Excavation for sewer appurtenances.

10 cu. yds. Backfilling in excavation for sewer appurtenances.

1,060 lin. ft. New 5-inch Bluestone Curbstone.

60 lin. ft. New 6-inch Granite Corner Curbstone.

350 lin. ft. Old Curb redressed.

10 sq. ft. Concrete Sidewalk, Class A.

530 cu. yds. Concrete.

2,750 sq. yds. Sheet Asphalt Pavement.

6 Sewer Manhole Heads.

7 Covers for Sewer Manholes.

1 Ring for Sewer Manhole.

3 cu. yds. Brick Masonry.

1 Receiving Basin remodeled.

1 Sluice Basin, Type A.

1 Sluice Basin, Type B.

30 lin. ft. Vitrified Pipe, 12-inch diam.

2,000 ft. B. M. Planking on concrete.

The time allowed for doing and completing the above work will be twenty-five (25) consecutive working days.

The amount of security required will be $1,500, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 5. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 67TH STREET FROM WEST SIDE PARK AVENUE TO THE EAST SIDE OF FIFTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

15 cu. yds. Earth Excavation for sewer appurtenances.

10 cu. yds. Rock Excavation for sewer appurtenances.

10 cu. yds. Backfilling in excavation for sewer appurtenances.

1,100 lin. ft. New 5-inch Bluestone Curbstone.

80 lin. ft. New 6-inch Granite Corner Curbstone.

100 lin. ft. Old Curb redressed.

10 sq. ft. Concrete Sidewalk, Class A.

520 cu. yds. Concrete.

2,770 sq. yds. Sheet Asphalt Pavement.

3 Sewer Manhole Heads.

4 Covers for Sewer Manholes.

1 Ring for Sewer Manhole.

3 cubic yards Brick Masonry.

1 Receiving Basin remodeled.

1 Sluice Basin, Type A.

2 Sluice Basins, Type B.

50 lin. ft. Vitrified Pipe, 12-inch diam.

2,000 ft. B. M. Planking on Concrete.

The time allowed for the completion of the above work will be twenty-five (25) consecutive working days.

The amount of security required will be $2,500, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 6. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 80TH STREET FROM THE WEST SIDE LEXINGTON AVENUE TO THE EAST SIDE OF FIFTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

30 cu. yds. Earth Excavation for sewer appurtenances.

20 cu. yds. Rock Excavation for sewer appurtenances.

30 cu. yds. Backfilling in excavation for sewer appurtenances.

1,490 lin. ft. New 5-inch Bluestone Curbstone.

160 lin. ft. New 6-inch Granite Corner Curbstone.

750 lin. ft. Curb redressed.

10 sq. ft. Concrete Sidewalk, Class A.

840 cu. yds. Concrete.

4,120 sq. yds. Sheet Asphalt Pavement.

280 sq. yds. Sheet Asphalt Pavement in Approaches.

7 Sewer Manhole Heads.

10 Covers for Sewer Manholes.

3 Rings for Sewer Manholes.

3 cu. yds. Brick Masonry.

3 Receiving Basins remodeled.

1 Sluice Basin, Type A.

5 Sluice Basins, Type B.

80 lin. ft. Vitrified Pipe, 12-inch diam.

2,500 ft. B. M. Planking on Concrete.

The time allowed for doing and completing the above work will be twenty-eight (28) consecutive working days.

The amount of security required will be $3,000, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 7. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 85TH STREET FROM FIRST AVENUE TO PARK AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

30 cu. yds. Earth Excavation for sewer appurtenances.

30 cu. yds. Rock Excavation for sewer appurtenances.

30 cu. yds. Backfilling in excavation for sewer appurtenances.

2,510 lin. ft. New 5-inch Bluestone Curbstone.

40 lin. ft. New 6-inch Granite Corner Curbstone.

1,680 lin. ft. Old Curb, redressed.

1,420 cu. yds. Concrete.

7,090 sq. yds. Sheet Asphalt Pavement.

100 sq. yds. Granite Block Pavement in Approaches.

10 Sewer Manhole Heads.

12 Covers for Sewer Manholes.

2 Rings for Sewer Manholes.

3 cu. yds. Brick Masonry.

1 Sluice Basin, Type A.

5 Sluice Basins, Type B.

100 lin. ft. Vitrified Pipe, 12-inch diam.

2,500 ft. B. M. Planking on concrete.

The time allowed for the full completion of the work described will be thirty-four (34) consecutive working days.

The amount of security required will be $5,000, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 8. FOR RECONSTRUCTION OF SIDEWALKS: CATHEDRAL PARKWAY (WEST 110TH STREET) FROM SEVENTH AVENUE TO EIGHTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

2,000 cu. yds. Excavation of all kinds.

2,500 cu. yds. Filling.

10 lin. ft. New 5-inch Bluestone Curbstone.

200 lin. ft. Old Curb redressed.

2,000 sq. ft. Concrete Sidewalk, Class A.

5 cu. yds. Rubble Masonry in mortar.

10 cu. yds. Class B Concrete.

15,000 ft. B. M. Timber Planking for Sheeting and Bracing.

5 cu. yds. Brick Masonry.

The time allowed for the full completion of the above work will be twenty (20) consecutive working days.

The amount of security required will be $1,000, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

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 articles, 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, Bureau of Highways, Room 2124, Municipal Building, Borough of Manhattan.

MARCUS M. MARKS, President.

July 23, 1915. jy23,a3

☞See General Instructions to Bidders on last page, last column, of the "City Record."

MUNICIPAL CIVIL SERVICE COMMISSION.

Proposed Amendments to Rules and Classification.

PUBLIC NOTICE IS HEREBY GIVEN OF the following proposed amendments to the Municipal Civil Service Rules and Classification:

1. By changing clause 2 of Rule XI. to read as follows:

"2. The person selected shall be duly notified by the appointing officer, and, upon accepting and reporting for duty, shall receive from such officer a certificate of appointment for a probationary period of three months, except for the position of patrolman, where such period shall be six months. For temporary service in accordance with clause 1 of Rule XII., such certificates of appointment shall be issued for a probationary period of fifteen days. For temporary service in accordance with clause 2 of Rule XII., such certificates of appointment shall be issued for a probationary period of one month. If his conduct or capacity on probation be unsatisfactory to the appointing officer the probationer shall be notified in writing that at the end of such period he shall, for that reason, not be retained; his retention in the service otherwise shall be equivalent to permanent appointment. Veterans of the Civil War, honorably discharged from the military or the naval service of the United States, shall not be subject to such probation."

