THE CITY RECORD.

VOL. XLII. NUMBER 12603. NEW YORK, FRIDAY, OCTOBER 23, 1914. 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.

Published daily, at 9 a. m., except legal holidays, at Nos. 96 and 98 Reade street (north side), between West Broadway and Church street, New York City.

Subscription, $9.30 per year, exclusive of supplements. Daily issue, 3 cents a copy.

SUPPLEMENTS: Civil List (containing names, salaries, etc., of the City employees), Two Dollars; Official Canvass of Votes, 10 cents; Registry Lists, 5 cents each assembly district; Law Department Supplement, 10 cents; Annual Assessed Valuation of Real Estate, 25 cents each section; postage prepaid.

ADVERTISING: Copy for publication in the CITY RECORD must be received at least TWO (2) days before the date fixed for the first insertion; when proof is required for correction before publication, copy must be received THREE (3) days before the date fixed for the first insertion.

COPY for publication in the corporation newspapers of Brooklyn must be received at least THREE (3) days before the date fixed for the first insertion.

Entered as Second-class Matter, Post Office at New York City.

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BOARD OF ESTIMATE AND APPORTIONMENT

Notice of Public Hearing.

Riverside Drive Extension, from 155th Street to the Harlem River Ship Canal, Borough of Manhattan.

NOTICE IS HEREBY GIVEN that the Committee on the City Plan of the Board of Estimate and Apportionment will hold a PUBLIC HEARING ON FRIDAY, OCTOBER 23, 1914, AT 2 P. M., in Room 16, City Hall, in relation to the proposed extension of Riverside Drive, from its present terminus at West 155th Street to the Harlem River Ship Canal, Borough of Manhattan.

JOSEPH HAAG, Secretary, Municipal Building.
Telephone, 4560 Worth. o19,23

PUBLIC HEARINGS FOR TAXPAYERS.

Budget for 1915.

Pursuant to a resolution adopted by the Board of Estimate and Apportionment on September 25, 1914, PUBLIC HEARINGS will be held on MONDAY, OCTOBER 26TH, 1914, AND TUESDAY, OCTOBER 27TH, 1914, in Room 16, City Hall, Borough of Manhattan, at 10.30 o'clock a. m., in regard to the BUDGET FOR 1915, as tentatively prepared, and the TAXPAYERS of the City are invited to appear and be heard on those days relative to appropriations to be made and included in said budget.

Dated New York, September 28, 1914.
s28,o27 JOSEPH HAAG, Secretary.

PUBLIC SERVICE COMMISSION—FIRST DISTRICT.

No. 154 NASSAU STREET, NEW YORK CITY.
Calendar for the Week Commencing October 19, 1914.

Friday, October 23, 1914—11 a. m.—Room 305—Case No. 1863—Long Island Electric Railway Company—"Application for approval of abandonment of portion of route on Liberty Avenue"—Commissioner Cram. 11 a. m.—Room 305—Case No. 1848—New York and Queens County Railway Co.—"Service and equipment"—Commissioner Cram.

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

Regular meeting of the Commission held every Tuesday and Friday at 12.15 p. m. in Room 310.

ART COMMISSION.

Minutes of Meeting of Art Commission Held in the Governor's Room, City Hall, on Tuesday, October 13, 1914, at 4 o'Clock P. M.

Present—President de Forest, presiding; Commissioners Babbott, Healy, Breck, Bitter, Boring and Lawrence.

On communications from the Mayor, Commissioners Rives and Mitchell, explaining their absences, they were excused.

Minutes of meeting of September 14 were presented and approved.

The President's report was presented stating that the following committees have been appointed since the last meeting, September 14:

Submission 1933. Dante Monument: Commissioners Bitter, Chairman; Boring and Healy. Appointed September 15, 1914.

Submission 1934. Prison Ship Martyrs Monument Tablet: Commissioners Bitter, Chairman; Babbott and Breck. Appointed September 15, 1914.

Submission 1935. Crane Fountain: Commissioners Bitter, Chairman; Mitchell and Babbott. Appointed October 6, 1914.

Submission 1936. Electric Light Posts, Brooklyn: Commissioners Breck, Chairman; Healy and Babbott. Appointed October 8, 1914.

Submission 1937. 71st Regiment Armory Fire Escapes: Commissioners Boring, Healy and Breck. Appointed October 13, 1914.

The following resolutions were adopted in accordance with the recommendations of the respective committees:

Submission 1933. *Dante Monument. Certificate* 1842.

Resolved, That the Art Commission hereby approves, but as preliminary drawings only, the designs and location of the Dante Monument, represented by Exhibits "674-H," "674-I," "674-J," "674-K," "674-L," "674-M," "674-N," "674-O," "674-P," "674-Q" and "674-R," of record in this matter.

Submission 1934. *Prison Ship Martyrs Monument Tablet. Certificate* 1843.

Resolved, That the Art Commission hereby approves the designs and location of a tablet for the Prison Ship Martyrs' Monument, represented by Exhibits "169-M," "169-N" and "169-O," of record in this matter.

Submission 1925. *Mallory S. S. Co. Shed, Pier 45, N. R. Certificate* 1844.

Resolved, That the Art Commission hereby approves the designs for the extension of the shed on Pier 45, North River, of the Mallory Steamship Company represented by Exhibits "819-A," "819-B," "819-C," "819-D" and "819-E," of record in this matter.

Submission 1937. *71st Regiment Armory Fire Escapes. Certificate* 1845.

Resolved, That the Art Commission hereby approves the designs for the fire escapes to be placed on the outside of the 71st Regiment Armory, Manhattan, represented by Exhibits "823-A," "823-B" and "823-C," of record in this matter.

Submission 1936. *Electric Light Posts, Brooklyn. Certificate* 1846.

Resolved, That the Art Commission hereby approves the change in the electric light posts on Bedford Avenue, between President and Carroll Streets, Brooklyn, represented by Exhibits "562-BC" and "562-BD," of record in this matter.

The Committee on Submission 1935 recommended that action be postponed.

On motion the report of the Committee was adopted and action postponed.

The Committee on Submission 1922 reported that this submission had been withdrawn.

The President presented a communication from Mr. Atterbury accompanied by designs of furniture for certain rooms now being restored in the City Hall.

On motion the designs were immediately considered and the following resolution passed:

Certificate 1847.

Resolved, That the Art Commission hereby approves the designs for furniture to be placed in the office of the President of the Board of Aldermen and the Committee Room of the Board of Estimate and Apportionment, represented by Exhibits "579-O," "579-P," "579-Q," "579-R," "579-S," "579-T," "579-U," "579-V," "579-W," "579-X" and "579-Y," of record in this matter.

Furthermore the members of the Commission expressed it as their opinion that it is important that at any reasonable additional expense the rooms of the City Hall should be furnished in furniture of the period when the City Hall was built.

The President presented a communication from Mr. Arnold W. Brunner submitting a sample of the stucco finish for the exterior of the stadium of the College of the City of New York as requested by the Art Commission.

On motion the Assistant Secretary was directed to notify Mr. Brunner that the Commission approved of this finish of the material for the stadium.

The following Committee reported progress:

Mail Box Supports.

Assay Office Facade.

Quarters and Staff.

On motion the meeting adjourned.

J. Q. ADAMS, Assistant Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION.

Promotion to 2nd Grade Clerk—Promulgated October 21st, 1914.
Municipal Civil Service Commission.

Executive Division.
1. Quinn, Bernard A., 1580a East 15th St., Brooklyn., 78.30.

Examining Division.
1. Ward, Leo E., 119 North Portland Ave., Brooklyn, 79.55.

Bureau of Administration.
1. Niebling, Geo. F., Jr., 2014 Grove St., Evergreen, L. I., 80.35.
2. Neubeck, Edw. G., 618 Linden St., Brooklyn, 77.10.

Department of Finance.

Bureau of Assessments and Arrears, Bronx.
1. Hamburger, Arthur J., 257 South 2nd St., Brooklyn, 73.70.
2. Rosenbaum, Barnard B., 5 East 113th St., 73.05.

Bureau of Assessments and Arrears, Queens.
1. Stanley, Stephen C. J., 100 India St., Brooklyn, 71.90.

Department of Street Cleaning.

Report for Week Ended August 2, 1914:

Incumbrances on hand July 26, 1914, 275; incumbrances seized during the week, 90; total, 365. Incumbrances redeemed, 135; incumbrances remaining on hand August 2, 1914, 230.

Moneys Transmitted to the City Chamberlain: For picking privileges, $1,425.99; for redemption of incumbrances, $69.05; for sale of manure, $54.16; for condemned broom blocks, 60 cents.

Vouchers Transmitted to the Comptroller: Miscellaneous, $3,369.10; payrolls, $83,814.61.

Loads of Material Collected.

	Manhattan.	Bronx.	Brooklyn.
Ashes ...	16,405½	2,063½	9,790½
Garbage ..	4,682¾	1,317½	3,575
Rubbish .	4,215	693½	3,840
Total...	25,303¼	4,074½	17,205½

J. T. FETHERSTON, Commissioner.

Report for Week Ending August 9, 1914:

Incumbrances on hand August 2, 1914, 230; incumbrances seized during the week, 135; total, 365. Incumbrances redeemed, 60; incumbrances remaining on hand August 9, 1914, 305.

Moneys Transmitted to the City Chamberlain: For picking privilege, $725.99; for redemption of incumbrances, $143.75; for sale of manure, $464.83.

Vouchers Transmitted to the Comptroller: Contracts, $43,383.58; open market orders, $448.03; miscellaneous, $3,630.92; pay rolls, $84,550.93.

Loads of Material Collected.

	Manhattan.	Bronx.	Brooklyn.
Ashes	16,334	2,015½	9,583
Rubbish ..	4,174	660	3,707½
Garbage ..	4,742	1,335¼	3,686¼
Total...	25,250	4,010¾	16,976¾

J. T. FETHERSTON, Commissioner.

Borough of The Bronx.

Bureau of Buildings.

Report for week ended October 3rd, 1914.

Plans filed for new buildings (estimated cost, $55,825), 18; plans filed for alterations (estimated cost, $22,650), 12; unsafe cases filed, 14; violation cases filed, 70; unsafe notices issued, 26; violation notices issued, 92; violation cases forwarded for prosecution, 4; complaints lodged with the Bureau, 32; number of pieces of iron and steel inspected, 840.

ROBERT MOOREHEAD, Superintendent.

BOARD OF ESTIMATE AND APPORTIONMENT.

Minutes of Meeting of Board of Estimate and Apportionment, Held in Room 16, City Hall, Friday, October 9, 1914.

The Board met in pursuance of an adjournment.

Present—John Purroy Mitchel, Mayor; Alexander Brough, Deputy and Acting Comptroller; George McAneny, President, Board of Aldermen; 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; and Charles J. McCormack, President, Borough of Richmond.

The Mayor, Hon. John Purroy Mitchel, presided.

Approval of Minutes (Cal. No. 1).

The Minutes of the meetings held September 25, 1914, and October 2, 1914, were approved as printed in the CITY RECORD October 6 and 9, 1914, respectively.

FIXING ROADWAY AND SIDEWALK WIDTHS.

Borough of Brooklyn.

Fixing the Roadway Width of 15th Avenue, from West Street to 60th Street, and from 75th Street to Bath Avenue, Borough of Brooklyn (Cal. No. 2).

The Secretary presented a comunication dated August 11, 1914, from the Acting President of the Borough of Brooklyn, requesting the Board to establish the roadway width of Fifteenth Avenue, from West Street to 60th Street, and from 76th Street to Bath Avenue, at 42 feet; and the following report of the Chief Engineer recommending approval thereof:

Report No. 14018. September 29, 1914.

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

Sir—Herewith is transmitted a communication from the Acting President of the Borough of Brooklyn, bearing date of August 11, 1914, relative to a special roadway ordinance for two disconnected sections of 15th Avenue.

This street has been laid out upon the City Map to have a width of 80 feet, and under the general rule governing such matters should have a roadway 44 feet wide.

The Acting Borough President advises that certain sections of the street have been regulated and graded with a roadway 42 feet wide, while in others the present ordinance has been observed. In the belief that the narrower width is adequate for the traffic requirements, he requests that it be legalized in the unimproved sections as well as those in which it has already been observed.

I can see no reason why this should not be done, and would recommend the adoption of a resolution fixing the roadway width of 15th Avenue at 42 feet from West Street to 60th Street, and from 75th Street to Bath Avenue, the roadway to be centrally located.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The following resolution was offered:

Resolved, by the Board of Estimate and Apportionment of the City of New York, that the width of the roadway of 15th Avenue, from West Street to 60th Street, and from 75th Street to Bath Avenue, Borough of Brooklyn, is hereby established at 42 feet; said roadway to be centrally located.

Which was adopted by the following vote:

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

Fixing the Roadway Width of 39th Street, from Fort Hamilton Avenue to West Street at 42 Feet, Borough of Brooklyn (Cal. No. 3).

The Secretary presented a communication dated August 25, 1914, from the Commissioner of Public Works, Borough of Brooklyn, requesting the Board to establish the roadway width of 39th Street, from Fort Hamilton Avenue to West Street, at 42 feet; and the following report of the Chief Engineer recommending approval thereof:

Report No. 14036. October 5, 1914.

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

Sir—Herewith is transmitted a communication from the Commissioner of Public Works, Borough of Brooklyn, bearing date of August 25, 1914, relative to a special roadway treatment for 39th Street from Fort Hamilton Avenue to West Street.

This street has been laid out upon the City Map to have a width of 80 feet and between the limits named has a length of seven blocks or about 4,000 feet. In accordance with the ordinance then effective, the section west of 13th Avenue has been regulated and graded with a roadway 42 feet wide, and between Old New Utrecht Road and 16th Avenue curbing has also been set in a similar position. This width has also been recognized in carrying out improvements affecting some of the intersecting streets, and in order to avoid the expense of adjusting such improvements as have already been made to secure a 44-foot roadway, the Commissioner requests that existing conditions be legalized by establishing a similar roadway width as far east as West Street.

In the two blocks between Fort Hamilton Avenue and 13th Avenue the central portion of the roadway is occupied by a double track trolley railroad; the street has here been paved and some considerable development has taken place along the frontages, so that the readjustment of the curbing and the paving to meet the requirements of the general rule would probably involve an expense which would not be commensurate with the advantage to be gained through the addition of only one foot to the roadway on each side. I can see no reason, therefore why the request should not be granted, and would recommend the adoption of a resolution fixing the roadway width of 39th Street from Fort Hamilton Avenue to West Street at 42 feet, the roadway to be centrally located. Respectfully, NELSON P. LEWIS, Chief Engineer.

The following resolution was offered:

Resolved, by the Board of Estimate and Apportionment of The City of New York, that the width of the roadway of 39th Street, from Fort Hamilton Avenue to West Street, Borough of Brooklyn, is hereby established at 42 feet; said roadway to be centrally located.

Which was adopted by the following vote:

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

Borough of The Bronx.

Fixing the Roadway Width of Jackson Avenue from Southern Boulevard to East 149th Street at 33 Feet, Borough of The Bronx (Cal. No. 4).

The Secretary presented a communication dated June 20, 1914, from the President of the Borough of The Bronx, requesting the Board to establish the roadway width of Jackson Avenue, between Southern Boulevard and East 149th Street, at 33 feet; and the following report of the Chief Engineer recommending approval thereof:

Report No. 14038. October 1st, 1914.

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 The Bronx, bearing date of June 20th, 1914, relative to a special roadway treatment for Jackson Avenue from Southern Boulevard to East 149th Street.

This street has been laid out upon the City Map to have a width of 65 feet, and in accordance with the rule generally observed in this Borough should have a roadway 30 feet wide.

The Borough President advises that a number of receiving basins have been built to conform with the present position of the curbing which has been set so as to leave a roadway 33 feet wide. He believes it desirable to retain the present conditions and requests that these be legalized.

I can see no reason why this should not be done, and would recommend the adoption of a resolution fixing the roadway width of Jackson Avenue from Southern Boulevard to East 149th Street at 33 feet, the roadway to be centrally located.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The following resolution was offered:

Resolved, by the Board of Estimate and Apportionment of The City of New York, that the width of the roadway of Jackson Avenue, from Southern Boulevard to East 149th Street, Borough of The Bronx, is hereby established at 33 feet; said roadway to be centrally located.

Which was adopted by the following vote:

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

APPROVAL OF MAPS AND PLANS.

Rule, Damage and Profile Maps.

Borough of Queens.

Rule and Damage Maps in the Proceeding for Acquiring Title to Ely Avenue from Jackson Avenue to Nott Avenue, Borough of Queens. Vesting Title to Ely Avenue, from Jackson Avenue to Nott Avenue, Borough of Queens (Cal. No. 5).

The Secretary presented a communication from the Secretary to the President of the Borough of Queens, dated April 30, 1914, transmitting rule and damage maps in this proceeding; and the following report of the Chief Engineer:

Report No. 14022. September 25, 1914.

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

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of April 30th, 1914, presenting for consideration the rule map and damage map prepared for the court record and for the use of the Commissioners of Estimate and Assessment to be appointed in the proceeding for acquiring title to Ely Avenue from Jackson Avenue to Nott Avenue.

This proceeding was instituted by the Board of Estimate and Apportionment on December 4th, 1913, at which time it was shown that the street forms a portion of the Steinway Tunnel Rapid Transit extension and will ultimately be occupied by an elevated structure.

The maps now presented conform in dimensions with the plan under which the street was laid out and indicate that the proceeding affects an area of 45,924.4 square feet. Of this area 43,924.4 square feet has been ceded to the City by the property owners, leaving a net area of 2,000 square feet still to be acquired. The street is in use at a lesser width through the entire distance, and a large number of buildings have been erected upon the abutting property. One of these, located just north of 11th Street, falls about 10 feet inside of the street lines, and a number of steps and fences also encroach upon the land to be acquired.

In view of the importance of clearing the way for the vesting of title to the land within the lines of this street so that the railroad construction will not be delayed, it is believed that the Board may wish to approve these maps. They are accordingly presented for consideration. 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 hereby approves the rule map and damage map, submitted by the President of the Borough of Queens, to be used by the Corporation Counsel in the proceeding authorized by said Board on December 4, 1913, for acquiring title to Ely Avenue from Jackson Avenue to Nott Avenue, Borough of Queens.

Resolved, That the Corporation Counsel be and he hereby is requested to advance the aforesaid street opening proceeding to completion as rapidly as possible.

Which was adopted by the following vote:

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

The following resolution was offered:

Whereas, the Board of Estimate and Apportionment on the 4th day of December, 1913, adopted a resolution requesting the Corporation Counsel to institute proceedings to acquire title, in fee, wherever the same has not heretofore been acquired for the use of the public, to the lands, tenements and hereditaments that shall or may be required for the purpose of opening and extending Ely Avenue, from Jackson Avenue to Nott Avenue, in the Borough of Queens, City of New York; and

Whereas, the Board of Estimate and Apportionment of the City of New York deems it for the public interest that title to the property required in this proceeding shall be vested in the City of New York upon a fixed or specified date; be it

Resolved, that the Board of Estimate and Apportionment of the City of New York, in pursuance of the provisions of Section 990 of the Greater New York Charter, as amended, directs that, upon the date of the filing of the oaths of the Commissioners to be appointed in the aforesaid proceeding, the title in fee to each and every piece or parcel of land lying within the lines of said Ely Avenue, from Jackson Avenue to Nott Avenue, in the Borough of Queens, City of New York, so required, shall become vested in the City of New York.