2. By changing the first paragraph of clause 2 of Rule XII. to read as follows:

"2. The Commission shall establish and maintain separate eligible lists of persons willing to accept temporary employment as clerk, playground attendant, gymnasium attendant, school farm attendant, gardener, typewriter accountant and attendant, under the conditions of the preceding clause. If the appointing officer shall certify that the services of a person appointed from any such list have been satisfactory, the name of such person shall, at the termination of such temporary employment, be placed on a preferred list, from which he shall be eligible for re-employment for any similar service under the conditions of clause 1 of Rule XIII., provided he shall have served for not less than the probationary period as required by the provisions of Rule XI., clause 2."

3. By striking from the exempt class, under the heading "Police Department," the line

"4 *Deputy Commissioners,*"

and substituting therefor the following:

"5 *Deputy Commissioners.*"

PUBLIC HEARINGS WILL BE ALLOWED on the proposed amendments, in accordance with Rule III., at the request of any interested persons, at the Commission's offices, Room 1443, Municipal Building, on

WEDNESDAY, JULY 28, 1915,

at 10.30 o'clock A. M.

jy26,28 ROBERT W. BELCHER, Secretary.

Notices of Examinations.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, New York City, from

TUESDAY, JULY 27, 1915, TO TUESDAY, AUGUST 10, 1915,

for the position of

TRADE INSTRUCTOR, DEPARTMENT OF PUBLIC CHARITIES.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M., TUESDAY, AUGUST 10, 1915, will be accepted. Application blanks will be mailed upon request provided a self-addressed stamped envelope or sufficient postage is enclosed to cover the mailing, but the Commission will not guarantee the delivery of the same. *Applications forwarded by mail, upon which postage is not fully prepaid, will not be accepted.*

Applicants must be citizens of the United States and residents of the State of New York.

The subjects and weights of the examination are: Experience, 2; Written Test, 4; 70% required; Practical Test, 4; 70% required.

DUTIES.

To instruct and direct inmates of the institutions in the Department of Public Charities in the trades of basket making, mat making, broom making, mattress making and chair caning; to maintain proper discipline among the inmates assigned for instruction and supervision while employed at the trades; to be responsible for the proper care and use of the raw materials furnished for making the various articles under the supervision of the Trade Instructor.

REQUIREMENTS.

A general education satisfactory to the Commission and pactical experience as mechanics or instructors in the above trades, or the completion of a satisfactory course of instruction in manual training subjects in an educational institution or manufacturing establishment of recognized standing, or its equivalent.

Candidates will be required to take a practical test as evidence of their manual skill and knowledge of and ability to teach basket making, mat making, broom making, mattress making and chair caning.

A qualifying physical examination will be held. Candidates failing to pass the physical examination will not be summoned for the practical test. Those who receive less than 70 per cent. on the practical test will not be summoned for the written examination.

Applications for this examination must be filed on a special blank, Form C. Experience blanks will be issued with the applications, and must be filed with the Commission at the time of filing applications.

The minimum age is 21 years. The salary is $900 per annum with maintenance. Vacancies occur from time to time.

jy27,a10 ROBERT W. BELCHER, Secretary.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, New York City, from

FRIDAY, JULY 23, 1915, TO FRIDAY, AUGUST 6, 1915,

for the position of

STENOTYPIST, GRADES 2 AND 3.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M., FRIDAY, AUGUST 6, 1915, will be accepted. Application blanks will be mailed upon request provided a self-addressed stamped envelope or sufficient postage is enclosed to cover the mailing. The Commission will not guarantee the delivery of the same. *Applications forwarded by mail upon which full postage is not prepaid will not be accepted.*

Applicants must be citizens of the United States and residents of the State of New York.

The subjects and weights of the examination are: Spelling, 1; Copying from plain copy on typewriter, 1; 70% required; Transcribing stenotype notes, 2; 70% required; Speed in taking dictation on stenotype, 2; 70% required; Accuracy in transcribing dictation on typewriter, 4; 70% required. 70% General Average Required.

Stenotypists in the service of the City are required to take notes of dictations, hearings and examinations on the stenotype machine, and to transcribe these notes on the typewriter. They may be required also to copy from plain copy on the typewriter and in some offices to use the dictaphone.

The examination will be held on two days. On the first day the candidates will be given a test in spelling, consisting of twenty words; a test in copying three hundred words from plain copy on the typewriter in five minutes, and a test in copying three hundred words on the typewriter from stenotype notes furnished to the candidates by the Commission. Candidates who fail to receive at least 70% in the test of copying from plain copy, and at least 70% in the test of copying from stentoype notes will not be summoned for the second day of the examination.

On the second day four dictations will be given, to be taken by the candidates on the stenotype machine and transcribed on the typewriter. Each dictation will be two minutes in length. The first dictation will be given at one hundred and thirty words per minute, the second at one hundred and forty words per minute, the third at one hundred and fifty words per minute, and the fourth at one hundred and sixty words per minute. The speed rating for the first will be 70%; for the second, 80%; for the third, 90%, and for the fourth, 100%. The accuracy mark will depend upon correctness, neatness, freedom from erasures, completeness and general excellence of appearance.

The names of all candidates who receive a final average rating of 70% or more will be placed on the eligible list for the position of 2nd Grade Stenotypist. The names of all candidates who receive a rating of 85% or more will also be placed on the eligible list for the position of 3rd Grade Stenotypist.

On the first day of the examination candidates must furnish their own typewriting machines, pens and ink. On the second day of the examination candidates must furnish their own typewriting machines, stenotype machines, stenotype paper, pens and ink. The Commission will not at any time or in any way be responsible for typewriting or stenotype machines, nor will any allowance be made where they are missing, late in arriving, defective, or out of order on the day of the examination.

The minimum age is seventeen years. There is a vacancy in the office of the Municipal Civil Service Commission, and a vacancy in the Department of Finance. Other vacancies are likely to occur from time to time. The salary for the 2nd Grade is from $600 to, but not including, $1,200, and for the 3rd Grade from $1,200 to, but not including, $1,800.

A physical qualifying examination will precede the mental examination. The date of the physical examination and the dates of the mental examinations will be announced later.

jy23,a6 ROBERT W. BELCHER, Secretary.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received

FROM THURSDAY, AUGUST 5, 1915,

at 2 p. m., and continuing thereafter until further notice, for the position of

CRANEMAN (ELECTRIC), PART III,

at the office of the Application Bureau (Labor Class) in Room 1400, Municipal Building.

Applicants should have had actual experience in the operation of electrically driven locomotive cranes, overhead traveling cranes, hoisting engines, or similar apparatus requiring movements in at least three directions and including reversings. They must be able to judge speed and distances.

Applicants must be citizens of the United States and residents of the State of New York. Proof of naturalization must accompany application. Applicants must submit proof of date of birth when filing application.

A Practical as well as a Physical test will be held.

Applicants must present themselves in person when filing applications on Thursday, August 5, 1915, as no applications will be received by mail on that day. After August 5, 1915, application blanks will be mailed upon request, provided a self-addressed stamped envelope or proper postage is enclosed with the request, but the Commission will not guarantee the delivery of the same. Applications forwarded by mail upon which full postage is not prepaid will not be accepted.

Candidates must be not less than 21 years of age and not over 40 at the time of filing applications.

The salary is $900 per annum.

There are three vacancies in the Department of Street Cleaning.

jy22,a5 ROBERT W. BELCHER, Secretary.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, New York City, from

WEDNESDAY, JULY 21, 1915, TO WEDNESDAY, AUGUST 4, 1915,

for the position of

NURSE, FEMALE (TEMPORARY WORK).

No applications delivered at the office of the Commission by mail or otherwise after 4 P. M. WEDNESDAY, AUGUST 4, 1915, will be accepted. Application blanks will be mailed upon request provided a self-addressed stamped envelope or sufficient postage is enclosed to cover the mailing. The Commission will not guarantee the delivery of the same. *Applications forwarded by mail upon which full postage is not prepaid will not be accepted.*

The requirement that applicants must be citizens of the United States and residents of the State of New York is waived for this examination. Persons who accept appointment must thereafter reside in the State of New York. 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.

The subjects and weights of the examination are: Experience, 4; Duties, 6; 70% required. 70% general average required.

A physical qualifying examination will be given.

Requirements: Candidates are required to be registered nurses of the State of New York and must furnish proof of registration when filing applications.

Applications for this examination must be filed on a special blank, Form B. Experience blanks will be issued with the applications and must be filed with the Commission at the time of filing applications.

Minimum age, 21 years to 40 years. The usual salary is $900 per annum.

There are a number of vacancies for temporary work in the Health Department.

The requirement of paragraph 12 of Rule VII, that no person who has entered any examination for appointment to a competitive position and failed, or who has withdrawn from an examination, shall be admitted within nine months from the date of such examination to a new examination for the same position, is waived for this examination.

jy21,a4 ROBERT W. BELCHER, Secretary.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, New York City, from

TUESDAY, JULY 20, 1915, TO TUESDAY, AUGUST 3, 1915,

for the position of

PATHOLOGICAL CHEMIST.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. TUESDAY, AUGUST 3, 1915, will be accepted. Application blanks will be mailed upon request, provided a self-addressed, stamped envelope is enclosed or sufficient postage to cover the mailing, but the Commission will not guarantee the delivery of the same. *Applications forwarded by mail upon which postage is not fully prepaid will not be accepted.*

Applicants must be citizens of the United States. Persons who accept appointment must thereafter reside in the State of New York.

The subjects and weights of the examination are as follows: Technical, 5; Experience, 5. 75% is required on the technical and 70% on experience.

Candidates will not be assembled for the Technical examination.

Applications for this examination must be filed on a special blank, Form C, with insert. Experience blanks will be issued with the applications and must be filed with the Commission at the time of filing applications. The experience paper will then be rated. Candidates receiving less than 70% on the experience paper will not be summoned for the remainder of the examination.

Candidates must have the degree of M. D. or Ph. D. or their equivalent from a college of recognized standing, and in addition at least two years' experience in original research work. Due consideration will be given to satisfactory evidence of successful management of a scientific laboratory or any branch thereof. Bellevue Hospital offers opportunity for original research.

A physical examination will be held. Minimum age, 21 years; salary, $2,500 per annum.

There is one vacancy in Bellevue and Allied Hospitals.

The requirement of paragraph 12 of Rule VII, that no person who has entered any examination for appointment to a competitive position and failed, or who has withdrawn from an examination, shall be admitted within nine months from the date of such examination to a new examination for the same position, is waived for this examination. R. W. BELCHER, Secretary.

jy20,a3

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, New York City, from

MONDAY, JULY 19, 1915, TO MONDAY, AUGUST 2, 1915,

for the position of

FIREMAN, FIRE DEPARTMENT.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. MONDAY, AUGUST 2, 1915, will be accepted.

The subjects and weights of the examination are as follows: Physical Development and strength, 50 per cent.; mental test, 50 per cent. Mental test: Memory Test, 3; arithmetic, 2; government and elementary duties, 5.

70% required on mental examination; 70 per cent. required on physical development; 70 per cent. required on strength; 70 per cent. required on all.

A candidate to be eligible for appointment must obtain an average of not less than 70% on the mental test and 70% on the physical development and strength. Candidates who obtain an average of over 80% on physical development and strength and a final average of 75% shall also be eligible for appointment.

Applications will be received from persons who are twenty-one (21) years of age on or before the date of the mental examination. Applications will not be received from persons who are more than twenty-nine (29) years of age on the date of filing applications. 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 applications.

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.

Applicants must not be less than 5 feet 7 inches in height.

Applicants will be notified later of the date of the physical examination.

The mental examination will be held TUESDAY, NOVEMBER 16, 1915.

Applications can be had at the Municipal Building, Room 1400.

Application blanks will be mailed upon request provided a self-addressed stamped envelope accompanies the request, but the Commission will not guarantee the delivery of blanks.

Owing to the introduction of motor apparatus, the Fire Department is in urgent need of men qualified to operate motor trucks or other motor vehicles. The attention of such persons is especially called to this examination.

jy19,a2 ROBERT W. BELCHER, Secretary.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, New York City, from

THURSDAY, JULY 15, 1915, TO THURSDAY, JULY 29, 1915,

for the position of

TYPEWRITING COPYIST, GRADE 2, MALE.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. THURSDAY, JULY 29, 1915, will be accepted. Application blanks will be mailed upon request provided a self-addressed stamped envelope or sufficient postage is enclosed to cover the mailing. The Commission will not guarantee the delivery of the same. *Applications forwarded by mail upon which full postage is not prepaid will not be accepted.*

Applicants must be citizens of the United States and residents of the State of New York.