Which was adopted by the following vote:

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

REPORTS.

From Standing Committees.

Committee on Assessments.

Proposed Change in the Lines and Grades of West 242d Street, Between Corlear Avenue and Broadway; of Corlear Avenue, Between West 242d Street and Broadway; of the Post Road, Between Corlear Avenue and West 246th Street, and of West 246th Street, Between Cayuga Avenue and Broadway, Together with the Discontinuance of Three Public Parks on the Westerly Side of Broadway Immediately North of West 242d Street, Borough of The Bronx (Cal. No. 6).

(On June 12, 1914 (Cal. No. 64), this matter was referred to the Committee on Assessments.)

The Secretary presented the following report of the Committee on Assessments:

Board of Estimate and Apportionment, City of New York, September 28, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On June 12, 1914, the Board referred to the Committee on Assessments a proposed change in the lines and grades of West 242d Street, between Corlear Avenue and Broadway, of Corlear Avenue, between West 242d Street and Broadway, of the Post Road, between Corlear Avenue and West 246th Street, and of West 246th Street, between Cayuga Avenue and Broadway, together with the discontinuance of three public parks on the westerly side of Broadway immediately north of West 242d Street, in the Borough of The Bronx.

The purpose of these changes is to avoid the very great expense of proceedings to acquire title to portions of West 244th Street, Waldo Avenue, Corlear Avenue, West 246th Street, the first and second unnamed streets north of West 242d Street, and the two small public parks above referred to. The plan upon which this opening proceeding was based was adopted at the urgent request of property owners in the immediate vicinity, but owing to very large awards which it was proposed to allow for certain lands taken, upon which had been established some amusement resorts, the resulting assessments would be enormous. From tentative figures obtained from the Commissioners of Estimate and Assessment it appears that the expense of this proceeding would exceed $500,000, while if the amendments in the street plan which is now proposed were adopted and the title proceeding amended accordingly, it is estimated that this cost would be reduced to about $125,000. The City as the owner of Van Cortlandt Park and other lands between Waldo Avenue and Fieldston Road, which are included in the area of benefit, would be called upon to pay an assessment, which, based upon the former estimate above given, would amount to about $82,000, while if

the plan were changed to exclude the property for which very large awards have been made, the City's share would probably be reduced to less than $19,000.

In case this modification of plan were made and the title proceedings were amended accordingly, claims would undoubtedly be made by the owners of land excluded for compensation for their expenses under section 1000 of the Charter, and while the amount of such claims has been estimated all the way from $25,000 to $75,000, your Committee does not believe that they will much, if any, exceed the first named figure. Your committee believes that it is impossible to secure a bond indemnifying the city against this loss, and while it is of the opinion that the exaction of such bond is the proper course to be followed in most cases, it is convinced that the amount which the City would lose by failure to secure such indemnity will be far less than the reduction in the City's assessment which would result from the proposed modification of the plan and the consequent amendment of the opening proceedings.

We believe that the proceedings should not be discontinued, but that they should be amended, in which event the expenses of the Street Opening Bureau and other incidental expenses should be recovered in the final assessment.

Under these circumstances the Committee recommends that the plan amending the street lines and discontinuing the several small parks referred to be approved after the necessary public hearing. Respectfully submitted,

DOUGLAS MATHEWSON, President, Borough of The Bronx, Chairman; JOHN PURROY MITCHEL, Mayor; ALEX. BROUGH, Deputy and Acting Comptroller.

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 lines and grades of the street system within the area bounded approximately by West 242d Street, Tibbett Avenue, Cayuga Avenue, West 246th Street, Tibbett Avenue, West 250th Street, the Post Road, West 246th Street and Broadway, 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 April 22, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

Area of Assessment in the Proceeding for Acquiring Title to the Property Required for the Widening of East 161st Street, on Its Southerly Side, Between Mott Avenue and a Point About 100 Feet East of Sheridan Avenue, Borough of The Bronx (Cal. No. 7).

On January 30, 1914 (Cal. No. 14), after a public hearing, this matter was referred to the Committee on Assessments.

The Secretary presented the following report of the Committee on Assessments:

Board of Estimate and Apportionment, City of New York, September 28, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On January 30, 1914, the Board referred to the Committee on Assessments the matter of the area of benefit for the widening of East 161st Street, on its southerly side, between Mott Avenue and a point about 100 feet east of Sheridan Avenue, in the Borough of The Bronx.

The plan for this widening was approved by the Board on February 6, 1913, but no petition for the acquisition of title was presented to the Local Board, and the President of the Borough requested the Board of Estimate and Apportionment to initiate the necessary proceeding without such petition. Owing to the fact that this widening was required in order to construct an undercrossing by which the central portion of East 161st Street would pass beneath the Grand Boulevard and Concourse, and for the reason that there were special legislative enactments relating to the Grand Boulevard and Concourse and certain transverse roads, the Board asked the Corporation Counsel's advice as to whether it could proceed with the opening as an ordinary assessment proceeding and fix an area of benefit. On December 21, 1913, the Corporation Counsel advised that the special acts of the Legislature did not in any way limit the discretion of the Board in fixing the area of assessment or as to its determination of the portion of the cost to be assessed.

The Chief Engineer of the Board submitted a proposed area of assessment, which in view of the importance of the improvement of East 161st Street and the territory served by that street, was made a very generous one extending from a line 100 feet east of Third Avenue on the east to a line 100 feet west of Cromwell Avenue on the west, and extending in its widest part to a total width of about 1,600 feet. In view of the fact that in the acquisition of other portions of East 161st Street the areas of benefit had been confined largely to the westerly end of the street, the greater part of the area suggested for the widening under consideration was to the eastward of the portion of the street to be widened. When this proposed area of assessment came up for a public hearing objection was made on the ground that the area was not large enough.

Your committee after careful consideration has concluded that the area of benefit proposed by the Chief Engineer is sufficiently large and that a further extension is unnecessary. In reaching this conclusion due consideration is given to the fact that the reduction of the grade of 161st Street, which will be made possible by this widening, will be of great benefit to that thoroughfare and the property abutting on it and on the streets tributary to it, which will obain through it their principal outlet to Jerome Avenue and Macomb's Dam Bridge.

We therefore recommend that, the statutory public hearing having been given on the area of benefit recommended by the Chief Engineer, the proceeding be authorized, provided the Board shall have determined upon its future policy with respect to street opening proceedings. Respectfully submitted,

DOUGLAS MATHEWSON, President, Borough of The Bronx, Chairman; JOHN PURROY MITCHEL, Mayor; ALEX. BROUGH, Deputy and Acting Comptroller.

On motion, the matter was referred back to the Committee on Assessments for further consideration.

Street Opening Proceedings—Suggestion for Limiting Labors of Commissioners of Estimate and Assessment (Cal. No. 8).

(On August 27, 1914 (Cal. No. 187), the communication in this matter was referred to Committee on Assessments.)

The Secretary presented a communication, dated August 26, 1914, from Robert Flaherty, suggesting the advisability of limiting the labors of the Commissioners of Estimate and Assessment to not over 25 parcels of property in each proceeding and where there are a greater number of parcels in a proceeding, that different sets of Commissioners be appointed for each 25 parcels, and setting forth the advantage to the City in adopting this suggestion; and the following report of the Committee on Assessments.

October 5, 1914.

To the Board of Estimate and Apportionment:

Your Committee on Assessments, to which, on August 27, 1914, there was referred a communication from Mr. Robert Flaherty, dated August 26, 1914, suggesting the advisability of limiting the labors of Commissioners of Estimate and Assessment in condemnation proceedings to not over 25 parcels of property in each proceeding so that where there would be a greater number of parcels different sets of commissioners would be appointed for each series of 25 parcels, begs to report that it has given the suggestion of Mr. Flaherty careful consideration, but after that consideration, your Committee believes that the suggestion would be an impracticable one and not conducive to the best interests either of the City or of the property owners.

Mr. Flaherty apparently suggests separate and independent proceedings for each 25 parcels of land. This obviously would mean a duplication of general expenses, such as advertising, serving of notices, etc., and to that extent would be uneconomical and wasteful.

It would lead to unjust and unequal awards for different parcels of adjacent land, as it would seem to be a matter of common knowledge that different sets of commissioners acting independently would not fix upon exactly the same values.

Your Committee therefore recommends that Mr. Flaherty's communication be filed and that the Secretary of the Board be directed to inform him that his suggestion has received careful consideration but has not met with the approval of the Board.

All of which is respectfully submitted.

DOUGLAS MATHEWSON, President of the Borough of The Bronx, Chairman; JOHN PURROY MITCHEL, Mayor; ALEX. BROUGH, Deputy and Acting Comptroller, Committee on Assessments.

The communication was ordered filed and the Secretary was directed to notify Mr. Flaherty of the action taken by the Board in the matter.

Registering Under the Torrens System Titles to Property Acquired by the City (Cal. No. 9).

(On January 9, 1911, a communication from Gilbert Ray Hawes, submitting a proposition for the consideration of the Board relative to registering under the Torrens law, titles to property acquired by the City, was presented and was referred to a Committee consisting of the President of the Borough of The Bronx and the President of the Board of Aldermen.)

(On March 14, 1912, a supplemental communication from Mr. Hawes on the same subject was also presented and referred to said Committee.)

(On January 30, 1914 (Cal. No. 80), under a reassignment of matters to committees of the Board, this matter was referred to the Committee on Assessments.)

The Secretary presented a report of the Committee on Assessments in the matter of registering titles, under the Torrens system, to property acquired by the City through condemnation or otherwise for streets, highways, parks, school buildings, etc.

The Committee reports that it has considered this matter very carefully and has consulted with the Corporation Counsel in regard thereto and has come to the conclusion that it would be inadvisable for the City to examine titles under this system for the reasons (1) that the cost of registering and insuring under the Torrens law would exceed that of examination and insurance by title insurance companies, (2) a report as to the marketability or unmarketability of titles can be obtained from a title insurance company much more quickly than by means of a proceeding under this law, and (3) in case the City is under several contracts for the purchase of as many different properties, the titles of all can be examined and reported upon simultaneously by a title insurance company, while under the Torrens law the examinations would have to be made by an official examiner and necessarily separately.

The Committee recommends that for the present, at least, the City continue to examine titles according to its present practice.

Mr. Timothy H. Hartnett appeared and asked that the matter be laid over for three weeks.

On motion the matter was laid over for three weeks (October 30, 1914).

Committee on Corporate Stock Budget.

Department of Water Supply, Gas and Electricity—Issue of Corporate Stock (Cal. No. 10).

The Secretary presented a report of the Committee on Corporate Stock Budget recommending an issue of $41,138.28 corporate stock to provide means for the payment of the awards, interest thereon, the cost, charges and expenses in connection with the proceeding to acquire certain real estate in the County of Nassau for the purposes of water supply.

(On August 27, 1914 (Cal. No. 126), and September 21, 1914 (Cal. No. 101), communications from the Commissioner of Water Supply, Gas and Electricity requesting appropriations for the above purpose were referred to the Committee on Corporate Stock Budget.)

Which was laid over one week (October 16, 1914), under Rule 19.

Committee on Salaries and Grades.

Board of Estimate and Apportionment—Establishment of Grade of Position of Multigraph Operator (Cal. No. 11).

The Secretary presented the following report of the Committee on Salaries and Grades:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, September 23, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On September 16, 1914, the Director of the Bureau of Standards requested the establishment, for his office, of the grade of position of Multigraph Operator, at $3 per day, for one incumbent. He states as follows:

"To turn out promptly the great number of work specifications for all classes of City service now being prepared by this bureau, there is need of the services of either several additional Typewriting Copyists and the purchase of typewriting machines, or a well operated printing machine. The latter is the more economical. The multigraph machine now owned by the bureau is the best adapted machine in general commercial use to turn out clean copies of specifications in sufficient numbers. To operate this machine, however, the services of a specially trained man are necessary. The rate of $3 per day is the minimum generally paid in private employment for this type of work. The bureau does not need the services of an operator permanently, but periodically for limited time."

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

Title.	Rate Per Diem.	Number of Incumbents.
Multigraph Operator	$3 00	1

Which was adopted by the following vote:

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

Municipal Civil Service Commission—Establishment of Grades of Positions (Cal. No. 12).

(On September 21, 1914 (Cal. No. 116), the request of the Municipal Civil Service Commission in this matter was referred to the Committee on Salaries and Grades.)

The Secretary presented a communication from the Municipal Civil Service Commission, dated September 1, 1914, requesting establishment of additional grades of positions of Custodian, Tabulator, Attendant and Investigator; 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, October 6, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On September 1, 1914, the Municipal Civil Service Commission requested the establishment for its office of certain additional grades of positions in accordance with Section 56 of the Greater New York Charter. On September 21, 1914, the request was referred to the Committee on Salaries and Grades. The Bureau of Standards reports thereon, under date of October 6, 1914, as follows:

"It is requested that the following additional grades be established:

Title.	Rate Per Annum.	No. of Incumbents.
Custodian	$1,500 00	1
Tabulator	1,050 00	1
Attendant	900 00	1
Investigator	1,500 00	5

"The purpose of these establishments is not to increase the present force of the Commission but to provide appropriate titles for the employees filling these positions who had the title of Monitors and were paid on a per diem basis.

"The position of Custodian at $1,500 is requested for Mrs. Hahn who is now receiving $5 per day. Mrs. Hahn is in charge of the Question Room. She gives sample questions to applicants and is responsible for the safe keeping of examination papers while in the hands of applicants who have asked permission to review them. A salary of $1,260 is the maximum allowed for this work.

"The position of Tabulator at $1,050 is requested for Miss Rivola, who is now receiving $3.50 per day. Miss Rivola computes the final marks on examination papers and tabulates them. The requested compensation of $1,050 is reasonable.

"The position of Attendant at $900 is requested for Mr. Cavanaugh, who is now receiving $3 per day as a Monitor. The position of Monitor is temporary. Mr. Cavanaugh, however, is steadily employed and it is therefore desired to put him into the regular service under an appropriate title. The requested compensation of $900 is reasonable.

"The five positions of Investigator at $1,500 are requested in order to enable the Commission to appoint five men in place of Monitors who have formerly performed this work and who have been laid off. The function of these employees is to investigate the statements of experience of all applicants and to make such other investigations as may be deemed necessary to ascertain whether or not applicants are eligible to take examinations. The Commission at the present time has seven regular Investigators and the additional five are necessary to properly perform this work. The requested compensation of $1,500 is reasonable."

In view of the foregoing statement we recommend the adoption of the attached resolution recommending to the Board of Aldermen the establishment, for the office of the Municipal Civil Service Commission, of the following additional grades of positions:

Title.	Rate Per Annum.	No. of Incumbents.
Custodian	$1,260 00	1
Tabulator	1,050 00	1
Attendant	900 00	1
Investigator	1,500 00	5

Respectfully, ALEX. BROUGH, Deputy and Acting 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 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment in the office of the Municipal Civil Service Commission, in addition to those heretofore established, of the following grades of positions:

Title.	Rate Per Annum.	No. of Incumbents.
Custodian	$1,260 00	1
Tabulator	1,050 00	1
Attendant	900 00	1
Investigator	1,500 00	5

Which was adopted by the following vote:

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

Fire Department—Establishment of Grade of Position of Draftsman (Cal. No. 13).

(On September 21, 1914 (Cal. No. 114), the request of the Deputy and Acting Fire Commissioner in this matter was referred to the Committee on Salaries and Grades.)

The Secretary presented a communication from the Deputy and Acting Fire Commissioner, dated August 26, 1914, requesting establishment of grade of position of Draftsman; 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, September 24, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On August 26, 1914, the Deputy and Acting Fire Commissioner requested establishment, pursuant to the provisions of section 56 of the Greater New York Charter, of the grade of position of Draftsman, at $1,200 per annum, for an additional incumbent. The request was referred to the Committee on Salaries and Grades on September 21, 1914. The Bureau of Standards reports thereon as follows:

"The 1914 Budget salary schedule for the Fire Alarm Telegraph Bureau, No. 1659C, Corporate Stock Force, provides for three Architectural Draftsmen at $1,200 and two Draftsmen at $1,200 per annum. One of the positions of Architectural Draftsman is vacant and the Commissioner desires to appoint a Draftsman with a mechanical and electrical knowledge, as the work called for will be general in character. The grade of position of Draftsman at $1,200 per annum is established in the department for two incumbents only, and the present salary schedule provides for this number. No increase in force or appropriation is involved."

In view of the foregoing we recommend the adoption of the attacned resolution providing for the establishment of the grade of position of Draftsman at $1,200 per annum, for one additional incumbent. 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 56 of the Greater New York Charter, recommends to the Board of Aldermen the establishment in the Fire Department of the grade of position, in addition to those heretofore established, as follows:

Title of Position.	Rate Per Annum.	Number of Incumbent.
Draftsman	$1,200	1

Which was adopted by the following vote:

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

Police Department—Modification of Schedule (Cal. No. 14).

The Secretary presented a communication from the Police Commissioner, received August 27, 1914, requesting modification of schedule for 1914, and the following report of the Committee on Salaries and Grades, recommending denial thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, September 22, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On August 27, 1914, the Police Commissioner requested modification of a salary schedule in his department for the year 1914. The request was referred to the Committee on Salaries and Grades on August 28, 1914. The Bureau of Standards reports thereon as follows:

"In Personal Service, Salaries, Regular Employees, 1600, Administration, it is proposed to increase the salaries of Harry V. Russell and Julian B. Breitenstein, Stenographers and Typewriters, from $1,200 to $1,350, and the salary of Henry F. Meffert, Deputy Clerk, from $1,000 to $1,100 per annum. The $400 necessary for the increases is provided in an unassigned balance in the schedule.

"Mr. Russell was appointed in the Board of Water Supply as a Stenographer and Typewriter at $900 per annum, on February 9, 1909. On February 15, 1910, he was increased to $1,190 per annum. From February 16 to May 31, 1911, he was granted a leave of absence. On June 1, 1911, he was appointed Stenographer to the First Deputy Police Commissioner (exempt), at $,1500 per annum. From November 1, 1911, to April 7, 1912, he was granted a leave of absence. On April 8, 1912, he was reassigned to the Board of Water Supply as a Stenographer and Typewriter at $1,190 per annum, and on September 16, 1913, was promoted to third grade Stenographer and Typewriter and salary fixed at $1,400 per annum. On November 10, 1913, he was transferred to the Police Department at $1,200 per annum and on January 16, 1914, was appointed Stenographer to Commissioner (exempt) at $1,650 per annum. On April 7, 1914, he was reassigned to Stenographer and Typewriter (competitive) at $1,200 per annum. The description of the work performed by Mr. Russell as approved by the Police Commissioner is as follows:

"Does confidential stenographic work for the Police Commissioner and his Secretary, takes confidential reports of police investigators, as required, reports hearings granted to committees and complaints regarding matters requiring police attention, has charge of the Police Commissioner's tickler or follow-up file, and the preparation, tabulation and filing of all correspondence pertaining to the issuance of police line passes.