The subjects and weights of the examination are: Speed Test, 6; 70% required; Tabulation, 3; Arithmetic, 1. 70% general average required.

The Speed Test will consist of the copying of a mimeographed passage on the typewriting machine, and both the correctness and the rapidity of the candidate will be considered in this test. In rating the correctness of the exercise the exactness, form, neatness, freedom from interlineation and alterations, etc., will be considered. In the exercise in tabulation the candidates will be required to present in typewritten tabular form narrative matter given to them for this purpose. Both the neatness and the excellence of the work in this exercise will be considered, but no credit will be given for the rapidity with which this exercise is performed.

Candidates must furnish their own typewriting machines, pens and ink. The Commission will not, at any time or in any way, be responsible for machines, nor will any allowance be made where they are missing, late in arriving, defective or out of order on the day of the examination.

The minimum age is seventeen years. Vacancies occur constantly. The salary is from $600 to $1,200 per annum.

A physical qualifying examination will precede the mental examination. The dates of the physical and mental examinations will be announced later. ROBERT W. BELCHER, Secretary.

jy15,29

Amended Notice.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received

FROM WEDNESDAY, AUGUST 4, 1915,

at 2:00 P. M. and continuing thereafter until further notice for the position of

AUTOMOBILE ENGINEMAN (WITH KNOWLEDGE OF HOISTING APPARATUS FOR SEWAGE DISPOSAL), PART II,

at the office of the Application Bureau (Labor Class) in Room 1400, Municipal Building.

Skill in the technical operation of auto hoisting apparatus is essential.

Candidates must present New York State Chauffeur's License at the time of filing applications. They must be of good physique and willing to handle sewage retainers.

A practical test will be held. A preliminary physical test will be given.

Applicants must present themselves in person when filing applications on WEDNESDAY, AUGUST 4, 1915, as no applications will be received by mail on that day. After August 4, 1915, application blanks will be mailed upon request, provided a self-addressed stamped envelope or proper postage is enclosed with the request, but the Commission will not guarantee the delivery of the same. Applications forwarded by mail upon which full postage is not prepaid will not be accepted.

Applicants must be citizens of the United States and residents of the State of New York. Proof of naturalization must accompany application. Applicants must submit proof of date of birth when filing applications.

Candidates must be not less than 21 years of age and not over 45 at the time of filing applications.

The salary is $1,200 per annum.

There is one vacancy in the Office of the President of the Borough of the Bronx.

jy21,a4 ROBERT W. BELCHER, Secretary.

BOROUGH OF THE BRONX.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of The Bronx, at his office, Municipal Building, Crotona Park, 177th St. and 3rd Ave., until 10.30 a. m., on

TUESDAY, AUGUST 3, 1915.

NO. 1. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES WHERE NECESSARY IN BAKER AVENUE, FROM GARFIELD STREET TO WHITE PLAINS AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

150 Cubic Yards Excavation of all kinds.
6,200 Cubic Yards Filling.
1,075 Linear Feet of New Curb.
5,380 Square Feet Concrete sidewalk (including maintenance for one year).
1,075 Cubic Yards Dry Rubble Masonry.
100 Linear Feet Vitrified pipe, 12 inches in diameter.
1,000 Feet B. M. Timber.
850 Linear Feet New Guard Rail.
2 Receiving Basins, Type B.
10 Cubic Yards Brick Masonry.

The time allowed for the full completion of the work herein described will be 70 consecutive working days.

The amount of security required will be Two thousand nine hundred Dollars ($2,900).

NO. 2. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES WHERE NECESSARY IN VICTOR STREET, FROM VAN NEST AVENUE TO RHINELANDER AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

1,800 Cubic Yards Earth Excavation.
550 Cubic Yards Rock Excavation.
6,000 Cubic Yards Filling.
2,450 Linear Feet New Curb.
70 Linear Feet Old Curb.
10,600 Square Feet Concrete sidewalk (including maintenance for One Year).
90 Square Feet New Bridgestone.
500 Cubic Yards Dry Rubble Masonry.
65 Cubic Yards Class A Concrete.
10 Linear Feet Vitrified pipe, 12 inches in diameter.
1,000 Feet B. M. Timber.
850 Linear Feet Guard Rail.
3,600 Pounds Steel Reinforcement Bars.
1 Receiving Basin, Type B.
15 Cubic Yards Brick Masonry.

The time allowed for the full completion of the work herein described will be 100 consecutive working days.

The amount of security required will be Four thousand dollars ($4,000).

NO. 3. FOR REPAVING WITH REDRESSED GRANITE BLOCKS ON A CONCRETE FOUNDATION THE ROADWAY OF WEBSTER AVENUE, FROM CLAREMONT PARKWAY TO EAST 178TH STREET, AND SETTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

16,150 Square Yards Redressed Granite Block Pavement on a concrete foundation laid with cement grout joints, outside of railroad area, and keeping the pavement in repair for One Year from date of acceptance.
8,800 Square Yards Redressed Granite Block Pavement on a concrete foundation laid with cement grout joints, in railroad area.
4,360 Cubic Yards Class B Concrete.
3,800 Linear Feet of New Curb.
2,700 Linear Feet of Old Curb.

The time allowed for the full completion of the work herein described will be 100 consecutive working days.

The amount of security required will be Twenty-five thousand five hundred Dollars ($25,500).

NO. 4. FOR PAVING WITH BITUMINOUS CONCRETE ON A CEMENT CONCRETE FOUNDATION THE ROADWAY OF BENEDICT AVENUE, FROM STORROW STREET TO PUGSLEY AVENUE, ADJUSTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO. (PRELIMINARY PAVEMENT.)

The Engineer's estimate of the work is as follows:

2,575 Square Yards Bituminous Concrete Pavement, and keeping the pavement in repair for Five Years from date of acceptance.
290 Cubic Yards of Class B Concrete.
500 Linear Feet of Curbstone, adjusted.

The time allowed for the full completion of the work herein described will be 20 consecutive working days.

The amount of security required will be One thousand seven hundred Dollars ($1,700).

NO. 5. FOR PAVING WITH BITUMINOUS CONCRETE ON A CEMENT CONCRETE FOUNDATION THE ROADWAY OF MANIDA STREET, FROM GARRISON AVENUE TO LAFAYETTE AVENUE, AND SETTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO. (PRELIMINARY PAVEMENT.)

The Engineer's estimate of the work is as follows:

2,690 Square Yards of Bituminous Concrete Pavement, and keeping the pavement in repair for Five Years from date of acceptance.
150 Cubic Yards of Class B Concrete.
1,600 Linear Feet of New Curb.
40 Linear feet of Old Curb.

The time allowed for the full completion of the work herein described will be 25 consecutive working days.

The amount of security required will be Two thousand dollars ($2,000).

NO. 6. FOR REPAVING WITH SHEET ASPHALT AND REDRESSED GRANITE BLOCKS ON A CONCRETE FOUNDATION THE ROADWAY OF MOTT AVENUE, FROM EAST 138TH STREET TO THE BRIDGE OVER THE TRACKS OF THE N. Y. C. & H. R. R. R. NORTH OF EAST 151ST STREET, AND SETTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

13,100 Square Yards of Sheet Asphalt Pavement (Medium Traffic Mixture) and keeping the pavement in repair for Five Years from date of acceptance.
390 Square Yards Redressed Granite Block Pavement outside of Railroad Area, and keeping the pavement in repair for One Year from date of acceptance.
180 Square Yards Redressed Granite Block Pavement in Railroad Area.
2,490 Cubic Yards of Class B Concrete.
1,000 Linear Feet of New Curb.
2,910 Linear Feet of Old Curb.

The time allowed for the full completion of the work herein described will be 70 consecutive working days.

The amount of security required will be Twelve thousand seven hundred dollars ($12,700).

NO. 7. FOR REPAVING WITH GRANITE BLOCKS AND SHEET ASPHALT ON A CONCRETE FOUNDATION PORTIONS OF THE ROADWAY OF WHITE PLAINS ROAD, FROM EAST 227TH STREET TO A POINT ABOUT 100 FEET NORTH OF EAST 241ST STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

1,900 Square Yards Sheet Asphalt Pavement (Medium Traffic Mixture), not to be kept in repair.
4,410 Square Yards Granite Block Pavement, outside of railroad area, and keeping the pavement in repair for One Year from date of acceptance.
2,650 Square Yards Granite Block Pavement in railroad area.
1,430 Cubic Yards Class B Concrete.

The time allowed for the full completion of the work herein described will be 75 consecutive working days.

The amount of security required will be Thirteen thousand Dollars ($13,000).

NO. 8. FOR FURNISHING AND DELIVERING 350 TONS OF ASPHALTIC CEMENT.

The time allowed for the performance of the contract is on or before December 31, 1915.

The amount of security for the performance of the contract shall be thirty (30) per cent. of the total amount for which the contract is awarded.

NO. 9. FOR FURNISHING AND DELIVERING 1,500 CUBIC YARDS OF ASPHALTIC WEARING SURFACE SAND.

The time allowed for the performance of the contract is on or before December 31, 1915.

The amount of security for the performance of the contract shall be thirty (30) per cent. of the total amount for which the contract is awarded.

NO. 10. FOR FURNISHING AND DELIVERING 350 TONS OF LIMESTONE DUST.

The time allowed for the performance of the contract is on or before December 31, 1915.

The amount of security for the performance of the contract shall be thirty (30) per cent. of the total amount for which the contract is awarded.

Blank forms of bids or estimates upon which bids must be made can be obtained upon application therefor, the plans and specifications may be seen and other information obtained at said office. DOUGLAS MATHEWSON, President.

j22,a3

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF QUEENS.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at third floor of Borough Hall, 5th Street and Jackson Avenue, Long Island City, Borough of Queens, until 11.00 A. M. on

WEDNESDAY, JULY 28, 1915,

NO. 1: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN CEDAR AVENUE FROM JAMAICA AVENUE TO SCOTT STREET, FOURTH WARD.

The Engineer's estimate of the quantities is as follows:

372 Lin. Ft. 20-inch Vitrified salt-glazed pipe sewer.

1,201 Lin. Ft. 12-inch Vitrified salt-glazed pipe sewer.

13 Manholes, complete.

2 Single receiving basins, complete.

60 Lin. Ft. 12-inch Vitrified salt-glazed pipe for basin connections.

16 Spurs on 20-inch Vitrified pipe sewer.

113 Spurs on 12-inch Vitrified pipe sewer.

915 Lin. Ft. 6-inch Vitrified salt-glazed pipe for house connection drains.

The time allowed for completing the above work will be forty-five (45) working days.

The amount of security required will be Two Thousand Six Hundred ($2,600.00) Dollars.

NO. 2: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN CEDAR AVENUE FROM BEAUFORT AVENUE TO CHICHESTER AVENUE, FOURTH WARD.

The Engineer's estimate of the quantities is as follows:

462 Lin. Ft. 12-inch Vitrified salt-glazed pipe sewer.

4 Manholes, complete.

31 Spurs on 12-inch Vitrified pipe sewer.

255 Lin. Ft. 6-inch Vitrified salt-glazed pipe for house connection drains.

The time allowed for completing the above work will be twenty (20) working days.

The amount of security required will be Six Hundred ($600.00) Dollars.

NO. 3: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN WOODMERE PLACE FROM FREEDOM AVENUE TO THE ROCKAWAY BEACH BRANCH OF THE LONG ISLAND RAILROAD, FOURTH WARD.

The Engineer's estimate of the quantities is as follows:

372 Lin. Ft. 12-inch Vitrified salt-glazed pipe sewer.

3 Manholes, complete.

22 Spurs on 12-inch Vitrified salt-glazed pipe sewer.

210 Lin. Ft. 6-inch Vitrified salt-glazed pipe for house connection drains.

The time allowed for completing the above work will be twenty (20) working days.

The amount of security required will be Four Hundred and Fifty ($450.00) Dollars.

NO. 4: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN BRIGGS AVENUE (PARK STREET) FROM JAMAICA AVENUE TO MYRTLE AVENUE, AND IN MYRTLE AVENUE FROM PARK STREET TO HAMILTON AVENUE, FOURTH WARD.

The Engineer's estimate of the quantities is as follows:

701 Lin. Ft. 12-inch Vitrified salt-glazed pipe sewer.

6 Manholes, complete.

1 Single receiving basin, complete.

20 Lin. Ft. 12-inch Vitrified salt-glazed pipe for basin connections.

36 Spurs on 12-inch Vitrified salt-glazed pipe sewer.

306 Lin. Ft. 6-inch Vitrified salt-glazed pipe for house connection drains.

2,000 Feet B. M. Timber for bracing and sheet piling.

The time allowed for completing the above work will be forty (40) working days.

The amount of security required will be Sixteen Hundred ($1,600.00) Dollars.