"Mr. Breitenstein was appointed in the Police Department as a Stenographer and Typewriter at $1,200 per annum on January 29, 1912. The description of the work performed by Mr. Breitenstein, as approved by the Third Deputy Police Commissioner, is as follows:

"Stenographic and typewriting work for Third Deputy Commissioner and his Secretary, prepares routine letters for signature of Third Deputy and Police Commissioner, forwards reports relative to applications for pool table licenses, occasionally reports trials held by the various Deputy Commissioners and investigations conducted by Third Deputy Commissioner, has made stenographic reports of several theatrical performances in Manhattan and Brooklyn, under direction of Third Deputy, and prepared affidavits in order to obtain warrants for the producers of same.

"From July 1 to September 15, 1914, Mr. Breitenstein was engaged in transcribing notes of trial of Patrolman M. J. McGrath, held in 1911, for return to writ of certiorari, the stenographer who reported said trial having died.

"Mr. Meffert was appointed in the Police Department as a Deputy Clerk at $1,000 per annum, on October 19, 1908. On January 26, 1909, he resigned. On July 29, 1909, he was reinstated. The description of the work performed by Mr. Meffert, as approved by the Chief Clerk, is as follows:

"Takes stenographic dictation from Chief Clerk, prepares and answers communications, prcpares all appointment papers of new candidates for various positions in department, tabulates daily minutes of department, assists on semi-monthly pay rolls, prepares and keeps records of requisitions in Chief Clerk's office and performs miscellaneous office work.'

"The 1915 Budget estimate of the Police Department provides for increases in salaries for Mr. Russell, from $1,200 to $1,650; for Mr. Breitenstein, from $1,200 to $1,500, and for Mr. Meffert, from $1,000 to $1,100 per annum.

"Three salary increases are involved in this request as follows:

"Harry V. Russell and Julian B. Breitenstein, Stenographers and Typewriters, from $1,200 to $1,350, and Henry F. Meffert, Deputy Clerk, from $1,000 to $1,100 per annum."

Your Committee believes that the question of increased compensations should properly be considered in the budget request for the year 1915. We, therefore, recommend that the request be denied at this time, without prejudice to the renewal of the same when the 1915 budget estimate of the department is being considered by your Board. 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 *denies* at this time, the request of the Police Commissioner as set forth in a communication received August 27, 1914, for the modification of schedule 1600 for the year 1914, to provide for salary increases of two Stenographers and Typewriters from $1,200 to $1,350 per annum, and of one Deputy Clerk from $1,000 to $1,100 per annum, without prejudice to the renewal of said request in the Departmental Estimate for the year 1915.

Which was adopted by the following vote:

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

Department of Water Supply, Gas and Electricity—Modification of Schedule (Cal. No. 15).

The Secretary presented the following report of the Committee on Salaries and Grades:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, September 25, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On July 30, 1914, your Board modified two wages schedules for the Department of Water Supply, Gas and Electricity. The modification was made in order to enable the department to transfer several employees from one bureau to another and also to eliminate two positions no longer needed. In Personal Service, Wages, Regular Employees, Board of Revenue Collection, No. 2191, the line "Foreman, 1 at $5 per day, 365 days" was changed to Assistant Foreman through a typographical error. We recommend the adoption of the attached resolution to correct the error. 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, to be effective as of August 1, 1914, as follows:

Personal Service, Wages Regular Employees, Water Revenue Collection.

2191	Tax Levy Force—	
	Foreman, 1 at $5 per day (365 days)	$1,825 00
	Assistant Foreman, 1 at $4 per day (303 days)	1,212 00
	Plumber, 4 at $5.50 per day (303 days)	6,666 00
	Machinist's Helper, 1 at $3 per day (303 days)	909 00
	Gas Engineman, 1 at $4.50 per day (303 days)	1,363 50
	Deckhand, 1 at $3 per day (303 days)	909 00
	Laborer, 3 at $2.50 per day (365 days)	2,737 50
	Laborer, 34 at $2.50 per day (303 days)	25,755 00
	Balance unassigned	1,818 00
	Schedule Total	$43,195 00

Which was adopted by the following vote:

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

Committee on Street Cleaning.

President, Borough of Queens—Erection of Refuse Destructor, Stable and Section House (Cal. No. 16).

(On April 13, 1913 (Cal. No. 59), protests of property owners in this matter were referred to the President, Borough of Queens; on September 25, 1913 (Cal. No. 10), further protests from property owners were referred to the Comptroller; on December 11, 1913 (Cal. No. 46), the report of the Comptroller thereon was laid over one week; on December 18, 1913 (Cal. No. 32), the matter was laid over to December 31, 1913 (Cal. No. 4); on said date to January 16, 1914 (Cal. No. 14), and on the latter date to January 23, 1914 (Cal. No. 22), when the matter was referred to the Committee on Street Cleaning.)

The Secretary presented communications from Messrs. Richey, Browne & Donald, Flushing and Metropolitan Avenues, Maspeth, Queens, dated September 15, 1913; from the Maspeth Taxpayers' and Business Men's Association, dated September 16, 1913; from John Salzi and several other property owners, Maspeth, L. I., and from the Rev. Wm. H. Pretzsch, pastor of Trinity Lutheran Church, Maspeth, N. Y., dated September 18, 1913, protesting against the acquisition of a site in Maspeth, between Flushing and Metropolitan Avenues, for the erection of a garbage incinerator; and the following reports of the Comptroller and Committee on Street Cleaning relative thereto:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, December 5, 1913.

To the Board of Estimate and Apportionment:

Gentlemen—The corporation of Richey, Browne & Donald, the Maspeth Taxpayers, and Business Men's Association, and others, have addressed communications to your board protesting against the construction of a garbage incinerator in Maspeth, on Flushing Avenue, near Metropolitan Avenue. In connection therewith I report as follows:

The property on which the incinerator is to be erected adjoins the factory of Rickey, Browne & Donald, architectural iron and bronze workers. Mr. Richey, as well as a Mr. Louis Rehme, who owns property on Flushing Avenue, protest against the unsightliness of the many carts that will pass on the way to the incinerator, and to the noise that the carts will make in going through the streets. Mr. Schnoor, the owner of the Metropolitan Park and Casino, on the corner of Flushing and Metropolitan Avenues, while having no objection to the erection of the plant, fears that if adequate facilities are not provided for the prompt unloading of the carts as soon as they arrive at the incinerator, it will result in several carts having to remain outside awaiting their turn to be unloaded. The Superintendent of Street Cleaning of the Borough of Queens has assured him that the arrangements for the immediate handling of the carts will be ample.

The location is good for the purpose and in view of the character of the neighborhood, several factories being in the immediate vicinity, the erection of the plant should not be objectionable.

The question of the disposition of garbage in the Borough of Queens is serious and many complaints against dumping on private property have been made. The property for the plant was acquired by the City a few years ago, and the contract for the construction of the incinerator is about to be advertised. Considerable study has been given to the disposal of garbage, and now that the kind of incinerator to be constructed has been decided upon, the erection of the plant should not be delayed.

Respectfully, WM. A. PRENDERGAST, Comptroller.

City of New York, Office of the President of the Board of Aldermen, City Hall, September 28th, 1914.

To the Honorable Board of Estimate and Apportionment:

Sirs—On July 17th, 1911, the Board of Estimate and Apportionment adopted a resolution authorizing an issue of corporate stock amounting to $202,000, to provide funds to cover the cost of acquiring lands and for the construction of a refuse destructor, stable and section house at Ridgewood, in the Second Ward of the Borough of Queens, which resolution was concurerd in by the Board of Aldermen on July 25th, 1911, and approved by the Mayor on August 21st, 1911.

Subsequent to the authorization, a site was acquired by the City on the northerly side of Flushing Avenue, distant 133 feet easterly from the corner of Flushing Avenue, and Metropolitan Avenue, and running northerly about 311 feet and then easterly 222 feet, and then southerly 321 feet to Flushing Avenue, and thence running westerly 172 feet to place of beginning, at a cost of $15,500.

Subsequent to the acquisition of the site, an architect was employed to develop plans for the improvement of the land and the construction of the buildings. The plans were approved by the Art Commission, and detailed plans and specifications were submitted to and approved by the Board of Estimate. Bids were called for during the early part of 1914, but were rejected because of some irregularity in the iow bid. Some opposition to the use of this site was manifested by property owners and residents of the Metropolitan section of the Second Ward, and the matter was finally referred to the Committee on Street Cleaning of the Board of Estimate and Apportionment, which herewith begs to submit its report:

Your Committee has carefully inspected the site belonging to the City, as well as two or three other proposed sites in the same general neighborhood. After having become acquainted with the physical conditions surrounding these alternative sites, a hearing was held and opportunity was given for a full statement of the reasons for and against the location of an incinerator on the respective sites under consideration. Considerable opposition developed to all of the sites proposed, and the Board of Estimate is confronted with the usual situation that, if it were to be guided by these protests, no incinerator could be built at any time within the City limits. It is extremely essental that some provision be made promptly to care for the removal and destruction of garbage and refuse in this neighborhood, and inasmuch as the City has acquired a site which appears to be well adapted to the purpose, and any change from such site would undoubtedly involve the City in a financial loss, your Committee recomends that unless some definite and concrete proposition be made to the Board of Estimate and Apportionment by which some less objectionable site is offered and the City is guaranteed against any loss by reason of change of site, the Board approve of the site now in the possession of the City, and that the Borough President of Queens be authorized to proceed with the erection of a destructor and other buildings, as originally provided. Yours very truly,

GEORGE McANENY, President, Board of Aldermen, Chairman; MAURICE E. CONNOLLY, President, Borough of Queens; C. J. McCORMACK, President, Borough of Richmond; Committee on Street Cleaning.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the report dated September 28, 1914, of the Committee on Street Cleaning, and authorizes the President of the Borough of Queens to proceed with the erection of a refuse destructor, stable and section house on Flushing Avenue, near Metropolitan Avenue, Second Ward, Borough of Queens, unless, before the expiration of two weeks, the property owners objecting to the erection of the destructor on the said site, submit a definite and concrete proposition, as outlined in the above mentioned report of the Committee on Street Cleaning.

Which was adopted by the following vote:

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

From Department of Finance.

President, Borough of Manhattan—Transfer of Appropriation and Modification of Schedules (Cal. No. 17).

The Secretary presented a communication from the President of the Borough of Manhattan, dated September 24, 1914, requesting transfer within the appropriation for said office for 1914; and the following report of the Comptroller, recommending approval thereof, and modification of schedules:

City of New York, Department of Finance, Bureau of Municipal Investigation and Statistics, October 5, 1914.

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

Gentlemen—In a communication dated September 24, 1914, the President of the Borough of Manhattan requested the transfer of $150 within the appropriations to that department from Account No. 437, Contract or Open Order Service, Transportation, Carfares, Supervision of Building Construction and Alteration, to Account No. 406, Purchase of Equipment, Office Equipment, Supervision of Building Construction and Alteration.

The original appropriation for the account referred to required to be replenished was $450, and on October 2, 1914, the available balance was $35.07.

Pursuant to an ordinance adopted May 26, 1914, by the Board of Aldermen and approved by the Mayor May 29, 1914, it is incumbent upon the Bureau of Buildings of the department referred to to make an annual inspection of all signs, ground or otherwise, within the building line. In this respect it is desired to purchase two units of steel filing cases, composed of three drawers each, for the purpose of suitably retaining and arranging the papers relating to this work. It is estimated that these filing cases referred to will cost $28 each. In addition two small single drawer filing cases for a follow up card index of these signs is also desired at an estimated cost of $4.61 each. A cross index by section and block as well as street numbers of all plans filed for new buildings is being made and a steel filing case for this index is also requested.

It is estimated that the total cost of the equipment referred to will amount to $90.82. This expenditure could not have been foreseen when the appropriation was made for the account to be charged.

It is further stated that a time clock stamp is necessary for use in the office of the Chief Inspector in the Engineering Division at a cost of $60. It is possible that this latter item could more properly be taken up when the appropriation for 1915 is being considered. Under the circumstances stated it appears that $100 would suffice for the immediate requirements as regards the necessary expenditures referred to.

The adoption of the attached resolutions approving the transfer of $100 within the appropriation accounts referred to and the schedules as revised is hereby recommended. Respectfully, ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of Section 237 of the Greater New York Charter, hereby approves the transfer of funds appropriated to the office of the President of the Borough of Manhattan, for the year 1914, as follows:

FROM

Contract or Open Order Service, Transportation, Carfare.

437 Supervision of Building Construction and Alteration..... $100 00

TO

Purchase of Equipment, Office Equipment.

406 Supervision of Building Construction and Alteration..... $100 00

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedules, as revised, for the office of the President of the Borough of Manhattan, for the year 1914, as follows:

Purchase of Equipment, Office Equipment.

406 Supervision of Building Construction and Alteration..... $550 00

Contract or Open Order Service, Transportation, Carfare.

437 Supervision of Building Construction and Alteration..... $1,600 00

Which was adopted by the following vote:

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

President, Borough of Manhattan—Transfer of Appropriation and Modification of Schedules (Cal. No. 18).

The Secretary presented a communication from the President of the Borough of Manhattan, dated September 15, 1914, requesting transfer within the appropriation for said office for 1914; and the following report of the Comptroller, recommending approval thereof, and modification of schedules:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statsitics, September 29, 1914.

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

Gentltmen—On September 15, 1914, the President of the Borough of Manhattan requested the transfer of $8,500 within the appropriations to that department for the year 1914.

The increase and decrease in the accounts affected by the proposed transfer are as follows:

FROM

Contract or Open Order Service, General Repairs.

427 Care of Public Buildings and Offices..... $7,300 00
428 Care of Municipal Building..... 1,200 00

TO

Supplies, Motor Vehicle Supplies.

396 Administration and Public Works..... $300 00

Purchase of Equipment, General Plant Equipment.

415 Care of Public Buildings and Offices..... 3,000 00
416 Care of Municipal Building..... 1,200 00

Materials, Building Materials.

420 Care of Public Buildings and Offices..... 4,000 00

In reference to Account No. 396—Suplies, Motor Vehicle Supplies—Administration and Public Works—the amount requested for 1914 was $2,000 and the amount actually allowed in the budget was $1,725. Against this appropriation open market orders and contract liabilities have been incurred up to September 26, 1914, amounting to $1,459.51 leaving an unencumbered balance at that time of $265.49. The addition of the proposed transfer of $300 will then bring this balance up to $565.49, which will be available for the last three months of the present year. The monthly average of orders placed against the account referred to for the first nine months was $162.16. The same rate for the last three months would amount to $486.48.

In Account No. 415—Purchase of Equipment, General Plant Equipment—Care of Public Buildings and Offices—the original amount allowed for 1914 was $2,100 which has since been increased by the transfer of funds from other appropriations during the current year to $7,500. Against these credits open market orders and contract liabilities have been incurred up to September 26, 1914, amounting to $6,499.05 leaving an unencumbered balance on that date of $1,000.95. It is intended to supplement this account by transferring $3,000 which if allowed, will make the available balance $4,000.95 for the last three months of the year. The monthly average of orders placed against the account for the first nine months was $722.11. Taking the same rate as an average for the last three months of the year the total liabilities for this period would amount to $2,166.33.

Assuming that this method of calculations, based on the monthly charges to Account No. 415, is a correct criterion by which to gauge these expenditures there would then remain a surplus of $1,834.62 in this account at the close of the year 1914. It is therefore recommended that a transfer of $1,500 be allowed in this instance instead of $3,000 requested.

As regards Account No. 416—Purchase of Equipment—General Plant Equipment—Care of Municipal Building—the original amount allowed for 1914 was $3,400 which has been increased by transfers to $5,400. Against this allowance open market orders and contract liabiities have been incurred up to September 26, 1914, amounting to $4,514.71 leaving an unencumbered balance of $885.29. It is proposed to transfer $1,200 to augment this account, which would bring the balance up to $2,085.29 available for the last three months of the year. It is intended to purchase from this account one C. O. 2 testing machine for boilers, the cost of which is estimated at $950. It is also proposed to purchase one lathe at an estimated cost of $350 and annunciators to cost approximately $500 making a total estimated charge of about $1,800 to this account.

The original amount appropriated in Account No. 429, Materials, Building Materials for 1914 was $8,500. Against this allowance open market orders and contract liabilities have been incurred up to September 26, 1914 of $8,496.02 leaving an unencumbered balance of $3.98. The original request was for $12,000. It is proposed to transfer $4,000 to the account, which if allowed, would make available $4,003.98 for the last three months. The monthly average of orders placed against the account for the first nine months is $944. The same average rate for the last three months would amount to $2,832. As this account is at present practically exhausted, it has been found necessary to hold up orders during the month of September 1914, to the amount of nearly $1,000 awaiting the requested increase of the account by the transfer of the $4,000 referred to.

In view of the statements made in this report, the adoption of the attached resolutions, approving the transfer of funds to an extent of $7,000 and the schedules as revised, is hereby recommended. Respectfully submitted.

WILLIAM A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of Section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the office of the President of the Borough of Manhattan for the year 1914, as follows:

FROM

Contract or Open Order Service, General Repairs.

427 Care of Public Buildings and Offices..... $5.800 00
428 Care of Municipal Building..... 1,200 00

$7,000 00

TO

Supplies, Motor Vehicle Supplies.

396 Administration and Public Works..... $300 00

Purchase of Equipment, General Plant Equipment.

415 Care of Public Buildings and Offices..... 1,500 00
416 Care of Municipal Building..... 1,200 00

Materials, Building Materials.

420	Care of Public Buildings and Offices	4,000 00
		$7,000 00

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedules, as revised, for the office of the President of the Borough of Manhattan for the year 1914, as follows:

Supplies, Motor Vehicle Supplies.

396	Administration and Public Works	$2,025 00

Purchase of Equipment, General Plant Equipment.

415	Care of Public Buildings and Offices	9,000 00
416	Care of Municipal Building	6,600 00

Materials, Building Materials.

420	Care of Public Buildings and Offices	12,500 00

Contract or Open Order Service, General Repairs.

427	Care of Public Buildings and Offices	39,810 00
428	Care of Municipal Building	2,756 00

Which was adopted by the following vote:

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

Department of Health—Transfer of Appropriations and Modification of Schedules (Cal. No. 19).

The Secretary presented a communication from the Secretary, Department of Health, dated September 24, 1914, requesting transfer within the appropriation for said department for 1914; and the following report of the Comptroller, recommending approval thereof, and modification of schedules:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, September 29, 1914.

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

Gentlemen—In a communication, dated September 24, 1914, the Board of Health requested the transfer of $1,114.54 within the appropriations made to the Department of Health for the year 1914. The increase and decrease in the accounts affected by the proposed transfer are as follows:

FROM

1853	Supplies, Food Supplies, Hospital Service, Tuberculosis, Sanatorium, Otisville	$376 54
1857	Medical and Surgical Supplies, Hospital Service, Tuberculosis, Sanatorium, Otisville	500 00
1884	Contract or Open Order Service, General Plant Service, Tuberculosis Sanatorium, Otisville	238 00

TO

1886	Fixed Charges and Contributions, County and School Tax for Tuberculosis Sanatorium, Otisville	$1,114 54

The proposed transfer is necessitated by the fact that the school tax on the property owned by The City of New York at Otisville, and used as a Tuberculosis Sanatorium by the Department of Health, is far in excess of the amount anticipated or provided for in the 1914 Budget.