NO. 5: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN ATLANTIC AVENUE FROM MAURE AVENUE TO SPRUCE STREET, AND IN SOUTH SIDE OF ATLANTIC AVENUE FROM SPRUCE STREET TO BIRCH STREET, FOURTH WARD.

The Engineer's estimate of the quantities is as follows:

1,230 Lin. Ft. 7′ 0″ Reinforced concrete sewer.

877 Lin. Ft. 4′ 0″ Concrete sewer.

12 Manholes. Complete.

1 Junction chamber, Maure and Atlantic Avenues, including manhole, complete.

1 Cleaning shaft, Complete.

44 Six-inch spurs, 24 inches long, on concrete sewers.

42 Lin. Ft. 6-inch pipe for house connection drains.

132,000 Feet B. M. Timber for sheeting and bracing.

25 Cubic Yards Class A Concrete, not shown on plan.

2,000 Lbs. steel reinforcement, not shown on plan.

200 Lin. Ft. risers for house connection drains, including Y's.

24 Lin. Ft. 12-inch Vitrified pipe sewer.

The time allowed for the completion of the above work will be one hundred and forty (140) working days.

The amount of security required will be Twenty-four Thousand ($24,000.00) Dollars.

The bidder must state the price of each item or article contained in the specifications contained, or hereinafter annexed, per square yard, per linear foot, 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. Blank forms may be obtained and the plans or drawings may be seen at the Office of the President of the Borough of Queens.

Dated, July 17th, 1915.

MAURICE E. CONNOLLY, President.

jy17,28

☞**See General Instructions to Bidders on last page, last column, of the "City Record."**

SUPREME COURT — FIRST DEPARTMENT.

Filing Bill of Costs.

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 156TH STREET, from Southern Boulevard to Truxton Street; and of TRUXTON STREET, from Leggett Avenue to Longwood Avenue, in the 23rd Ward, Borough of The Bronx, City of New York, as amended and corrected by an order of the Supreme Court, State of New York, First Department, dated September 15, 1914, and entered in the office of the Clerk of the County of Bronx on September 17, 1914, so as to relate to East 156th Street, from Southern Boulevard to Worthen Street, excluding the right-of-way of the New York, New Haven and Hartford Railroad, and Truxton Street, from Leggett Avenue to Longwood Avenue, as said Truxton Street and East 156th Street are shown upon a map or plan adopted by the Board of Estimate and Apportionment October 17, 1912, and approved by the Mayor October 24, 1912, and also to relate to Truxton Street, from Leggett Avenue to Longwood Avenue, and East 156th Street, from Southern Boulevard to the westerly property line of the New York, New Haven and Hartford Railroad, and from Garrison Avenue to Worthen Street.

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 4th day of August, 1915, 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, New York, July 22nd, 1915.

EDWARD D. DOWLING, ALFRED B. HALL, MONROE GOLDWATER, Commissioners of Estimate. EDWARD D. DOWLING, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. jy22,a2

FIRST DEPARTMENT.

In the Matter of the Application of The City of New York, acting by and through the Commissioner of Docks, relative to acquiring right and title to and possession of the wharfage rights, terms, easements, emoluments and privileges appurtenant to Piers Old Nos. 27 and 28, East River, in the Borough of Manhattan, City of New York, not now owned by The City of New York, and all right, title and interest in and to said piers or any portion thereof not now owned by The City of New York, and all wharfage rights, terms, easements, emoluments and privileges appurtenant to those certain bulkheads, dock or wharf properties on or near the southerly line of South Street in said Borough and City, between former Pier Old No. 26 and Pier Old No. 27, and between Piers Old No. 27 and Old No. 28, and between Pier Old No. 28 and the westerly line of the property formerly acquired by The City of New York for the New York and Brooklyn Bridge, not now owned by The City of New York, for the improvement of the water front of The City of New York on the East River, pursuant to the plan heretofore adopted by the Board of Docks and approved by the Commissioners of the Sinking Fund.

NOTICE IS HEREBY GIVEN THAT A 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 3rd day of August, 1915, at 10:30 o'clock in 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, New York, July 21, 1915.

jy22,a2 WILLIAM H. JASPER, Clerk.

FIRST DEPARTMENT.

In the Matter of the Application of The City of New York, acting by and through the Commissioner of Docks, relative to acquiring right and title to and possession of the wharfage rights, terms, easements, emoluments and privileges appurtenant to Pier Old No. 49, East River, in the Borough of Manhattan, not now owned by The City of New York, and all right, title and interest in and to said Pier or any portion thereof not now owned by The City of New York, and all wharfage rights, terms, easements, emoluments and privileges appurtenant to certain bulkheads, dock or wharf properties on or near the southerly line of South Street, in said Borough and City, between a point about 120 feet west of the westerly line of Clinton Street and a point about 276.5 feet west of the westerly line of Montgomery Street, not now owned by The City of New York, for the improvement of the water front of The City of New York on the East River, pursuant to the plan heretofore adopted by the Board of Docks, as altered and amended by the Board of Docks and the Commissioner of Docks and approved by the Commissioners of the Sinking Fund.

NOTICE IS HEREBY GIVEN THAT A 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 3rd day of August, 1915, at 10:30 o'clock in 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, New York, July 21, 1915.

jy22,a2 WILLIAM H. JASPER, Clerk.

Filing Preliminary Abstracts.

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 DIGNEY AVENUE at a width of 50 feet from East 233rd Street to East 237th Street, in the 24th 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 him at his office, Room 1557, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in The City of New York, on or before the 2nd day of August, 1915, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 9th day of September, 1915, 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, 1914, 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 northwesterly line of Barnes Avenue where it is intersected by the prolongation of a line midway between Digney Avenue and Boyd Avenue, and running thence southwardly along the said line midway between Digney Avenue and Boyd Avenue and along the prolongations of the said line to the intersection with the northesaterly line of East 233d Street; thence southwestwardly at right angles to East 233d Street to the intersection with a line midway between East 232d Street and East 233d Street; thence northwestwardly along the said line midway between East 232d Street and East 233d Street to the intersection with the prolongation of a line distant 150 feet westerly from and parallel with the easterly line of Digney Avenue as this street is laid out between East 233d Street and Bussing Avenue, the said distance being measured at right angles to Digney Avenue; thence northwardly along the said line parallel with Digney Avenue and along the prolongations of the said line to the intersection with a line at right angles to West 237th Street and passing through a point on its northeasterly side distant 150 feet northwesterly from its intersection with the northwesterly line of Barnes Avenue; thence northeastwardly along the said line at right angles to East 237th Street to the intersection with a line at right angles to Barnes Avenue and passing through the point of beginning; thence southeastwardly along the said line at right angles to Barnes 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, Room 1529, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in said City, there to remain until the 2nd day of August, 1915.

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 11th day of November, 1915, 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, New York, July 6th, 1915.

ERNEST HALL, Chairman; CYRUS C. MILLER, EDWARD D. DOWLING, Commissioners of Estimate. CYRUS C. MILLER, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. jy12,28

SUPREME COURT — SECOND DEPARTMENT.

Filing Final Reports.

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 CLARK AVENUE, from Rust Street to Perry Avenue; RUST STREET, from Clinton Avenue to Flushing Avenue; and PERRY AVENUE, from Rust Street to Clark Avenue, in the Second Ward, Borough of Queens, City of New York.

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 in the Borough of Brooklyn, in The City of New York, on the 3rd day of August, 1915, 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, New York, July 26th, 1915.

EDGAR F. HAZELTON, EMANUEL S. CAHN, Commissioners of Estimate. EDGAR F. HAZELTON, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. jy26,30

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title in fee to the lands, tenements and hereditaments required for the purpose of opening the TRIANGULAR PARCEL OF LAND located at the junction of the northeasterly side of FLATBUSH AVENUE and the westerly side of Ashland Place, in the 11th Ward of the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and 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 to be held in the County Court House in the Borough of Brooklyn, City of New York, on the 4th day of August, 1915, at 10:00 o'clock in the forenoon of that day, and that the said final report has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of five days, as required by law.

Dated, New York, July 24th, 1915.

PHILIP A. BRENNAN, CLARENCE B. CAMPBELL, Commissioners of Estimate. PHILIP A. BRENNAN, Commissioner of Assessment.

ANDREW C. TROY, Clerk. jy24,29

Filing Bill of Costs.

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 ROSEBANK AVENUE, from Southside Boulevard to Broad Street, in the 2nd and 4th Wards, Borough of Richmond, City of New York, excepting therefrom Damage Parcels Nos. 32 and 33, Parcel "A," pursuant to an order of the Supreme Court, Second Department, dated September 2nd, 1913, and entered in the office of the Clerk of the County of Richmond December 10, 1913; affirmed by an order of the Appellate Division of the Supreme Court, 2nd Department, dated May 8, 1914, and entered in the office of the Clerk of the Appellate Division, 2nd Department, on May 8, 1914.

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 9th day of August, 1915, 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 Richmond, there to remain for and during the space of ten days, as required by law.

Dated, New York, July 26th, 1915.

GEO. W. STAKE, GEO. A. WOOD, JAMES T. ROURKE, Commissioners of Estimate. GEO. A. WOOD, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. jy26,a5

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 SHERMAN STREET from Fourteenth Street to Grand Avenue, and of MARION STREET, from Fourteenth Street to Ridge Street, in the First Ward Borough of Queens, 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 for the hearing of motions at the County Court House in the Borough of Brooklyn, in The City of New York, on the 6th day of August, 1915, 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 remain for and during the space of ten days, as required by law.

Dated, New York, July 23rd, 1915.

G. H. ALEXANDER, JOHN N. BOOTH, HARRY R. GELWICKS, Commissioners of Estimate. JOHN N. BOOTH, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. jy23,a3

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, tenements and hereditaments required for the opening and extending of TWENTIETH AVENUE, from 54th Street to Gravesend Avenue; FIFTY-SECOND STREET, from 18th Avenue to West Street, in the 30th 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 4th day of August, 1915 at 10:00 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, New York, July 22d, 1915.

HENRY P. VELTE, ALVAH W. BURLINGAME, JR., GEO. A. STEVES, Commissioners of Estimate. ALVAH W. BURLINGAME, JR., Commissioner of Assessment.

ANDREW C. TROY, Clerk. jy22,a2

Filing Preliminary Abstracts.

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 FOURTH AVENUE or RAPELJE AVENUE, between Jackson and Washington Avenues and between Graham and Winthrop Avenues, in the 1st 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 supplemental and amended 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 16th day of August, 1915, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 18th day of August, 1915, at 2 o'clock P. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his supplemental and amended 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 16th day of August, 1915, 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 August, 1915, 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 8th day of March, 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.:

One-half of the block on each side of the street to be opened, including the area lying within the line one-half block distant on each side of the street extended southwestwardly to the right of way of the Long Island Railroad and extended northeastwardly to a line 100 feet northeast of the northeasterly side of Winthrop avenue and parallel therewith.

Fourth.—That the abstracts of said supplemental and amended estimate of damage and of said supplemental and amended 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 18th day of August, 1915.

Fifth.—That, provided there be no objections filed to either of said supplemental and amended 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 28th day of October, 1915, 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 891 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated, New York, July 21st, 1915.

WILLIAM E. STEWART, Chairman; HARRISON S. MOORE, Commissioners of Estimate. WILLIAM E. STEWART, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. jy27,a12

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 WEIRFIELD STREET, from the line between the Borough of Brooklyn and the Borough of Queens to Wyckoff Avenue; HANCOCK STREET, from the line between the Borough of Brooklyn and the Borough of Queens to Myrtle Avenue; JEFFERSON AVENUE, from the line between the Borough of Brooklyn and the Borough of Queens to Cypress Avenue, and CORNELIA STREET, from the line between the Borough of Brooklyn and the Borough of Queens to Fresh Pond Road, excepting in each case the right-of-way of the Evergreen Branch of the Long Island Railroad, in the Second Ward, Borough of Queens, City of New York, as amended and corrected by an order of the Supreme Court, Second Department, bearing date the 24th day of June, 1914, and entered in the office of the Clerk of the County of Queens on the 29th day of June, 1914, so as to conform with a change made in the lines of Cornelia street, in the block between Myrtle avenue and Cypress avenue, as shown on a Map adopted by the Board of Estimate and Apportionment on December 18, 1913.