The amounts requested and allowed for 1914 were as follows:

For County Tax	$2,000 00
For School Tax	850 00
Total allowed	$2,850 00

The request was based on the taxes for the year 1913, which were as follows:

For County Tax	$1,936 02
For School Tax	808 00
Total requested	$2,744 02

The actual taxes assessed on the property referred to for the year 1914 were, however, as shown below:

For County Tax	$1,863 74
For School Tax	2,100 80
Total Assessment for 1914	$3,964 54
Total Amount appropriated for 1914	2,850 00
Deficit for 1914	$1,114 54

The amount of the school tax for the year 1914 was not known until the tax bill was rendered on September 10, 1914.

On August 31, 1914, the accounts which showed unencumbered appropriation balances were as follows:

Account.	1914 Budget Appropriation as Modified.	Contract Reserve.	Open Market Orders.	Net Vouchers Requested to Aug. 31, 1914.	Unencumbered Balance Aug. 31, 1914.
1853, Supplies, Food, Hospital Service, Tuberculosis Sanatorium, Otisville	$97,500 00	$63,610 36	$75 50	$31,869 16	$1,944 98
1857, Supplies, Medical and Surgical Supplies, Hospital Service, Tuberculosis Sanatorium, Otisville	5,500 00	2,976 11	72	503 54	2,019 63
1884, Contract or Open Order Service, General Plant, Otisville	250 00	.....	.....	12 00	238 00
Totals	$103,250 00	$66,586 47	$76 22	$32,384 70	$4,202 61

It will be seen from the foregoing statement that a sufficient balance of funds remains in the accounts referred to, from which it is proposed to obtain the necessary funds for the purpose stated.

The adoption of the attached resolution approving the proposed transfer and the schedule, as revised, is hereby recommended.

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

FROM

1853	Supplies, Food Supplies, Hospital Service, Tuberculosis Sanatorium, Otisville	$376 54
1857	Medical and Surgical Supplies, Hospital Service, Tuberculosis Sanatorium, Otisville	500 00
1884	Contract or Open Order Service, General Plant Service, Tuberculosis Sanatorium, Otisville	238 00
	Total	$1,114 54

TO

1886	Fixed Charges and Contributions, County and School Tax for Tuberculosis Sanatorium, Otisville	$1,114 54

Which was adopted by the following vote:

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

The following resolution was offered:

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

Supplies.

1853	Food Supplies—	
	Promoting Public Health:	
	Child Hygiene	$5,200 00
	Infectious Diseases	13,900 00
	Hospital Service:	
	Willard Parker and Reception	72,000 00
	Riverside	105,100 00
	Kingston Avenue	48,000 00
	Tuberculosis Sanatorium, Otisville	97,123 46
	Total Food Supplies	$341,323 46
1857	Medical and Surgical Supplies, Promoting Public Health—	
	Child Hygiene	$3,500 00
	Infants' Milk Stations	600 00
	Infectious Diseases	8,650 00
	Food Inspection	140 00
	Laboratory Service—	
	Research and Vaccine	8,500 00
	Chemical	325 00
	Drug	36,500 00
	Hospital Service—	
	Willard Parker and Reception	2,500 00
	Riverside	3,600 00
	Kingston Avenue	1,200 00
	Tuberculosis Sanatorium, Otisville	5,000 00
	Total Medical and Surgical Supplies	$70,515 00
1884	Contract or Open Order Service, General Plant Service, Administration—	
	General	$50,540 00
	Care of Buildings and Grounds	1,850 00
	Promoting Public Health—	
	Child Hygiene	300 00
	Infants' Milk Stations	504 00
	Infectious Diseases	2,300 00
	Sanitary Inspection	250 00
	Laboratory Service—	
	Research and Vaccine	500 00
	Hospital Service—	
	Riverside	250 00
	Tuberculosis Sanatorium, Otisville	12 00
	Total Contract or Open Order Service	$56,506 00
1886	Fixed Charges and Contributions, County and School Tax for Tuberculosis—	
	Sanatorium, Otisville	$3,964 54
1887	Care and Treatment of Patients, Richmond	3,000 00
	Total fixed charges and contributions	$6,964 54

Which was adopted by the following vote:

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

Department of Education—Transfer of Appropriation and Modification of Schedules (Cal. No. 20).

The Secretary presented the following report of the Comptroller:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, October 3, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—In the tax budget of 1913 there were included under the Department of Education the following items to be used under terms and conditions fixed by the Board of Estimate and Apportionment:

3453	Force for Efficiency and Statistics	$23,000 00
3454	Accounting Force	25,000 00

Allotments were made from time to time out of these funds to the Department of Education and to the Board of Estimate and Apportionment for expenses to be incurred by them. Out of Account 3453 there was allotted to the Board of Estimate and Apportionment $7,790. By reason, however, of the expenditure by your board against this allotment of $8,238.97, or $448.97 more than the amount allowed it, the Department of Education is unable to meet certain obligations incurred against the allotments made from the same account to it.

It is therefore necessary to reimburse Account No. 3453 in the amount of $448.97. As there is in Account No. 3454 a sufficient unencumbered balance to permit a transfer of such sum therefrom to Account No. 3453, resolutions have been prepared to effect such transfer and also to modify the schedules of these two accounts accordingly. These resolutions are hereto attached and are recommended for your approval.

Very truly yours, ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of Section 237 of the Greater New York Charter, hereby approves the transfer of funds appropriated to the Department of Education for the year 1913, as follows:

FROM

Wages, Temporary Employees, Administration.

3454	Accounting Force	$448 97

TO

Wages, Temporary Employees, Administration.

3453	Force for Efficiency and Statistics	$448 97

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Education for the year 1913, as follows:

3453	Wages, Temporary Employees, Force for Efficiency and Statistics	$17,165 63
3454	Wages, Temporary Employees, Accounting Force	19,951 03

Which was adopted by the following vote:

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

Department of Water Supply, Gas and Electricity—Transfer of Appropriation and Modification of Schedules (Cal. No. 21).

The Secretary presented a communication from the Commissioner of Water Supply, Gas and Electricity, dated September 23, 1914, requesting transfer within the appropriation for said department for 1914; and the following report of the Comptroller recommending approval thereof and modification of schedules:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, October 3, 1914.

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

Gentlemen—In a communication dated September 23, 1914, the Department of Water Supply, Gas and Electricity requested the transfer of $2,958.56 within the appropriations to that department for the year 1914 from Account No. 2249, Illumination, Power and Heat Control—Illumination, Power and Heat Service—Street and Park Lighting, Manhattan and The Bronx—Extension of Service, to Account No. 2219, Supplies, General Plant Supplies, Water Supply—Collection and Storage—Chloride of Lime and Copper Sulphate.

The purpose of the transfer requested is to provide funds for the purchase of chloride of lime to be used for the purification of the water supply in the Croton watershed.

On September 21, 1914, a resolution was adopted by your board approving the transfer of $4,357.50 for the purpose stated. Since that time, however, open market orders have been issued amounting to about $2,100, with the object of insuring prompt delivery. At the present time a contract exists for the amount of chloride of lime estimated to be used during the remainder of the year, amounting to $4,668.69. This contract, which has been executed but not registered, exceeds the departmental estimate by $840.38, due to the large increase in prices over the previous month on account of conditions now prevailing in Europe.

Owing to the present quality of the water in the reservoirs it has been found necessary to use a greater quantity of chloride of lime than was originally anticipated by the Engineers at the time of the preparation of the 1914 budget.

In view of the facts stated and inasmuch as the purchase of lime referred to is very necessary at this juncture, the adoption of the attached resolutions approving the proposed transfer and the schedules, as revised, is hereby recommended.

Respectfully submitted, ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of Section 237 of the Greater New York Charter, hereby approves transfer of funds for the Department of Water Supply, Gas and Electricity for the year 1914, as follows:

FROM

Illumination, Power and Heat Control, Illumination, Power and Heat Service, Street and Park Lighting.

2249 Manhattan and The Bronx, Extension of Service..... $2,958 56

TO

Supplies, General Plant Supplies, Water Supply, Collection and Storage.

2219 Chloride of Lime and Copper Sulphate..... $2,958 56

Which was adopted by the following vote:

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

—

The following resolution was offered:

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

Supplies, General Plant Supplies, Water Supply, Collection and Storage.

2219 Chloride of Lime and Copper Sulphate..... $29,316 06

Illumination, Power and Heat Control, Illumination, Power and Heat Service, Street and Park Lighting.

2249 Manhattan and The Bronx, Extension of Service..... $12,041 44

Which was adopted by the following vote:

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

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

The Secretary presented the following report of the Comptroller:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, October 2, 1914.

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

Gentlemen—The schedule supporting the 1914 appropriation for the Department of Water Supply, Gas and Electricity, entitled: No. 2174—Salaries, Temporary Employees—Administration—Executive, was modified by your Board at the meeting held September 25th last. The line "Expert Technical Engineer, 1 at $50 per day, 83 days, $4,150" was omitted. This line had been added to the schedule by your board on July 30th last. The services of the technical engineer have not yet been discontinued and as the omission of the line was due to an error, I recommend that it be restored in accordance with the resolution appended hereto. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedule as revised for the Department of Water Supply, Gas and Electricity for the year 1914 as follows:

Salaries—Temporary Employees, Administration.

2174	Executive—	
	Expert Technical Engineer, 1 at $50 per day, 83 days.....	$4,150 00
	Stenographer and Typewriter at $3 per day, 336 days.....	1,008 00
	Typewriter Accountant, at 60c. per hour, 70 hours.....	42 00
	Schedule Total.....	$5,200 00

Which was adopted by the following vote:

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

Department of Street Cleaning—Transfer of Appropriation and Modification of Schedules (Cal. No. 23).

The Secretary presented a communication from the Commissioner of Street Cleaning, dated September 23, 1914, requesting transfer within the appropriation for said department for 1914; and the following report of the Comptroller, recommending approval thereof, and modification of schedules:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, October 1, 1914.

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

Gentlemen—In a communication dated September 23, 1914, the Department of Street Cleaning, requested the transfer of $789.80 within the appropriations to that Department for the year 1914, from Account No. 2412, Contract or Open Order Service, General Plant Service, Snow Removal, Manhattan, to Account No. 2413, Contract or Open Order Service, General Plant Service, Snow Removal, Brooklyn.

Owing to the exceptional heavy snowstorms during the months of February and March of the present year, an arrangement was entered into between the Department of Street Cleaning and the Bureau of Sewers, Borough of Brooklyn, whereby the latter should supervise the dumping of snow into the sewers. The Bureau of Sewers, Borough of Brooklyn, now requests to be reimbursed to the extent of $1,105.93 representing the total charges for supervision of dumping snow into the sewers during March, 1914, comprised as follows:

Statement of Time Made by Inspectors of Sewer Construction.

J. W. Bernstein, 11 days at $4.93.....	$54 23
J. W. Cahill, 15 days at $4.....	60 00
P. J. Connolly, 12 days at $4.93.....	59 16
R. Smith Campbell, 5 days at $4.....	20 00
Thos. Donohue, Jr., 15 days at $4.....	60 00
Joseph Dwyer, 13 days at $4.93.....	64 09
E. A. Ebbets (temporary), 13 days at $4.....	52 00
John L. Howard, 6 days at $4.....	24 00
John Kelly, 10 days at $4.93.....	49 30
Edward Cavanagh, 10 days at $4.93.....	49 30
Frank Langan, 16 days at $4.93.....	78 88
Charles Larsen, 17 days at $4.....	68 00
N. P. MacDonald, 12 days at $4.93.....	59 16
Thos. Morris, 1 day at $4.....	4 00
F. C. J. Martin, 11 days at $4.....	44 00
Jas. Magrath (temporary), 13 days at $4.....	52 00
Thos. F. McGrath, 16 days at $4.....	64 00
Jas. J. Naylon, 10 days at $4.....	40 00
Joseph O'Donnell, 12 days at $4.93.....	59 16
B. L. Piehl, 8 days at $4.....	32 00
H. D. Peckham (temporary), 10 days at $4.....	40 00
Oscar Short (temporary), 12 days at $4.....	48 00
Charles Walker, 5 days at $4.93.....	24 65
Total Cost of Inspection.....	$1,105 93

The correctness of the foregoing statement has been verified by an examiner of the Department of Finance.

It is proposed to reimburse the Bureau of Sewers, Borough of Brooklyn, by making a journal voucher in favor of Account No. 570 T. R. S.—Wages Regular Employees—Care of Sewers—Engineering and Inspection—Tax Levy—Revenue Bond and Special and Trust Fund Force. However, before this can be done, it becomes necessary to transfer the sum of $789.80 requested from Account No. 2412—Contract or Open Order Service, General Plant Service—Snow Removal—Manhattan, to Account No. 2413—Contract or Open Order Service—General Plant Service—Snow Removal—Brooklyn. The former account shows an available balance of $1,964.48, while the latter has a balance of only $628.35.

The adoption of the attached resolutions approving of the proposed transfer and the modification of the schedules as revised is hereby recommended.

Respectfully submitted, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provision of Section 237 of the Greater New York Charter, hereby approves the transfer of funds appropriated to the Department of Street Cleaning for the year 1914, as follows:

FROM

Contract or Open Order Service—General Plant Service—Snow Removal.

2412 Manhattan $789 80

To

Contract or Open Order Service—General Plant Service—Snow Removal.

2413 Brooklyn $789 80

Which was adopted by the following vote:

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

—

The following resolution was offered:

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

DEPARTMENT OF STREET CLEANING.

Contract or Open Order Service—General Plant Service—Snow Removal.

2412 Manhattan $1,657,178 59

Contract or Open Order Service—General Plant Service—Snow Removal.

2413 Brooklyn $662,599 50

Which was adopted by the following vote:

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

Department of Finance—Amendment of Issue of Special Revenue Bonds (Cal. No. 24).

The Secretary presented the following report of the Comptroller:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, October 1, 1914.

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

Gentlemen—In a communication addressed to your board under date of August 24, 1914, request was made for the issuance of special revenue bonds to the extent of $1,133.33, the proceeds whereof to be used by the Comptroller for the purpose of providing funds for the payment of the rent of rooms 814 and 815, located in the Emigrant Industrial Savings Bank, 51 Chambers Street, Borough of Manhattan, used by one of the justices of the Supreme Court.

In quoting the amount referred to for approval by your board, namely $1,133.33, this amount was erroneously stated in the resolution for adoption as "One thousand, three hundred and thirty-three dollars and thirty-three cents ($1,333.33)."

In order to adjust this transposition of the figures as explained your approval to the attached resolution is requested. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Estimate and Apportionment on September 21, 1914, which read as follows:

"Resolved, That the resolution adopted by the Board of Aldermen on July 7, 1914, requesting the issue of special revenue bonds in the sum of *one thousand three hundred and thirty-three dollars and thirty-three cents* ($1,333.33), the proceeds whereof to be used by the Comptroller for the purpose of providing funds for the payment of the rent of rooms 814 and 815, located in the Emigrant Industrial Savings Bank Building, 51 Chambers Street, Borough of Manhattan, under a lease from The City of New York, from April 15, 1914, to December 31, 1914, 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, Section 188, of the Greater New York Charter, to issue special revenue bonds of The City of New York, to an amount not exceeding *one thousand three hundred and thirty-three dollars and thirty-three cents* ($1,333.33), redeemable from the tax levy of the year succeeding the year of their issue."

—be and the same is hereby *amended to read "One thousand one hundred and thirty-three dollars and thirty-three cents* ($1,133.33)."

Which was adopted by the following vote:

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

Standard Sheet Metal Works—Claim of (Cal. No. 25).

The Secretary presented the following report of the Deputy and Acting Comptroller:

City of New York, Department of Finance, Comptroller's Office, September 30, 1914.

To the Honorable the Board of Estimate and Apportionment:

Gentlemen—Under and pursuant to the provisions of Section 246 of the Greater New York Charter, I hereby certify that a claim was filed in this Department by the Standard Sheet Metal Works for $345, alleged to be due it for labor and material supplied to Bellevue and Allied Hospitals on November 25, 1913, in accordance with plans and specifications, pursuant to an order signed by the General Medical Superintendent; that subsequently the same claim embodying an intention to sue was filed by Abr. I. Solomon, attorney at law, on its behalf; that the Standard Sheet Metal Works is an assumed name under which Charles Gamsu and Harry Greenblatt do business; that an order to Charles Gamsu, dated October 30, 1913, signed by George O'Hanlon, General Medical Superintendent, Bellevue and Allied Hospitals, ordered him to supply all labor and material to furnish and install a boiler flue of black iron in cellar of 223 East 26th Street, etc., as shown and explained on separate drawing, to the entire satisfaction of the Supervising Engineer, in twenty consecutive calendar days from the date thereof; that the labor and material required by the order was furnished and supplied in good faith and actually received and used by Bellevue and Allied Hospitals and no action has been instituted on said claim; that the Corporation Counsel has advised that the Board of Trustees of Bellevue and Allied Hospitals alone had power to issue certificates of necessity, as required by Section 419 of the Greater New York Charter; that said Board can not delegate the exercise of its judgment as to the issuance of such certificates to the General Medical Superintendent, therefore payment for the labor and material cannot be made, but that certification may properly be made pursuant to the provisions of Section 246 of the Charter; that this claim is illegal and invalid as against The City of New York, but notwithstanding, in my judgment, it is equitable and proper to pay it in the sum of $281, the actual cost price to claimant for the labor and supplies furnished, inasmuch as the City has received a benefit and derived an advantage which, in money value, is equal to said sum and that said sum of $281 is the amount which should be paid in full satisfaction of said claim from the fund entitled "Bellevue and Allied Hospitals, Open Order Service, Buildings," Code No. 398, 1913; that said amount should be paid to the claimant provided it and Charles Gamsu individually will execute and deliver releases in full of this claim.

Respectfully, ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to Section 246 of the Greater New York Charter, as amended, determines that the City has received a benefit from the Standard Sheet Metal Works and is justly and equitably obligated to pay to said firm, without interest, the sum of Two hundred and eighty-one dollars ($281) for certain labor and material supplied to Bellevue and Allied Hospitals in November of 1913, pursuant to an order for the same to furnish and install boiler flue of black iron in the cellar of 223 East 26th Street, etc.; that the said sum shall be paid in full satisfaction of the claim which the firm presented in the sum of Three hundred and forty-five dollars ($345) for such labor and material; that the interests of the City will be best subserved by the compromise of the said claim in that amount and that such sum shall be paid only upon the execution by the said Standard Sheet Metal Works and Charles Gamsu individually of a full release in favor of the City in such form as may be approved by the Corporation Counsel; and the Comptroller is hereby authorized to pay said claim in the sum of Two hundred and eighty-one dollars ($281) from the account entitled "Bellevue and Allied Hospitals, Open Order Service, Buildings," Code No. 398, 1913.

Which was adopted by the following vote:

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

Citizens' Water Supply Company of Newtown—Claim of (Cal. No. 26).

The Secretary presented the following report of the Deputy and Acting Comptroller:

City of New York, Department of Finance, Comptroller's Office, October 1, 1914.

To the Honorable the Board of Estimate and Apportionment:

Gentlemen—Under and pursuant to the provisions of Section 246 of the Greater New York Charter, I hereby certify that the Citizens' Water Supply Company of Newtown has presented a claim against the City for $7,122.21, alleged to be due for water furnished to The City of New York through meters, within the First Ward of the Borough of Queens, during the months of January and February, 1914; that prior to July 7, 1913, the Claimant Corporation had, under a five-year contract expiring on that date, furnished water to the City in said First Ward of the Borough of Queens, at the contract price of $65 per million gallons; that subsequent to the expiration of said contract and down to the 28th day of February, 1914, the Claimant continued to furnish water to the City at the request of the Department of Water Supply, Gas and Electricity and that monthly bills therefor to December 31, 1913, at the former contract price of $65 per million gallons, were paid by the City; that the quantity of water furnished during the months of January and February, 1914, was 109,572,508 gallons, for which claim is made at said contract price, amounting to the sum of $7,122.21; that no open market order or certificate of necessity having been issued, and no appropriation to cover the cost of the water supplied, as aforesaid, having been made, said claim is illegal and invalid as against the City, but notwithstanding such invalidity it is in my judgment equitable and proper for the City to pay the money value of the benefit which it has received by reason of the furnishing of said quantity of water, which benefit amounts to the sum of $6,577.50, and that said sum of $6.577.50 should be paid to the Citizens' Water Supply Company of Newtown in full satisfaction of said claim, upon the execution of a full release in favor of the City in such form as shall be approved by the Corporation Counsel. Respectfully,

ALEX. BROUGH, Deputy Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to Section 246 of the Greater New York Charter, as amended, hereby determines that the City has received a benefit from the Citizens Water Supply Company of Newtown and is justly and equitably obligated to pay said firm, without interest or profit, the sum of Six thousand five hundred and seventy-seven dollars and fifty cents ($6,577.50) for water furnished to the City in the First Ward of the Borough of Queens, during the months of January and February, 1914; that the interests of the City will be best subserved by the payment of said sum, which shall be paid in full satisfaction of the claim presented by the said Citizens Water Supply Company of Newtown, upon the execution by it of a full release in favor of the City, in such form as shall be approved by the Corporation Counsel, and the Comptroller is hereby authorized to pay said sum from the Revenue Bond Fund for Miscellaneous Claims.

Which was adopted by the following vote:

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

Department of Education—Acquisition of Property as a Site for School Purposes (Cal. No. 27).

The Secretary presented the following report of the Comptroller:

City of New York, Department of Finance, Comptroller's Office, October 1, 1914.

To the Honorable the Board of Estimate and Apportionment:

Gentlemen—At a meeting of your Board held August 27, 1914, a resolution was adopted authorizing the Comptroller to acquire at private sale, at a price not exceeding $2,250, certain premises in Great Kills, Borough of Richmond, as an addition to the site of Public School No. 8.

While the description contained in the original resolution is erroneous, the plot that the City is to reecive is larger in area.

I therefore respectfully recommend that the resolution adopted by your Board on August 27, 1914, be rescinded, and in place thereof a new resolution be adopted to read as follows:

Resolved, That the Board of Estimate and Apportionment hereby approves of the selection by the Board of Education of property located on Cross Street, Park Terrace and Lindenwood Road and School Street, Borough of Richmond, as an additional site for Public School No. 8, bounded and described as follows:

All those twelve (12) certain lots, pieces or parcels of land, situate, lying and being at Giffords, in the Town of Southfield, County of Richmond and State of New York, and known and designated upon a "Map of property of David Bennett King, as Trustee for creditors of Erastus Wiman, situated at Giffords-by-the-Sea, Town of Southfield, Richmond County, New York, surveyed and laid out October 2, 1893, W. H. Bostwick and W. E. Widmeyer, Stapleton, C. E., as Lots numbers fifty-eight (58), fifty-nine (59), sixty (60), sixty-one (61), sixty-two (62), sixty-three (63), sixty-four (64), sixty-five (65), sixty-six (66), sixty-seven (67), sixty-eight (68) and sixty-nine (69), together with all the right, title and interest, if any, of the owner, of, in and to the road and streets in front thereof to the centre line thereof,

—and authorizes the Comptroller to enter into a contract for the acquisition of the same at private sale at a price not exceeding two thousand two hundred and fifty dollars ($2,250), said contract to be submitted to the Corporation Counsel for approval as to form. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Estimate and Apportionment August 27, 1914, which reads as follows:

"Resolved, That the Board of Estimate and Apportionment hereby approves of the selection by the Board of Education of property located on Cross Street, Park Terrace and Lindenwood Road and School Street, Borough of Richmond, as an additional site for Public School No. 8, bounded and described as follows:

"All those certain lots, pieces or parcels of land, situate, lying and being in Great Kills, Borough of Richmond, City and State of New York, bounded and described as follows:

"Beginning at a point formed by the intersection of the southwesterly line of Lindenwood Road with the southeasterly line of lands of Public School 8, and running thence southwesterly along the said southeasterly line of the lands of Public School 8, 326.7 feet to the easterly line of School Street; thence southerly along the easterly line of School Street 69.19 feet to the northerly line of Cross Street; thence easterly along the northerly line of Cross Street 103.8 feet to its intersection with Park Terrace; thence northeasterly along the northwesterly line of Park Terrace 265.27 feet to the southwesterly line of Lindenwood Road; thence northwesterly along the southwesterly line of Lindenwood Road 97.2 feet to the southeasterly line of the lands of Public School 8, the point or place of beginning, be the said dimensions more or less; together with all the right, title and interest, if any, of the owner, of, in and to the road and streets in front thereof to the centre thereof,

"—and authorizes the Comptroller to enter into a contract for the acquisition of the same at private sale at a price not exceeding two thousand two hundred and fifty dollars ($2,250), said contract to be submitted to the Corporation Counsel for approval as to form."

—be and the same is hereby *rescinded.*

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the selection by the Board of Education of property located on Cross Street, Park Terrace and Lindenwood Road and School Street, Borough of Richmond, as an additional site for Public School No. 8, bounded and described as follows:

All those twelve (12) certain lots, pieces or parcels of land, situate, lying and being at Giffords, in the Town of Southfield, County of Richmond and State of New York, and known and designated upon a "Map of property of David Bennett King, as Trustee, for creditors of Erastus Wiman, situated at Giffords-by-the-Sea, Town of Southfield, Richmond County, New York, surveyed and laid out October 2, 1893, W. H. Bostwick and W. E. Widmeyer, Stapleton, C. E., as lots numbers fifty-eight (58), fifty-nine (59), sixty (60), sixty-one (61), sixty-two (62), sixty-three (63), sixty-four (64), sixty-five (65), sixty-six (66), sixty-seven (67), sixty-eight (68) and sixty-nine (69), together with all right, title and interest, if any, of the owner, of, in and to the road and streets in front thereof to the centre line thereof,

—and authorizes the Comptroller to enter into a contract for the acquisition of the same at private sale at a price not exceeding two thousand two hundred and fifty dollars ($2,250), said contract to be submitted to the Corporation Counsel for approval as to form.

Which was adopted by the following vote:

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

From Bureaus of the Board.

Bureau of Public Improvements.

Engineer's Financial Statement (Cal. No. 28).

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

Financial Statement No. D-14. October 5, 1914.

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

Sir—I beg to submit the following tabular statement, showing the estimated cost of physical improvements and the number of opening proceedings for each borough and the total for all boroughs, which have been authorized by the Board of Estimate and Apportionment since January 1, 1913, together with the physical improvements for which preliminary authorization is now outstanding:

Surface and Subsurface Improvements Given Final Authorization in 1913 *and* 1914.

Borough.	Surface Improvements.				Sewer Improvements.			
	Total, 1913.		1914 to Date.		Total, 1913.		1914 to Date.	
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
Manhattan ..	22	$320,600 00	9	$96,300 00	11	$80,700 00	8	$69,400 00
Brooklyn	336	2,557,600 00	92	622,600 00	*153	2,538,700 00	49	461,350 00
The Bronx ..	78	1,822,300 00	17	249,400 00	34	1,731,500 00	14	143,900 00
Queens	69	791,100 00	36	511,000 00	71	2,126,600 00	18	201,700 00
Richmond ...	9	45,700 00	2	4,300 00	13	59,800 00	4	5,700 00
Total..	514	$5,537,300 00	156	$1,483,600 00	*282	$6,537,300 00	93	$882,050 00

*Includes one improvement for which only partial authorization has been given.

Surface and Subsurface Improvements for Which Preliminary Authorization Is Now Outstanding.

Borough.	Surface Improvements.		Sewer Improvements.	
	No.	Amount.	No.	Amount.
Manhattan	6	$251,800 00	14	$372,500 00
Brooklyn	14	125,700 00	*13	1,906,900 00
The Bronx	14	286,400 00	6	1,218,200 00
Queens	18	365,900 00	38	1,089,100 00
Richmond	2	5,600 00	1	1,300 00
Total	54	$1,035,400 00	*72	$4,588,000 00

*Includes two improvements for which partial final authorization has been given.

Street and Park Opening Proceedings Authorized in 1913 *and* 1914.

Borough.	Total, 1913.		1914, to Date.	
	Number of Streets and Parks Affected.	Number of Proceedings.	Number of Streets and Parks Affected.	Number of Proceedings.
Manhattan	5	4	1	1
Brooklyn	35	24	5	2
The Bronx.....	31	23	1	1
Queens	35	27	8	5
Richmond	2	2	..	..
Total	108	80	15	9

A comparison of the estimated value of physical improvements for which final authorization has been given since January 1, 1914, and of all outstanding preliminary authorizations, with the value of the assessment lists relating to authorizations since January 1, 1902, returned in 1914, up to and including October 3, and the 1914 collections up to September 30 shows as follows:

Borough.	Authorizations.						Assessment Lists Returned.	Collections.
	Outstanding Preliminary Authorizations.		Final Authorizations.		Total.			
	No.	Amount.	No.	Amount.	No.	Amount.		
Manhattan	20	$624.300 00	17	$165.700 00	37	$790.000 00	$306,570 60	$238,374 93
Brooklyn	27	2,032,600 00	141	1,083.950 00	168	3,116.550 00	1,681,464 05	2,109,622 01
The Bronx	20	1,504.600 00	31	393.300 00	51	1,897,900 00	2,130.507 81	1,251.717 38
Queens	56	1,455.000 00	54	712.700 00	110	2,167,700 00	1,480,473 05	976.514 92
Richmond	3	6,900 00	6	10,000 00	9	16,900 00	66,191 82	238.971 33
Total.....	126	$5,623,400 00	249	$2,365,650 00	375	$7,989,050 00	$5,665,207 33	$4,815,200 57

Respectfully,

NELSON P. LEWIS, Chief Engineer.

New York Central and Hudson River Railroad Company—Construction of Fences Along Viaducts Carrying Park Avenue, Etc., Over the Tracks of Said Company (Cal. No. 29).

(Resolutions accepting certificates No. 2E and No. 1G, in this matter, were adopted on September 21, 1914 (Cal. No. 63).

The Secretary presented the following report of the Chief Engineer of the Board and communication from the President of the New York Central and Hudson River Railroad Company:

October 6, 1914.

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 September 21st, a report was submitted by me relative to certificates 1 G and 2 E covering the completion of the Grand Central Terminal improvement by the New York Central and Hudson River Railroad Company. In this report attention was called to the fact that wooden fences had been erected instead of the iron fences shown on the original plan, and that inasmuch as the abutting property is quite likely to be built upon in the near future the iron fences would be unnecessary. The President of the railroad, under date of July 23d, agreed that in case the Board consented to the substitution of the wooden fences for the iron fences the company would agree to maintain the same in good condition and repair, including painting and renewal when necessary. President Smith was asked for a further stipulation to the effect that if within three years the abutting property was not improved the company would then build iron fences in accordance with the original plan. This letter had not been received at the time the report was written, but came just afterward. In this second letter, which was dated September 12th, but not received until September 16th, President Smith stated that he saw no objection to including in this agreement a stipulation limiting its application to a period of three years. This letter was not considered sufficiently definite, and I have just received from him another letter which he asks me to substitute for the one last referred to, and which contains the following paragraph: "In addition to the agreement contained in said letter of July 23d, 1914, the New York Central and Hudson River R. R. Co. does hereby agree that upon the expiration of a period of three years from the date hereof to the extent that the abutting lots are not improved within said area, said the New York Central and Hudson River Railroad Co. will construct iron fences in substitution for the said wooden fences." This appears to meet the objections which were made to the first letter, and I would suggest that it be spread upon the minutes of the Board, and that the Board adopt a resolution indicating its acceptance and approval of the same. Such a resolution is herewith submitted. Respectfully,

NELSON P. LEWIS, Chief Engineer.

New York Central Lines, Grand Central Terminal, New York, September 12, 1914.

Mr. NELSON P. LEWIS, *Chief Engineer, Board of Estimate and Apportionment,* Municipal Building, New York City:

Dear Sir—Replying further to your favor of September 9th with regard to the communication which I addressed to the Board of Estimate and Apportionment, under date of July 23rd, 1914, to the effect that, provided the City of New York, through the Board of Estimate and Apportionment, would consent to the construction of wooden fences along the lines of the streets and avenues crossing the Grand Central yard, from 45th to 49th streets, inclusive, instead of iron fences shown on the plans and profiles, which are a part of the agreement between the City of New York and the railroad company, the railroad company would agree to maintain the present wooden fences in good condition and repair, which arrangement was approved by the Board of Estimate and Apportionment at the meeting of July 30, 1914, I beg to say:

In addition to the agreement contained in my said letter of July 23, 1914, the New York Central and Hudson River Railroad Company does hereby agree that, upon the expiration of a period of three years from the date hereof, to the extent that the abutting lots are not improved within said area, said the New York Central and Hudson River Railroad Company will construct iron fences in substitution for the said wooden fences. Yours very truly, A. H. SMITH, President.

The following was offered:

Whereas, The New York Central and Hudson River Railroad Company, through its President, Mr. A. H. Smith, did under date of September 12, 1914, express the understanding on the part of the said railroad company that if at the expiration of three years from the date of the said letter the property between the streets crossing the Grand Central Terminal yard should not be improved or no improvement should be imminent the railroad company would then carry out the original plans and erect iron fences in the place of the wooden fences already built, and

Whereas, The understanding expressed in this letter was not deemed by the Board of Estimate and Apportionment to be sufficiently explicit in declaring the readiness of the railroad company to substitute iron fences where the abutting property should not be improved within three years, and

Whereas, The said railroad company, through its said President, has substituted a letter specifically agreeing that upon the expiration of a period of three years from the date hereof to the extent that the abutting lots are not improved within said area said the New York Central and Hudson River Railroad Company will construct iron fences in substitution for the said wooden fences.

Resolved, That the Board of Estimate and Apportionment hereby accepts and agrees to the stipulation contained in the substituted letter of September 12, 1914, as satisfactory to the said Board.

Which was adopted by the following vote:

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

Acquiring Title to Rosedale Avenue, Commonwealth Avenue and St. Lawrence Avenue, from Westchester Avenue to West Farms Road, Borough of The Bronx (Cal. No. 30).

The Secretary presented a report of the Chief Engineer (14035) in this matter, recommending that all the petitions that have been presented for reopening this case be denied, and that the Corporation Counsel be asked to press the report of the Commissioners to confirmation at the earliest date possible.

Mr. James H. Goggin appeared in support of the petitions.

On motion, the matter was laid over one week (October 16, 1914).

Preliminary Report in the Proceeding for Acquiring Title to Lane Avenue, Westchester Avenue and the Public Place, Borough of The Bronx (Cal. No. 31).

The Secretary presented a communication dated August 24, 1914, from Frederick W. Hottenroth, requesting the Board to authorize the filing of a preliminary report as to assessments in the above proceedings; and the following report of the Chief Engineer of the Board:

Report No. 14050. October 5th, 1914.

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

Sir—Herewith is transmitted a communication from Frederick W. Hottenroth, dated August 24, 1914, requesting the Board to authorize the filing of a preliminary report as to assessments in the proceeding for acquiring title to Lane Avenue, Westchester Avenue and the Public Place, Borough of The Bronx.

This proceeding was authorized on January 11, 1907, and under a resolution adopted on November 20, 1908, the entire cost was placed upon the property benefited. The property owners subsequently petitioned the Board for relief from assessment, and the matter was referred to the Borough President on May 8, 1913. At his request the Board on July 10, 1913, authorized the Commissioners to file a separate preliminary report as to awards without a preliminary report as to assessments.

In order to properly judge the petition for relief from assessment still before the Board, it would seem advisable to also know the probable assessments in this proceeding, and it is recommended that the resolution of July 10, 1913, providing for the filing of a separate preliminary report as to awards be amended so as to include provision for filing a separate preliminary report as to assessments. Respectfully,

NELSON P. LEWIS, Chief Engineer.

On motion, the matter was referred to the Committee on Assessments.

Vesting Title to Queens Boulevard from the Easterly Side of Fiske Avenue to the Westerly Side of Grand Street and Broadway, Excepting Damage Parcel 357; and from the Southeasterly Side of Kelvin Street, Prolonged Southwestwardly to the Southwestwardly Side of Queens Boulevard, to the Southeasterly Side of Quentin Street, Prolonged Northeastwardly to the Northeasterly Side of Queens Boulevard, Borough of Queens (Cal. No. 32).

The Secretary presented the following report of the Chief Engineer of the Board:

Report No. 14052. October 6, 1914.

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 October 2d, the matter of vesting title to the land lying within the lines of Queens Boulevard where title has not yet been vested in the City was referred back to the Chief Engineer of the Board for further consideration and for specific recommendation as to the portions of this street, if any, where title could advantageously be vested in the City at the present time.

In a report submitted by the Chief Engineer of the Board at the meeting of October 2d the results of an examination of the changes in the assessed value at ten typical blocks on the line of this street were reported, and it was shown that between Fiske Avenue, up to which point title is already vested in the City, and Grand Street and Broadway, there are evidences of activity and increased values, and that in the neighborhood of the Cord Meyer development, and opposite the development of the Sage Foundation Homes Company, there was still more evidence of increasing values. Another personal inspection has been made of the entire length of the street to-day in company with representatives of the Borough President's office, and I would recommend that title be vested in The City of New York to the following portions of Queens Boulevard on October 10th:

I. From the easterly side of Fiske Avenue to the westerly side of Grand Street and Broadway.

II. From the southeasterly side of Kelvin Street prolonged southwesterly to the southwesterly side of Queens Boulevard; to the southeasterly side of Quentin Street prolonged northeastwardly to the northeasterly side of Queens Boulevard.

The total length of the two sections above named is approximately 10,500 feet. I have omitted from the recommendation the section between Grand street and Broadway and Kelvin street and the section between Quentin street, which is just east of Union Turnpike, and Hillside avenue. These two sections have a combined length of approximately 16,000 linear feet. The reason for including one short block beyond Union Turnpike is to clean up the area at the intersection of Kew Gardens Road and Queens Boulevard.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The following was offered:

Whereas, The Board of Estimate and Apportionment, on the 19th day of October, 1911, adopted a resolution requesting the Corporation Counsel to institute proceedings to acquire title in fee wherever the same has not heretofore been acquired, for the use of the public, to the lands, tenements and hereditaments that shall or may be required for the purpose of opening and extending Queens Boulevard, from Van Dam Street to Hillside Avenue, which proceeding was amended June 26, 1914, so as to conform to map changes made by the Board on March 13, 1914, and May 28, 1914, in the Borough of Queens, City of New York, and

Whereas, Commissioners of Estimate and Assessment have been appointed by the Supreme Court in proceedings to acquire title to said street, and the oaths of said Commissioners of Estimate and Assessment were duly filed as required by law on the 14th day of November, 1912;

Resolved, That the Board of Estimate and Apportionment of The City of New York in pursuance of the provisions of Section 990 of the Greater New York Charter, as amended, directs that upon the 10th day of October, 1914, the title in fee to each and every piece or parcel of land lying within the lines of said

I. Queens Boulevard, from the easterly side of Fiske Avenue to the westerly side of Grand Street and Broadway, excepting Damage Parcel 357.