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 supplemental and amended 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 16th day of August, 1915, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 18th day of August, 1915, at 2 o'clock P. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his supplemental and amended 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 16th day of August, 1915, 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 August, 1915, 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 as amended for benefit by the Board of Estimate and Apportionment on the 27th day of February, 1914, 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 line midway between the Borough of Brooklyn and the Borough of Queens, where it is intersected by a line midway between Putnam Avenue, Cormelia Street, and running thence northeastwardly along the said line midway between Putnam Avenue and Cormelia Street to a point distant 100 feet westerly from the westerly line of Forest Avenue, the said distance being measured at right angles to Forest avenue; thence northwardly and always distant 100 feet westerly from and parallel with the westerly line of Forest avenue to the intersection with the southerly right of way line of the Lutheran Cemetery Branch of the Brooklyn Rapid Transit; thence eastwardly along the said right of way line to a point distant 100 feet easterly from the easterly line of Fresh Pond Road, the said distance being measured by right angles to Fresh Pond Road; thence southwardly and parallel with Fresh Pond Road to the intersection with the prolongation of a line midway between Cornelia Street and Hughes Street as these streets are laid out between Anthon Avenue, Buchman Avenue; thence westwardly along the said line midway between Cornelia Street and Hughes Street and along the prolongation of the said line to the intersection with the centre line of Anthon Avenue; thence northwardly along the centre line of Anthon Avenue to the intersection with the prolongation of a line midway between Cornelia Street and Hughes Street, as these streets are laid out between Forest Avenue and Anthon Avenue; thence westwardly along the said line midway between Cornelia Street and Hughes Street, and along the prolongation of the said line to a point distant 100 feet easterly from the easterly line of Forest Avenue, the said distance being measured at right angles to Forest Avenue; thence southwardly and parallel with Forest Avenue to the intersection of the prolongation of a line midway between Cornelia Street and Silver Street, as these streets are laid out where they adjoin Forest Avenue on the West; thence southwesterly along the said line midway between Cornelia Street and Silver Street and along the prolongation of the said line to the intersection with a line distant 100 feet northeasterly from and parallel with the northeasterly line of Woodward Avenue, the said distance being measured at right angles to Woodward Avenue; thence southeastwardly along the said line parallel with Woodward Avenue to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the centre lines of Cornelia Street and Catalpa Avenue, as these streets are laid out between Onderdonk Avenue and Woodward Avenue; thence southwestwardly along the said bisecting line to the intersection with a line distant 100 feet southeasterly from and parallel with the southeasterly line of Cornelia Street, the said distance being measured at right angles to Cornelia Street; thence southwestwardly along the said line parallel with Cornelia Street to the intersection with a line distant 100 feet northerly from and parallel with the northerly line of Myrtle Avenue, the said distance being measured at right angles to Myrtle Avenue; thence eastwardly along the said line parallel with Myrtle Avenue to the intersection with a line at right angles to Myrtle Avenue and passing through a point on its southerly side where it is intersected by the prolongation of a line midway between Hancock Street and Weirfield Street; thence southwardly along the said line at right angles to Myrtle Avenue to its southerly side; thence southwestwardly along the said line midway between Hancock Street and Weirfield Street and along the prolongation of the said line to a point distant 100 feet northeasterly from the northeasterly line of Wyckoff Avenue; thence southwardly and parallel with Wyckoff Avenue to the intersection with the prolongation of a line midway between Weirfield Street and Halsey Street; thence southwestwardly along the said line midway between Weirfield Street and Halsey Street and along the prolongation of the said line to the intersection with a line between the Borough of Brooklyn and the Borough of Queens; thence northwardly along the said Borough Line to the point or place of beginning.

Fourth.—That the abstracts of said supplemental and amended estimate of damage and of said supplemental and amended 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 17th day of August, 1915.

Fifth.—That, provided there be no objections filed to either of said supplemental and amended 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 22d day of October, 1915, at the opening of the Court on that day.

Sixth.—In case, however, objections are filed to the foregoing supplemental and amended 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, New York, July 16th, 1915.

JOHN C. MYERS, Chairman; CHAS. H. GEORGI, MICHAEL J. CONNOR, Commissioners of Estimate. JOHN C. MYERS, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. jy26,a11

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 ADDISON PLACE from Laurel Hill Boulevard to Anable Avenue, as shown upon a map or plan adopted by the Board of Estimate and Apportionment January 11, 1912, and to GOSMAN AVENUE from Borden Avenue to Barnett Avenue and from Dreyer Avenue to Jackson Avenue, in the 1st and 2nd Wards, 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 supplemental and amended 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 5th day of August, 1915, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 9th day of August, 1915, at 11 o'clock A. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his supplemental and amended 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 5th day of August, 1915, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 10th day of August, 1915, 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 amended area of assessment for benefit by the Board of Estimate and Apportionment on the 18th day of April, 1912, 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 a line midway between Fifteenth avenue and Sixteenth avenue, distant 100 feet northerly from the northerly line of Jackson avenue, the said distance being measured at right angles to Jackson avenue and running thence eastwardly and always distant 100 feet northerly from and parallel with the northerly line of Jackson avenue to the intersection with the prolongation of a line midway between Fitting street and Stone street, as these streets are laid out between Middleburg avenue and Queens boulevard; thence southwardly along the said line midway between Fitting street and Stone street, and along the prolongations of the said line to a point distant 100 feet southerly from the southerly line of Borden avenue, the said distance being measured at right angles to Borden avenue; thence westwardly and always distant 100 feet southerly from and parallel with the southerly line of Borden avenue to the intersection with the prolongation of a line midway between Packard street and Bliss street; thence northwardly along the said line midway between Packard street and Bliss street, and along the prolongations of the said line to the intersection with the prolongation of a line midway between Fifteenth avenue and Sixteenth avenue; thence northwardly along the said line midway between Fifteenth avenue and Sixteenth avenue and along the prolongation of the said line to the point or place of beginning.

Fourth.—That the abstracts of said supplemental and amended estimate of damage and of said supplemental and amended 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 9th day of August, 1915.

Fifth.—That, provided there be no objections filed to either of said supplemental and amended 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 15th day of October, 1915, 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, New York, July 12th, 1915.

WM. BOWNE PARSONS, Chairman; LUKE OTTEN, J. H. QUINLAN, Commissioners of Estimate. J. H. QUINLAN, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. jy15,31

NOTICE TO BIDDERS AT SALES OF OLD BUILDINGS, ETC.

TERMS AND CONDITIONS UNDER WIHCH 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 circumstances 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 openings 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, protecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam holes, 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 reecived 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.

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 or corporate stock or certificates of indebtedness of any nature issued by The City of New York, which the Comptroller shall approve as of equal value with the security required in the advertisement to the amount of not less than three nor more than five per centum of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

The amount shall be as specified in the proposals or instructions to bidders and shall not be in excess of 5 per cent.

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 of 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 uopn 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.