II. From the southeasterly side of Kelvin Street prolonged southwestwardly to the southwesterly side of Queens Boulevard to the southeasterly side of Quentin Street prolonged northeastwardly to the northeasterly side of Queens Boulevard,

—in the Borough of Queens, City of New York, so required, shall be vested in The City of New York.

Which was adopted by the following vote:

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

Bureau of Contract Supervision.

Department of Public Charities—Approval of Form of Contract, Plans, Specifications, Etc. (Cal. No. 33).

The Secretary presented a communication from the First Deputy Commissioner of Public Charities dated July 30, 1914, requesting approval of form of contract, plans, etc., for the erection and completion of a suction ash conveyor plant at the power house on Randalls Island; and the following report of the Bureau of Contract Supervision recommending denial thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, October 5, 1914.

Board of Estimate and Apportionment:

Gentlemen—On July 31, 1914, the Commissioner of Public Charities requested approval of the form of contract, plans, specifications and estimate of cost in the sum of $6,000 for the erection and completion of a suction ash conveyor plant at the Power House, Randall's Island, the cost to be charged to the Corporate Stock fund entitled "C.CH.40c-d, Construction and Equipment of a Boiler House, Heating Plant and Laundry Plant, Randall's Island, $245.000."

In view of the fact that a similar plant, erected more than a year ago for the Department of Water Supply, Gas and Electricity, at the Ridgewood Pumping Station, has not given satisfactory service, and as this method of ash removal is in an experimental stage, I recommend that the request be denied.

Respectfully, TILDEN ADAMSON, Director.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution adopted July 17, 1911, hereby *denies* the request of the Commissioner of Public Charities, as set forth in a communication dated July 31, 1914, for approval of the form of contract, plans, specifications and estimate of cost in the sum of six thousand dollars ($6,000) for the erection and completion of a suction ash conveyor plant at the Power House, Randall's Island.

Which was adopted by the following vote:

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

The Secretary was then directed to send copy of the report of the Bureau of Contract Supervision to the Commissioner of Public Charities.

Public Recreation Commission—Amendment of Resolution Approving Contracts, Etc., for Construction of Betsy Head Memorial Playground, Borough of Brooklyn (Cal. No. 34).

The Secretary presented the following report of the Bureau of Contract Supervision:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, October 6, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—Under date of July 2, 1914, a resolution was adopted by the Board of Estimate and Apportionment approving the plans, specifications and estimated cost of constructing the Betsy Head Memorial Playground in Brooklyn at an estimated cost of $175,748, the said estimated cost to include general construction, plumbing, water supply, drainage, heating and architect's fees.

On August 28, 1914, the Public Recreation Commission opened bids for the construction of the playground and the lowest bidder on each class of work was as follows:

General construction $144.000 00

Plumbing, water supply and drainage..... 15,750 00
Steam heating 11,500 00
—or a total of $171,250.

In addition there must be added to this amount the architect's fee of 6 per cent. of the total cost, which amounts to $10,275, or a grand total cost for the construction and architect's fees of $181,525, which amount is in excess of the amount authorized by the Board of Estimate and Apportionment on July 2, 1914. The funds available for the construction of the Betsy Head Memorial Playground amount to $187,746.84.

I recommend that since the actual contract cost of constructing the playground, plus the architect's fees, is less than the amount available for this work, though the same be slightly in excess of the preliminary estimates, that the following resolution approving of the increase in the cost of construction and awarding of the contracts be adopted. Respectfully, TILDEN ADAMSON, Director.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Estimate and Apportionment July 2, 1914, as follows:

"Resolved, That the Board of Estimate and Apportionment hereby approves plans, specifications and an estimate of cost of *one hundred and seventy-five thousand seven hundred and forty-eight* ($175,748), including architect's fees, for the complete construction of the Betsy Head Memorial Playground, under the jurisdiction of the Public Recreation Commission, provided that the plans and specifications be so changed as to eliminate the filter plant, to reduce the size of the basement of the bath building by the area proposed to be occupied by the filter plant and to reduce the depth of the swimming pool as outlined in report of the Bureau of Contract Supervision, dated July 3, 1914, and to add to the plans and specifications provision for fencing the entire property."

—*be amended by increasing the estimate of cost to one hundred eighty-one thousand five hundred and twenty-five dollars* ($181,525).

Which was adopted by the following vote:

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

Negative—The President of the Borough of The Bronx—1.

LOCAL IMPROVEMENTS.

Preliminary Authorization.

Borough of Manhattan.

Regulating and Reregulating the Service Street on the Easterly Side of Riverside Drive Between West 158th Street and West 160th Street, and Paving the Roadway Between West 158th Street and West 161st Street, Borough of Manhattan (Cal. No. 35).

The Secretary presented a resolution adopted on July 7, 1914, by the Local Board of the Washington Heights District, Borough of Manhattan, initiating proceedings for this improvement; and the following communication from the President of the Borough of Manhattan and report of the Chief Engineer:

City of New York, President of the Borough of Manhattan, Municipal Building, October 1, 1914.

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

Dear Sirs—Under date of July 8, 1914, the Local Board of the Washington Heights District passed a resolution for the reregulating, regrading, recurbing and paving of the Riverside Drive service street, from 158th Street to 161st Street.

This matter is brought to the attention of the Board because of its urgency on account of the fact that the property is almost entirely developed; and unless the matter can be accelerated this fall the tenants who are now moving into the buildings will be burdened with the necessity of using a dirt roadway during the fall, winter and spring. There is every evidence to show that the assessment will be paid promptly and no burden placed upon the street improvement fund.

It is therefore requested that the Chief Engineer be directed to report this matter at the earliest possible moment, both preliminary and final authorizations being requested, since the work required in connection with the preliminary authorization has already been completed in the office of the borough. Very truly yours,

MARCUS M. MARKS, President, Borough of Manhattan.

Report No. 14049. October 6, 1914.

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 July 7, 1914, initiating proceedings for regrading the Service Street on the easterly side of Riverside Drive from West 158th Street to West 160th Street, and for curbing and recurbing, and paving this street with asphalt (permanent pavement) for a width of 20 feet from West 158th Street to West 161st Street.

This resolution affects two blocks, or about 1,000 feet of the Service Street, title to which has been legally acquired.

At the request of the Borough President, a resolution was adopted on December 17, 1909, fixing the roadway width of this street at 27 feet. It would appear, therefore, that the pavement is to be limited to only a portion of the roadway width, but the location of the strip to be paved with reference to the side lines of the street is not indicated in the resolution. The Corporation Counsel has heretofore advised the Board as to the desirability of accurately defining the extent of an improvement in order that it may be clearly left a matter of record.

I would therefore recommend that the resolution be referred back to the Local Board to be amended in such a way as to describe the exact location of the area to be improved. Respectfully, NELSON P. LEWIS, Chief Engineer.

On motion the matter was referred back to the Local Board of the Washington Heights District.

Rescinding the Resolution Granting Preliminary Authorization for Regulating and Grading West 218th Street, from Seaman Avenue to Isham Avenue, Borough of Manhattan (Cal. No. 36).

The Secretary presented a communication, dated September 25, 1914, from the Secretary to the President of the Borough of Manhattan, advising that owing to a contemplated map change in the vicinity of this improvement the Local Board of Washington Heights District had rescinded its resolution of June 21, 1910, for regulating and grading 218th Street, from Seaman Avenue to Isham Avenue, and requesting that the resolution adopted by the Board of Estimate and Apportionment on June 12, 1914, granting preliminary authorization for said improvement, be rescinded and the matter held in abeyance until such time as the map change is completed; and the following report of the Chief Engineer:

Report No. 14037. October 2nd, 1914.

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 June 12th, 1914, and in accordance with a resolution of the Local Board of the Washington Heights District, Borough of Manhattan, adopted on June 21st, 1910, preliminary authorization was granted for grading, curbing and flagging West 218th Street from Seaman Avenue to Isham Avenue.

The work was estimated to cost about $10,800, and the assessed valuation of the property to be benefited was stated to be $50,600.

In a communication bearing date of September 25th last, which is herewith transmitted, the Secretary to the Borough President now advises that on September 22nd previous the Local Board adopted a resolution rescinding its resolution under which this proceeding was initiated. He states that such action was taken for the reason that a map change is contemplated which will materially affect this portion of West 218th Street, and advises that no expenses have been incurred that can be charged against the Street Improvement Fund. It is accordingly requested that the resolution under which preliminary authorization was granted be rescinded.

I can see no reason why this should not be done, and would recommend the adoption of a resolution rescinding the resolution of June 12th, 1914, under which preliminary authorization was granted for regulating and grading West 218th Street between the limits named. 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 hereby rescinds resolution adopted by said Board on June 12, 1914, granting preliminary authorization for regulating, grading, curbing and flagging 218th Street, from the easterly house line of Seaman Avenue to Isham Avenue, and in connection therewith laying necessary bridgestone, Borough of Manhattan.

Which was adopted by the following vote:

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

Borough of Brooklyn.

Sewers in 17th Avenue, from 54th Street to 55th Street, and in 54th Street, from 17th Avenue to 19th Avenue, Borough of Brooklyn (Cal. No. 37).

The Secretary presented a resolution adopted on May 4, 1910, by the Local Board of the Flatbush District, Borough of Brooklyn, initiating proceedings for this improvement; and the following report of the Chief Engineer:

Report No. 14021. September 29, 1914.

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 Flatbush District, Borough of Brooklyn, adopted on May 4, 1910, initiating proceedings for constructing sewers in the following streets: 17th Avenue from 54th Street to 55th Street; 54th Street from 17th Avenue to 19th Avenue. Title to 17th Avenue has been legally acquired.

An opening proceeding relating to 54th Street from Fort Hamilton Avenue to 11th Avenue, from New Utrecht Avenue to 13th Avenue, and from 15th Avenue to 19th Avenue, together with 55th Street from 16th Avenue to 19th Avenue, excluding in each case the right of way of the Long Island Railroad, was instituted by the Board of Estimate and Apportionment on March 21, 1912. The oaths of the Commissioners of Estimate and Assessment were filed on October 24, 1913, and title to the land can be vested in the City at any time.

The resolution now presented affects one short block of 17th Avenue and two long blocks of 54th Street, aggregating about 1,700 feet. A narrow roadway falls within the lines of the former street, but the latter is not in use. The property abutting upon the streets is only slightly improved, and in the case of 54th Street buildings, at 18th Avenue, fall within the street lines.

The sewers are intended to serve as the continuing outlet for a sewer which is desired in 55th Street from 15th Avenue to 16th Avenue, in which street the property abutting upon the westerly block is almost fully improved with detached houses. These have been equipped with cesspools and the construction of the public sewer is urgently desired not only to avoid the expense incidental to the construction of additional cesspools, but also for the preservation of the public health. The outlet sewer in 19th Avenue is built.

In a recent communication the Acting Borough President requests that the preliminary work for this improvement be immediately authorized. He states that the improvement is petitioned for by eighteen persons, only two of whom, however, own property within the area directly benefited, the remaining petitioners evidently being interested in the sewer in 55th Street hereinbefore referred to. Information is presented showing that the land in both the areas directly and indirectly benefited has a value of $26 per linear foot of frontage, and that the estimated cost of the sewer in the direct area of benefit amounts to $3, and in the indirect area to $1 per front foot.

The work is estimated to cost about $16,000, and the assessed valuation of the property to be benefited is $393,205.

In my judgment the necessity of immediately proceeding with the construction of this sewer to relieve the conditions described as existing in the block of 55th Street from 15th Avenue to 16th Avenue is apparent, and I would recommend that the preliminary authorization be given.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Brooklyn offered the following:

Whereas, the President of the Borough of Brooklyn has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 4th day of May, 1910, and approved by the President of the Borough of Brooklyn on the 29th day of May, 1914, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to construct a sewer in 17th Avenue, between 54th and 55th Streets, and an outlet sewer in 54th Street, between 17th and 19th Avenues."

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

Regulating and Grading Fanchon Place, from Jamaica Avenue to Eastern Parkway Extension, Borough of Brooklyn (Cal. No. 38).

The Secretary presented a resolution adopted on June 14, 1909, by the Local Board of the New Lots District, Borough of Brooklyn, initiating proceedings for this improvement; and the following report of the Chief Engineer:

Report No. 14041. October 2, 1914.

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 New Lots District, Borough of Brooklyn, adopted on June 14th, 1909, initiating proceedings for grading, curbing and flagging Fanchon Place from Jamaica Avenue to Eastern Parkway Extension.

This street was made the subject of an opening proceeding instituted on May 8th, 1908. The street at that time included within its lines a portion of a large car barn, and owing to the opposition of the owners the Supreme Court, on November 19th, 1913, limited the confirmation of the Commissioners' report to the remaining portion of the land needed for the street. The street lines were subsequently changed so as to leave the car barn outside of the street area, and a corresponding amendment was effected in the opening proceeding on June 26th, 1914. The City's title to the land within the present street lines has therefore been now legally acquired, but the delay in carrying out the opening proceeding has made it necessary to defer the consideration of a physical improvement for Fanchon Place up to the present time.

The resolution affects two blocks or about 600 feet of Fanchon Place. An approximately graded roadway is in use and the abutting property is well built up.

In a communication bearing date of August 14th last, the Borough President requests that the preliminary authorization for this improvement be granted at the earliest date possible. He states that the improvement is petitioned for by six property owners representing about ten per cent. of the frontage, which has an asssessed valuation, excluding buildings, of $75.60 per linear foot.

The cost of the improvement is estimated to be about $2,300, or approximately $4 per linear foot, and the assessed valuation of the property within the area deemed to be benefited is stated to be $40,000.

In view of the fact that the frontage is largely built up and that the improvement has been seriously interfered with because of delay in carrying out the opening

proceeding, it would seem proper to grant the preliminary authorization at this time, and such action is recommended. Respectfully,

NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Brooklyn offered the following:

Whereas, the President of the Borough of Brooklyn has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the New Lots District, duly adopted by said Board on the 14th day of June, 1909, and approved by the President of the Borough of Brooklyn on the 21st day of June, 1909, as follows, to wit:

"Resolved, That the Local Board of the New Lots District hereby initiates proceedings to regulate, grade, set curb on concrete and lay cement sidewalks on Fanchon Place, between Jamaica Avenue and Eastern Parkway Extension;"

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

Sewers in 58th Street from 19th Avenue to 20th Avenue, and in 20th Avenue from 58th Street to 60th Street, Borough of Brooklyn (Cal. No. 39).

The Secretary presented a resolution adopted on May 13, 1914, by the Local Board of the Flatbush District, Borough of Brooklyn, initiating proceedings for this improvement; and the following report of the Chief Engineer:

Report No. 14039. October 2, 1914.

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 Flatbush District, Borough of Brooklyn, adopted on May 13th, 1914, initiating proceedings for constructing sewers in the following streets: 58th Street, from 19th Avenue to 20th Avenue; 20th Avenue, from 58th Street to 60th Street.

Title to 20th Avenue has been legally acquired, and the Corporation Counsel has advised that 58th Street is dedicated to public use. The resolution affects one long block of the latter street and two short blocks of the former, aggregating about 1,200 feet. The streets in each case are approximately graded but the abutting property at the present time is only slightly improved. A recent inspection shows that a number of buildings are in process of construction on the westerly side of 20th Avenue at 58th Street. The outlet sewer is built.

In a recent communication the Borough President has requested that the preliminary work for this improvement be now authorized. He states that the improvement is petitioned for by six property owners representing about 12½ per cent. of the frontage which has an assessed valuation, excluding buildings, of $25 per linear foot in both the area directly and indirectly benefited. In the former case it is estimated that the frontage will be assessed at the rate of $2 per foot, and in the latter at the rate of about $1 per foot. It is also stated that in addition to the petitioners the improvement is desired by a property owner who is about to erect 14 houses on the abutting property.

The work is estimated to cost about $7,200, or $6 per linear foot, and the assessed valuation of the property to be benefited is stated to be $231,870.

In view of the comparatively large number of buildings which are about to be erected on these streets, and of the small probable cost of the sewer construction, it would appear that the improvement might properly be given preliminary authorization at this time, and such action is recommended. Respectfully,

NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Brooklyn offered the following:

Whereas, The President of the Borough of Brooklyn has transmiteed to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 13th day of May, 1914, and approved by the President of the Borough of Brooklyn on the 12th day of June, 1914, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to construct a sewer in 58th Street, fram 19th Avenue to 20th Avenue, and an outlet sewer in 20th Avenue, between 58th and 60th Streets,"

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

Paving East 9th Street, from Avenue N to Avenue O, Borough of Brooklyn—Preliminary and Final Authorization (Cal. No. 40).

The Secretary presented a resolution adopted on July 2, 1913, by the Local Board of the Flatbush District, Borough of Brooklyn, initiating proceedings for this improvement, two communications, dated September 28, 1914, from the President of the Borough of Brooklyn, requesting that the preliminary and final authorizations for this improvement be placed on the calendar; and the following report of the Chief Engineer:

Report No. 14025. September 29, 1914.

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 Flatbush District, Borough of Brooklyn, adopted on July 2, 1913, initiating proceedings for paving with asphalt (preliminary pavement) East 9th Street, from Avenue N to Avenue O.

This resolution affects one long block of East 9th Street, title to which has been legally acquired. The street has been graded, curbed and flagged. and the abutting property has nearly all been improved with detached frame dwellings. All of the subsurface structures have been provided. The Acting Borough President has requested that a report upon this improvement be presented for the consideration of the Board, and has advised that all of the preliminary work has been completed without making any charge against the Street Improvement Fund. He states that the work has been petitioned for by seven property owners representing a little more than 15 per cent. of the frontage, and that the benefited property has an assessed valuation, excluding buildings, of about $50 per linear foot.

The work is estimated to cost about $6,100, this representing an assessment at the rate of about $3.81 per linear foot of frontage. The assessed valuation of the entire property benefited is $79,900.

In my judgment the improvement is of a desirable character and one in keeping with the present condition of the property; at the same time it should be noted that the existing roadway is in a fair condition and that for this reason the laying of the pavement cannot be construed to be of extreme urgency.

In view of the determination heretofore reached by the Board relative to the deferring of such work as could be postponed without inflicting hardship, I believe that the authorization should be withheld at this time. The matter, however, is submitted for such action as may be deemed proper.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Brooklyn offered the following:

Whereas, The President of the Borough of Brooklyn has transmiteed to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 2nd day of July, 1913, and approved by the President of the Borough of Brooklyn on the 5th day of August, 1913, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to lay a preliminary asphalt pavement on a 5-inch concrete foundation on East 9th Street, from Avenue N to Avenue O,"

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

The President of the Borough of Brooklyn offered the following:

A copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 2nd day of July, 1913, and approved by the President of the Borough of Brooklyn on the 5th day of August, 1913, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to lay a preliminary asphalt pavement on a 5-inch concrete foundation on East 9th Street, from Avenue N to Avenue O,"

—and thereupon, on the 9th day of October, 1914, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn 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 Brooklyn 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 Brooklyn, 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 $6,200; 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 $79,900, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Sewer in 55th Street from 15th Avenue to 17th Avenue, Borough of Brooklyn (Cal. No. 41).

The Secretary presented a resolution adopted on July 15, 1907, by the Local Board of the Bay Ridge District, Borough of Brooklyn, initiating proceedings for this improvement; and the following report of the Chief Engineer:

Report No. 14040. October 2, 1914.

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 Bay Ridge District, Borough of Brooklyn, adopted on July 15th, 1907, initiating proceedings for constructing a sewer in 55th Street from 15th Avenue to 17th Avenue.

The Corporation Counsel has previously advised that 55th Street from 15th Avenue to 16th Avenue is dedicated to public use. An opening proceeding relating to the street from 16th Avenue to 19th Avenue, together with 54th Street, from Fort Hamilton Avenue to 11th Avenue, from New Utrecht Avenue to 13th Avenue, and from 15th Avenue to 19th Avenue, excluding in each case the right-of-way of the Long Island Railroad, was instituted by the Board of Estimate and Apportionment on March 21st, 1912. The oaths of the Commissioners of Estimate and Assessment were filed on October 24th of the following year, and title to the land can be vested in the City at any time.

The resolution now presented affects two long blocks of 55th Street. The street is in use through the entire distance and in the westerly block the abutting property is largely improved with detached houses. These at the present time drain into cesspools, and the property owners desire the construction of a public sewer not only so that the expense of installing additional cesspools may be avoided, but also that the public health may be conserved.

A favorable report has been prepared upon a Local Board resolution providing for the continuing outlet sewer in 17th Avenue, and in 54th Street from 17th Avenue to 19th Avenue, beyond which point the outlet sewer is built.

In a recent communication the Acting Borough President has requested that the preliminary work for this improvement be immediately authorized. He states that the improvement is petitioned for by twenty-one property owners, representing forty-five per cent. of the frontage, which is valued at $35 per linear foot, excluding buildings. The estimated cost of the sewer in the area directly benefited is $2.50 and it is estimated that the assessment for the work in the area indirectly benefited will amount to about $0.50 per linear foot of frontage.

The work is estimated to cost about $8,200, and the assessed valuation of the property to be benefited is $96,640.

In my judgment the preliminary authorization of this improvement can properly be given at this time and such action is recommended, with the understanding, however, that the construction will not be authorized until the outlet sewer has been provided for. Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Brooklyn offered the following:

Whereas, the President of the Borough of Brooklyn has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Bay Ridge District, duly adopted by said Board on the 15th day of July, 1907, and approved by the President of the Borough of Brooklyn on the 31st day of July, 1907, as follows, to wit:

"Resolved, that this Board does hereby initiate proceedings for the said local improvement, to wit: To construct a sewer in 55th Street, between 15th and 17th Avenues."

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

Borough of The Bronx.

Rescinding the Resolution Authorizing the Construction of a Drain in Robertson Street, Between East 242d Street and East 243d Street, Borough of The Bronx (Cal. No. 42).

The Secretary presented a communication, dated July 23, 1914, from the Acting President of the Borough of The Bronx, calling attention to a resolution adopted by the Local Board of the Chester District on July 7, 1914, requesting that the preliminary authorization for this improvement granted by the Board of Estimate and Apportionment on December 4, 1913, be rescinded; and the following report of the Chief Engineer:

Report No. 14017. September 30, 1914.

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

Sir—Herewith is transmitted a communication from the Acting President of the Borough of The Bronx, bearing date of July 23, 1914, advising that the Local Board of the Chester District at a meeting held on July 7, 1914, adopted a resolution recommending that the resolution of the Board of Estimate and Apportionment of December 4, 1913, under which preliminary authorization was granted for the construction of a storm water drain in Robertson Street, between East 242d Street and East 243d Street, be rescinded, this request being based on a belief that a part of the expense should be assumed by the City of Mt. Vernon.

The records of the Board show that on November 6, 1913, the Board was advised by the Borough President that frequent requests had been received from the authorities of Mt. Vernon for the abatement of a nuisance due to the discharge of storm water from territory adjoining Robertson Street and East 243d Street across the City boundary into Mt. Vernon. He also stated that the matter had been considered by the Local Board of the district on various dates up to October 20, at which time the Local Board voted its denial. In accordance with the request then presented and after giving a public hearing the Board adopted a resolution granting preliminary authorization for the improvement, this action having been taken pursuant to an opinion previously rendered by the Corporation Counsel, in which it was held that where the public health or safety warranted the Board was in possession of authority to authorize local improvements in the absence of a Local Board resolution.

The work was estimated to cost about $4,600, and the assessed valuation of the property to be benefited was stated to be $188,000.

On December 18 following a communication was received from the Wakefield Improvement League transmitting a resolution adopted by that body protesting against the carrying out of the improvement, and requesting an opportunity to be heard. This protest was then referred to the Borough President, who has presented no further report in the matter.

I am informed that expenses have been incurred by reason of the authorization to the amount of $6.86, which amount has been charged against the Street Improvement Fund.

In the absence of any distinct advice which would controvert the description of the condition existing at the time when this improvement was authorized and of power to impose any portion of the cost of this improvement upon territory outside of the City limits, it would appear that no change in the situation has taken place since the time when authorization was given by the Board of Estimate and Apportionment. Lacking such a statement, I see no reason why the Board should withdraw from the position originally taken and would recommend that the request of the Local Board be denied.

In case the matter is again presented and in such form as to warrant favorable action, it might be noted that information should also be presented to show that the property owners are prepared to reimburse the Street Improvement Fund for any charges which may have been incurred up to that time.

Respectfully, NELSON P. LEWIS, Chief Engineer.

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 said Board on December 4, 1913, granting preliminary authorization for the construction of a drain in Robertson Street, between East 242nd Street and East 243rd Street, in the Borough of The Bronx.

Which was adopted by the following vote:

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

Paving and Curbing Exterior Street, from East 151st Street to Jerome Avenue, Borough of The Bronx (Cal. No. 43).

The Secretary presented a resolution adopted on May 12, 1914, by the Local Board of the Van Courtlandt District, Borough of The Bronx, initiating proceedings for this improvement; and the following report of the Chief Engineer:

Report No. 14020. September 23rd, 1914.

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 Van Courtlandt District, Borough of The Bronx, adopted on May 12th, 1914, initiating proceedings for paving with granite block (preliminary pavement), and for curbing where necessary Exterior Street from East 151st Street to Jerome Avenue.

This resolution affects about 1,200 feet of Exterior Street, title to which has been legally acquired. The street is graded, curbed and flagged, excepting at the crossing with the Port Morris Railroad, where the tracks are in deep cut and the continuity of the street is interrupted. The abutting property is entirely unimproved and, with the exception of the water main south of the railroad, none of the subsurface structures has been provided.

The street forms a desirable connection between the adjoining paved area on the south and Jerome Avenue, and is probably desired as a traffic artery rather than to provide access to the frontages. In the absence of most of the subsurface improvements the completion of which it has been the practice of the Board to require prior to the paving, it is proposed to lay the granite blocks on sand, this involving a minimum first cost and being comparatively inexpensive to replace if later opened up for trenching purposes.

North of East 158th Street, this comprising about one-half of the section under consideration, Exterior Street passes through Macombs Dam Park, and at the bridge approach leading to East 162nd Street a drainage pocket occurs in the street grade because of the necessity for providing a sufficient clearance under the structure. It would therefore seem that a sewer is here needed before further surface improvements are carried out unless suitable drainage facilities were made in connection with the grading work. The water main will probably not be here needed unless required for circulation purposes.

On February 29th, 1912, and to provide conditions such as to permit of the erection of a highway bridge over the railroad tracks, a map was approved under which the street grades at the railroad crossing were raised about two feet. This was subsequent to the carrying out of the grading improvement, so that it appears that a considerable amount of embankment will be needed to bring the street to the legal elevation. A recent inspection of the ground shows that the bridge which will be needed to open up a serviceable highway is under construction.

I would recommend that the resolution be returned to the Local Board without approval, with the suggestion that it be amended in such a way as to include any work of regrading that may be required, and also that if the matter is again presented for the consideration of the Board information be forwarded as to the propriety of completing the subsurface structures prior to carrying out the work.

Respectfully, NELSON P. LEWIS, Chief Engineer.

On motion, the Secretary was directed to return the Local Board resolution to the President of the Borough of The Bronx for amendment, as recommended in the report of the Chief Engineer.

Final Authorization.

Borough of Manhattan.

Curbing, Recurbing, Flagging, Reflagging and Paving West 156th Street from the Marginal Street to 8th Avenue, Borough of Manhattan (Cal. No. 44).

The Secretary presented the following report of the Chief Engineer:

Report No. 14051. October 6, 1914.

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

Sir—Herewith is transmitted a communication from the Acting President of the Borough of Manhattan advising that all of the conditions imposed by the Board on October 2, 1914, in granting the preliminary authorization for curbing and recurbing, flagging and reflagging and paving with granite block (permanent pavement) West 156th Street, from the Marginal Street to 8th Avenue, have been complied with.

Information was presented in connection with the Local Board resolution to show that the probable cost of the improvement would be about $8,700. The Acting Borough President states that the time to be allowed for the completion of the improvement is 40 days and that the expense incurred for the preliminary work amounts to $30. The work to be done comprises the following: 1,010 linear feet new and old curbing, 2,600 square feet new and old flagging; 1,700 square yards granite block pavement. The cost of the improvement is now estimated to be $8,800.

The urgency for this improvement was fully established at the time when the preliminary authorization was given, and favorable action is recommended.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The following was offered:

A copy of a resolution of the Local Board of the Washington Heights District, duly adopted by said Board on the 3rd day of February, 1914, and approved by the President of the Borough of Manhattan on the 4th day of February, 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:

"To pave with a permanent granite block pavement on concrete foundation, curb, recurb, flag and reflag 156th Street, from the west side of the marginal street to the east side of 8th Avenue,"

—and thereupon, on the 2nd day of October, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Manhattan to prepare the necessary plans, specifications and an estimate of 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 Manhattan 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 Manhattan, 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 $8,800; 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 $139,000, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Borough of Brooklyn.

The Secretary presented the following report of the Chief Engineer of the Board, relating to Cal. Nos. 45 to 52, inclusive:

Report No. 14042. October 5, 1914.

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

Sir—Herewith are transmitted eight communications from the President of the Borough of Brooklyn, advising that the conditions imposed by the Board prior to the authorization of the following local improvements have been complied with.

1. Sewer in 90th Street from 2nd Avenue to 3rd Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 10, 1914, at which time information was presented to show that its probable cost would be about $2,800. The Borough President states that the time to be allowed for the completion of the improvement is 35 days, and that the expense incurred for the preliminary work amounts to $41.93.

The work to be done comprises the following: 43 lineal feet 15-inch pipe sewer, 685 lineal feet 12-inch pipe sewer, 7 manholes. The cost of the improvement is now estimated to be $2,700.

2. Sewers in the following streets: New Lots Avenue from Williams Avenue to the existing sewer about 15 feet east of Pennsylvania Avenue; Sheffield Avenue from New Lots Avenue to Hegeman Avenue; together with a temporary connection with the existing sewer in Hegeman Avenue at the intersection with Sheffield Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $10.500. The Borough President states that the time to be allowed for the completion of the improvement is 70 days, and that the expense incurred for the preliminary work amounts to $83.40.

The work to be done comprises the following: 800 lineal feet 24-inch pipe sewer, 80 lineal feet 20-inch pipe sewer, 1,250 lineal feet 12-inch pipe sewer, 20 manholes, 8 receiving basins. The cost of the improvement is now estimated to be $9,600.

3. Grading, curbing and flagging 39th Street from 14th Avenue to West Street.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $3.700. The Borough President States that the time to be allowed for the completion of the improvement is 30 days, and that the expense incurred for the preliminary work amounts to $93.79.

The work to be done comprises the following: 1.700 cubic yards excavation, 1,520 lineal feet cement curbing, 7.130 square feet cement sidewalk. The cost of the improvement is now estimated to be $3,200.

4. Paving with asphalt (preliminary pavement) 45th Street from 13th Avenue to 14th Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $5,300. The Borough President states that the time to be allowed for the completion of the improvement is 30 days, and that the expense incurred for the preliminary work amounts to $9.17.

The work to be done comprises the laying of 2,385 square yards of asphalt pavement.

The cost of the improvement is now estimated to be $4,400.

5. Paving with asphalt (permanent pavement) Dumont Avenue from Howard Avenue to a point 125 feet east of Hopkinson Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $18,000. The Borough President states that the time to be allowed for the completion of the improvement is 35 days, and that the expense incurred for the preliminary work amounts to $23.04.

The work to be done comprises the laying of 7,735 square yards of asphalt pavement. The cost of the improvement is now estimated to be $15,100.

6. Sewers in the following streets: 11th Avenue from 70th Street to 72d Street; 70th Street from 10th Avenue to 11th Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 10, 1914, at which time information was presented to show that its probable cost would be about $4,200. The Borough President states that the time to be allowed for the completion of the improvement is 45 days, and that the expense incurred for the preliminary work amounts to $40.25.

The work to be done comprises the following: 43 linear feet 15-inch pipe sewer, 1,177 linear feet 12-inch pipe sewer, 12 manholes. The cost of the improvement is now estimated to be $4,700.

7. Sewer in East 7th Street from Avenue K to Avenue L.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 10, 1914, at which time information was presented to show that its probable cost would be about $5,800. The Borough President states that the time to be allowed for the completion of the improvement is 45 days, and that the expense incurred for the preliminary work amounts to $44.23.

The work to be done comprises the following: 840 linear feet 24-inch pipe sewer, 40 linear feet 18-inch pipe sewer, 30 linear feet 12-inch pipe sewer, 6 manholes, 2 receiving basins. The cost of the improvement is now estimated to be $5,500.

8. Paving with asphalt (preliminary pavement) East 15th Street from Avenue O to Kings Highway.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $11,400. The Borough President states that the time to be allowed for the completion of the improveemnt is 30 days, and that the expense incurred for the preliminary work amounts to $24.60.

The work to be done comprises the laying of 5,145 square yards of asphalt pavement.

The cost of the improvement is now estimated to be $9,400.

The urgency for these improvements was fully established at the time when the preliminary authorization was given and favorable action is recommended.

It is also recommended that title be vested in the City on November 2, 1914, to the following streets: 70th Street from 10th Avenue to 11th Avenue, East 7th Street from Avenue K to Avenue L.

Respectfully, NELSON P. LEWIS, Chief Engineer.

Sewer in 90th Street, from 2d Avenue to 3d Avenue, Brooklyn (Cal. No. 45).

The following was offered:

A copy of a resolution of the Local Board of the Bay Ridge District, duly adopted by said Board on the 4th day of December, 1911, and approved by the President of the Borough of Brooklyn on the 9th day of May, 1914, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Bay Ridge District hereby initiates proceedings to construct a sewer in 90th Street, between 2nd and 3rd Avenues,"

—and thereupon, on the 10th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn to prepare the necessary plans, specifications and an estimate of 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 Brooklyn 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 Brooklyn, 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 $2,700; 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 $98,700, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Sewers in New Lots Avenue, from Williams Avenue to the Existing Sewer About 15 Feet East of Pennsylvania Avenue; Sheffield Avenue, from New Lots Avenue to Hegeman Avenue; together with a Temporary Connection with the Existing Sewer in Hegeman Avenue at the Intersection with Sheffield Avenue, Brooklyn (Cal. No. 46).

The following was offered:

A copy of a resolution of the Local Board of the New Lots District, duly adopted by said Board on the 17th day of June, 1914, and approved by the President of the Borough of Brooklyn on the 19th day of June, 1914, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the New Lots District hereby initiates proceedings to construct sewers in New Lots Avenue, from Williams Avenue to the end of the existing sewer about 15 feet east of Pennsylvania Avenue, and outlet sewer in Sheffield Avenue, from New Lots Avenue to Hegeman Avenue, with a temporary connection at Sheffield Avenue and Hegeman Avenue."

—and thereupon, on the 30th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn 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 Brooklyn 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 Brooklyn, 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 $9,600; 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 $398,530, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Regulating and Grading 39th Street, from 14th Avenue to West Street, Brooklyn (Cal. No. 47).

The following was offered:

A copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 18th day of March, 1914, and approved by the President of the Borough of Brooklyn on the 9th day of May, 1914, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to grade, curb and lay sidewalks on 39th Street, from 14th Avenue to West Street;"

—and thereupon, on the 30th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn 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 Brooklyn 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 Brooklyn, 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 $3,200; 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 $94,450, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Paving 45th Street, from 13th Avenue to 14th Avenue, Brooklyn (Cal. No. 48).

The following was offered:

A copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 2nd day of July, 1913, and approved by the President of the Borough of Brooklyn on the 1st day of August, 1913, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to lay a preliminary asphalt pavement on a 5-inch concrete foundation on 45th Street, from 13th Avenue to 14th Avenue."

—and thereupon, on the 30th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn 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 Brooklyn 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 Brooklyn, 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 $4,400; 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 $77,600, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Paving Dumont Avenue, from Howard Avenue to a Point 125 Feet East of Hopkinson Avenue, Brooklyn (Cal. No. 49).

The following was offered:

A copy of a resolution of the Local Board of the New Lots District, duly adopted by said Board on the 27th day of June, 1912, and approved by the President of the Borough of Brooklyn on the 9th day of May, 1914, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the New Lots District hereby amends resolution of April 25, 1906, initiating proceedings to pave with asphalt on concrete Dumont Avenue, from a point 125 feet east of Hopkinson Avenue to Howard Avenue, by providing for a permanent asphalt pavement, so as to make the amended resolution read as follows:

"'To lay a permanent asphalt pavement on Dumont Avenue, from a point 125 feet east of Hopkinson Avenue to Howard Avenue'";

—and thereupon, on the 30th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn 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 Brooklyn 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 Brooklyn, 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 $15,100; 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 $212,950 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Sewers in 11th Avenue, from 70th Street to 72d Street; and in 70th Street, from 10th Avenue to 11th Avenue, Brooklyn.

Vesting Title to 70th Street from 10th Avenue to 11th Avenue, Brooklyn (Cal. No. 50).

The following was offered:

Whereas, The Board of Estimate and Apportionment on the 8th day of May, 1908, adopted a resolution requesting the Corporation Counsel to institute proceedings to acquire title, in fee wherever the same has not heretofore been acquired, for the use of the public, to the lands, tenements and hereditaments that shall or may be required for the purpose of opening and extending 71st Street from 8th Avenue to 13th Avenue; Ovington Avenue from Stewart Avenue to 7th Avenue; and 70th Street from 7th Avenue to 11th Avenue, in the Borough of Brooklyn, City of New York, and

Whereas, Commissioners of Estimate and Assessment have been appointed by the Supreme Court, in proceedings to acquire title to said streets, and the oaths of said Commissioners of Estimate and Assessment were duly filed as required by law on the 12th day of April, 1912;

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 990 of the Greater New York Charter, as amended, directs that upon the 4th day of November, 1914, the title in fee to each and every piece or parcel of land lying within the lines of said Seventieth Street from 10th Avenue to 11th Avenue, in the Borough of Brooklyn, City of New York, so required, shall be vested in The City of New York.

Which was adopted by the following vote:

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

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The following was offered:

A copy of a resolution of the Local Board of the Bay Ridge District, duly adopted by said Board on the 12th day of July, 1911, and approved by the President of the Borough of Brooklyn on the 8th day of April, 1913, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Bay Ridge District hereby initiates proceedings to construct sewers in 11th Avenue, from 70th Street to 72nd Street, and in 70th Street, from 11th Avenue to 10th Avenue";

—and thereupon, on the 10th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn 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 Brooklyn 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 Brooklyn, 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 $4,700; 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 $116,660 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Sewer in East 7th Street, from Avenue K to Avenue L, Brooklyn. Vesting Title to East 7th Street, from Avenue K to Avenue L, Brooklyn (Cal. No. 51).

The following was offered:

Whereas, The Board of Estimate and Apportionment, on the 11th day of January, 1912, adopted a resolution requesting the Corporation Counsel to institute proceedings to acquire title, in fee wherever the same has not heretofore been acquired, for the use of the public, to the lands, tenements and hereditaments that shall or may be required for the purpose of opening and extending East 7th Street, from Foster Avenue to Canal Avenue North, excluding the right of way of the Manhattan Beach Division of the Long Island Railroad; and also excluding a triangular area on the northerly side of the right of way of the railroad with a frontage of 10 feet on the easterly side of East 7th Street, extending from the easterly line of East 7th Street along the railroad right of way for a distance of 50 feet, in the Borough of Brooklyn, City of New York, and

Whereas, Commissioners of Estimate and Assessment have been appointed by the Supreme Court in proceedings to acquire title to said street, and the oaths of said Commissioners of Estimate and Assessment were duly filed as required by law on the 23rd day of December, 1913;

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 990 of the Greater New York Charter, as amended, directs that upon the 4th day of November, 1914, the title in fee to each and every piece or parcel of land lying within the lines of said East 7th Street, from Avenue K to Avenue L, in the Borough of Brooklyn, City of New York, so required, shall be vested in The City of New York.

Which was adopted by the following vote:

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

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The following was offered:

A copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 18th day of February, 1914, and approved by the President of the Borough of Brooklyn on the 9th day of May, 1914, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to construct a sewer in East 7th Street, from Avenue K to Avenue L."

—and thereupon, on the 10th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn 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 Brooklyn had submitted certain statements as provided in the said resolution, and said resolution having been duly complied with by the President of the Borough of Brooklyn, 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 $5,500; 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 $113,450, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Paving East 15th Street, from Avenue O to Kings Highway, Brooklyn (Cal. No. 52).

The following was offered:

A copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 18th day of March, 1914, and approved by the President of the Borough of Brooklyn on the 9th day of May, 1914, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to lay a preliminary asphalt pavement on a 5-inch concrete foundation on East 15th Street, from Avenue O to Kings Highway."

—and thereupon, on the 30th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn 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 Brooklyn had submitted certain statements as provided in the said resolution, and said resolution having been duly complied with by the President of the Borough of Brooklyn, 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 $9,400; 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 $188,900, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Sewer in 15th Avenue, from Bath Avenue to Benson Avenue, Brooklyn (Cal. No. 53).

The Secretary presented a report of the Chief Engineer of the Board, dated October 1, 1914, recommending the authorization of the proposed improvement; together with a petition from William A. Gardner and others, objecting to the proposed improvement.

After hearing Messrs. W. A. Gardner and John Israil in opposition to the proposed improvement, on motion, the matter was laid over until October 30, 1914, to give the property owners an opportunity to sign and present waivers of claims for possible damages.

Borough of The Bronx.

The Secretary presented the following report of the Chief Engineer of the Board relating to Cal. Nos. 54 to 59, inclusive:

Report No. 14044. October 5, 1914.

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

Sir—Herewith are transmitted six communications from the President of the Borough of The Bronx, advising that the following local improvements have been given preliminary authorization and that all of the conditions imposed by the Board have been complied with.

1. Paving with bituminous concrete (preliminary pavement) Seabury Place, from Charlotte Street to Boston Road, and adjusting curbing where necessary.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $5,700. The Borough President states that the time to be allowed for the completion of the improvement is 30 days, and that the expense incurred for the preliminary work amounts to $24.13.

The work to be done comprises the following: 2,680 square yards bituminous concrete pavement, 1,500 lineal feet curbing adjusted. The cost of the improvement is now estimated to be $5,700.

2. Paving with granite block (preliminary pavement) Park Avenue, from East 144th Street to Morris Avenue, near East 155 Street.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $22,500. The Borough President states that the time to be allowed for the completion of the improvement is 60 days, and that the expense incurred for the preliminary work amounts to $38.04.

The work to be done comprises the following: 6,680 square yards granite block pavement, 4,850 lineal feet new and old curbing. The cost of the improvement is now estimated to be $23,000.

3. Paving with bituminous concrete (preliminary pavement) and curbing where necessary East 178th Street, from Park Avenue to 3rd Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $5,300. The Borough President states that the time to be allowed for the completion of the improvement is 30 days, and that the expense incurred for the preliminary work amounts to $28.97.

The work to be done comprises the following: 1,880 square yards bituminous concrete pavement, 1,440 lineal feet new and old curbing. The cost of the improvement is now estimated to be $5,300.

4. Grading, curbing and flagging Melville Street, from West Farms Road to Morris Park Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $11,400. The Borough President states that the time to be allowed for the completion of the improvement is 75 days, and that the expense incurred for the preliminary work amounts to $76.61.

The work to be done comprises the following: 1,300 cubic yards earth and rock excavation, 5,700 cubic yards filling, 2,200 lineal feet curbing, 9,150 square feet cement sidewalk. The cost of the improvement is now estimated to be $10,400.

5. Grading, curbing and flagging Fillmore Street, from Morris Park Avenue to Van Nest Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $8,700. 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 $79.59.

The work to be done comprises the following: 7,100 cubic yards filling, 1,250 lineal feet curbing, 6,380 square feet cement sidewalk. The cost of the improvement is now estimated to be $8,800.

6. Grading, curbing and flagging Overing Street, from Westchester Avenue to Walker Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $7,500. The Borough president states that the time to be allowed for the completion of the improvement is 50 days, and that the expense incurred for the preliminary work amounts to $42.49.

The work to be done comprises the following: 745 cubic yards excavation, 1,070 cubic yards filling, 3,260 lineal feet curbing, 16,105 square feet cement sidewalk. The cost of the improvement is now estimated to be $7,500.

The urgency for these improvements was fully established at the time when the preliminary authorization was given and favorable action is recommended.

It is also recommended that title be vested in the City on November 2, 1914, to Melville Street, from Morris Park Avenue to the New York, New Haven and Hartford Railroad. Respectfully, NELSON P. LEWIS, Chief Engineer.

Paving and Adjusting the Curbing on Seabury Place, from Charlotte Street to Boston Road, The Bronx (Cal. No. 54).

The following was offered:

A copy of a resolution of the Local Board of the Crotona District, duly adopted by said Board on the 12th day of May, 1914, and approved by the President of the Borough of The Bronx on the 25th day of May, 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 paving with bituminous concrete on a cement concrete foundation (preliminary pavement), the roadway of Seabury Place, from Charlotte Street to Boston Road, adjusting curb where necessary, together with all work incidental thereto, in the Borough of The Bronx, City of New York."

—and thereupon, on the 30th day of July, 1914, 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 $5,700; 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 $662,274, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Paving Park Avenue, from East 144th Street to Morris Avenue, Near East 155th Street, The Bronx (Cal. No. 55).

The following was offered:

A copy of a resolution of the Local Boards of the Morrisania and Crotona Districts, duly adopted by said Boards on the 20th day of October, 1913, and approved by the President of the Borough of The Bronx on the 22nd day of October, 1913, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That these Boards do hereby initiate proceedings for the said local improvement, to wit:

"For paving with granite blocks on a sand foundation (preliminary pavement) the roadway of Park Avenue, from East 144th Street to Morris Avenue near East 155th Street, together with all work incidental thereto, in the Borough of The Bronx, City of New York."

—and thereupon, on the 30th day of July, 1914, 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 $23,000 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 $1,799,932, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Paving and Curbing East 178th Street from Park Avenue to 3d Avenue, The Bronx (Cal. No. 56).

The following was offered:

A copy of a resolution of the Local Board of the Crotona District, duly adopted by said Board on the 10th day of November, 1913, and approved by the President of the Borough of The Bronx on the 11th day of November, 1913, 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 East 178th Street, from Park Avenue to Third Avenue, setting curb where necessary, together with all work incidental thereto."

—and thereupon, on the 30th day of July, 1914, 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 $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 $1,564,120, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Regulating and Grading Melville Street, from West Farms Road to Morris Park Avenue, The Bronx.

Vesting Title to Melville Street, from Morris Park Avenue to the New York, New Haven and Hartford Railroad, The Bronx (Cal. No. 57).

The following was offered:

Whereas, the Board of Estimate and Apportionment, under resolutions adopted on May 21, 1909, June 13, 1912, October 17, 1912, and January 30, 1914, authorized the acquisition of title to Adams Street, Melville Street and Van Buren Street, from Morris Park Avenue to the northerly line of the right of way of the New York, New Haven and Hartford Railroad, in the Borough of The Bronx, City of New York; and

Whereas, Commissioners of Estimate and Assessment have been appointed by the Supreme Court, in proceedings to acquire title to said streets, and the oaths of said Commissioners of Estimate and Assessment were duly filed as required by law on the 11th day of December, 1913;

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 990 of the Greater New York Charter, as amended, directs that upon the 4th day of November, 1914, the title in fee to each and every piece or parcel of land lying within the lines of said Melville Street, from Morris Park Avenue to the New York, New Haven and Hartford Railroad, in the Borough of The Bronx, City of New York, so required, shall be vested in The City of New York.

Which was adopted by the following vote:

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

The following was offered:

A copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 7th day of September, 1910, and approved by the President of the Borough of The Bronx on the 14th day of September, 1910, 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 regulating and grading, setting curbstones, flagging sidewalks a space four feet wide, laying crosswalks, building approaches, erecting fences where necessary, constructing basins in Melville Street (Hancock Street), from West Farms Road to Morris Park Avenue, and all work incidental thereto, in the Borough of The Bronx, City of New York,"

—and thereupon, on the 30th day of July, 1914, 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 $10,400; 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 $300,800, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Regulating and Grading Fillmore Street, from Morris Park Avenue to Van Nest Avenue, The Bronx (Cal. No. 58).

The following was offered:

A copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 19th day of May, 1914, and approved by the President of the Borough of The Bronx on the 25th day of May, 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 regulating, grading, setting curbstones, flagging the sidewalks, laying crosswalks, building approaches and erecting fences where necessary in Fillmore street, between Morris Park Avenue and Van Nest Avenue, together with all work incidental thereto, in the Borough of The Bronx, City of New York,"

—and thereupon, on the 30th day of July, 1914, 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 $8,800; 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 $238,920, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Regulating and Grading Overing Street, from Westchester Avenue to Walker Avenue, The Bronx (Cal. No. 59).

The following was offered:

A copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 2nd day of June, 1914, and approved by the President of the Borough of The Bronx on the 6th day of June, 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 regulating, grading, setting curbstones, flagging the sidewalks, laying crosswalks, building approaches and erecting fences where necessary in Overing Street, between Westchester Avenue and Walker Avenue, together with all work incidental thereto, in the Borough of The Bronx, City of New York,"

—and thereupon, on the 30th day of July, 1914, 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 $7,500; 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 $448,500, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Borough of Queens.

Grading Manly Street from Hunterspoint Avenue to Thomson Avenue, Queens (Cal. No. 60).

The Secretary presented the following report of the Chief Engineer of the Board:

Report No. 14048. October 5, 1914.

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 Queens advising that the conditions imposed by the Board in granting preliminary authorization for grading Manly Street, from Hunterspoint Avenue to Thomson Avenue, have been complied with.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 10, 1914, at which time information was presented to show that its probable cost would be about $7,400. The Borough President states that

the time to be allowed for the completion of the improvement is 70 days and that no charges have been made against the Street Improvement Fund for the preliminary work.

The work to be done comprises the following: 50 cubic yards excavation, 10,209 cubic yards filling (excess). The cost of the improvement is now estimated to be $5,400.

The urgency for this improvement was fully established at the time when the preliminary authorization was given and favorable action is recommended. Respectfully,

NELSON P. LEWIS, Chief Engineer.

The following was offered:

A copy of a resolution of the Local Board of the Newtown District, duly adopted by said Board on the 29th day of September, 1913, and approved by the President of the Borough of Queens on the 8th day of October, 1913, 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 regulating and grading, and all work incidental thereto, in Manly Street, from Hunterspoint Avenue to Thomson Avenue, First Ward, of the Borough of Queens,"

—and thereupon, on the 10th day of July, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Queens 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 Queens 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 Queens, 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 $5,400 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 $120,000, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Borough of Richmond.

The Secretary presented the following report of the Chief Engineer of the Board relating to Cal. Nos. 61 and 62:

Report No. 14043. October 5, 1914.

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

Sir—Herewith are transmitted two communications from the President of the Borough of Richmond, advising that the conditions imposed by the Board prior to the authorization of the following local improvement have been complied with:

1. Temporary combined sewer in Maryland Avenue from Tompkins Avenue to Foxhill Terrace, together with a temporary sanitary sewer in this street from Tompkins Avenue to the existing sewer about 60 feet easterly therefrom.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 30, 1914, at which time information was presented to show that its probable cost would be about $1,300. The Borough President states that the time to be allowed for the completion of the improvement is 18 days, and that the expense incurred for the preliminary work amounts to $7.26.

The work to be done comprises the following: 470 linear feet 10-inch pipe sewer, 3 manholes. The cost of the improvement is now estimated to be $1,300.

2. Grading the sidewalk spaces and flagging and reflagging Charles Avenue from Lafayette Avenue to Nicholas Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on May 15, 1914, at which time information was presented to show that its probable cost would be about $1,100. The Borough President states that the time to be allowed for the completion of the improvement is 10 days, and that no expense has been charged against the Street Improvement Fund for the preliminary work.

The work to be done comprises the following: 150 cubic yards excavation, 596 square feet cement sidewalk. The cost of the improvement is now estimated to be $200.

The urgency of the former of these improvements has been fully established while the cost of the latter is so small as to warrant authorization at this time. It is therefore recommended that in each case the construction work be authorized.

Respectfully, NELSON P. LEWIS, Chief Engineer.

Temporary Combined Sewer in Maryland Avenue, from Tompkins Avenue to Foxhill Terrace, Together with a Temporary Sanitary Sewer in This Street from Tompkins Avenue to the Existing Sewer About 60 Feet Easterly Therefrom, Richmond (Cal. No. 61).

The following was offered:

A copy of a resolution of the Local Board of the Staten Island District, duly adopted by said Board on the 20th day of May, 1913, and approved by the President of the Borough of Richmond on the 23d day of May, 1913, 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:

"To construct a temporary combined sewer, with the necessary appurtenances, in Maryland Avenue, from Tompkins Avenue to Foxhill Terrace, and a temporary sanitary sewer connection from Tompkins Avenue to the upper end of the sewer in Maryland Avenue, about 60 feet east of Tompkins Avenue, in the Fourth Ward, Borough of Richmond."

—and thereupon, on the 30th day of July, 1914, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Richmond 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 Richmond has 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 Richmond, 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 $1,300; 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 $10,000 having also been presented, and,

Whereas, It has become necessary to construct the above-mentioned temporary sewers for the purpose of preventing damage to property, or to abate a nuisance, and it is impracticable to proceed immediately to the construction of the same in accordance with any plan already adopted, 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Grading the Sidewalk Spaces and Flagging and Reflagging Charles Avenue, from Lafayette Avenue to Nicholas Avenue, Richmond (Cal. No. 62).

The following was offered:

A copy of a resolution of the Local Board of the Staten Island District, duly adopted by said Board on the 10th day of March, 1914, and approved by the President of the Borough of Richmond on the 14th day of March, 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:

"To regulate and grade the sidewalk space and to pave or repair sidewalks with concrete wherever the same are not now paved or are out of repair, on Charles Avenue, between Lafayette Avenue and Nicholas Avenue, in the Third Ward of the Borough of Richmond, together with all work incidental thereto,"

—and thereupon, on the 15th day of May, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Richmond 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 Richmond 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 Richmond, 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 $200; 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 $34,450 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

COMMUNICATIONS, PETITIONS, ETC.

From Citizens and Public Bodies.

President of the Borough of Manhattan—Establishment of Open Markets (Cal. No. 63).

The Secretary presented a communication, dated October 2, 1914, from Lindon Bates, Jr., submitting a plan for a Foodstuff Terminal to be established on the West Side immediately below the New York Central Terminal along the North River, also submitting petition of 87 residents of the West Side endorsing the plan and urging the Board to take favorable action thereon.

Which was referred to the Committee on Port and Terminal Facilities and to the Committee on Markets.

Acquiring Land for Park Purposes on Eastern Parkway, as an Enlargement of Lincoln Terrace Park (Cal. No. 64).

The Secretary presented a communication, dated October 5, 1914, from Hon. Edward M. Bassett, enclosing communication from the Brooklyn Committee on City Plan, dated October 1, 1914, relative to the acquisition by the City for park purposes of the land on Eastern Parkway now laid out on the City Map as an enlargement of Lincoln Terrace Park, Brooklyn.

Which was referred to the Committee on Transit.

Department of Correction—Compensation of Bakery Workers (Cal. No. 65).

The Secretary presented a communication, dated October 3, 1914, from the Central Federated Union of Greater New York and vicinity, requesting to be heard with regard to the fixing of the compensation of the Bakery Workers employed in the bake-shop on Blackwells Island at the prevailing rate for such class of employment.

Which was referred to the Committee on Salaries and Grades.

Acquiring Title to the Property Required for the Widening of Jamaica Avenue from Myrtle Avenue to Metropolitan Avenue, Borough of Queens (Cal. No. 66).

The Secretary presented the following communication from the Secretary of the Public Service Commission for the First District:

Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, October 6, 1914.

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

Gentlemen—On March 19, 1913, the City acting by this Commission with the approval of your Honorable Board, entered into a contract with the New York Municipal Railway Corporation, known as Contract No. 4, for the construction and operation of various rapid transit lines. The construction by that company of an elevated line on Jamaica Avenue from Crescent Street, in the Borough of Brooklyn, to Cliffside Avenue, in the Borough of Queens, was included in that contract. Plans for this line have been submitted to this Commission for approval in accordance with the terms of that contract.

A map furnished by the Consulting Engineer of the Borough of Queens shows that Jamaica Avenue is to be widened to 100 feet from Myrtle Avenue east by additions on the north or south side or both. The present width of this street varies from 66 feet to 100 feet. It is not feasible to properly locate the columns so as to fit in with the present and also the proposed width on account of the present location of the trolley tracks and the irregularity of the proposed widening. This makes it impossible to approve these or any plans submitted by the New York Municipal Railway Corporation for the construction of this line as required under the terms of Contract No. 4 until the street widening, if any, is completed.

To enable the City to meet the contract requirements, it is respectfully recommended that the proceedings for this street widening be pressed or other action taken at once to retain the present street widths. Very truly yours,

TRAVIS H. WHITNEY, Secretary.

On motion, the matter was referred to the President of the Borough of Queens and to the Chief Engineer of the Board.

Fifth Avenue Coach Company (Cal. No. 67).

A communication was received from Mrs. Helen Hersey urging the granting of a franchise to the Fifth Avenue Coach Company for an extension of its route in the Borough of Manhattan.

Which was referred to the Bureau of Franchises.

Board of Water Supply—Increasing Water Supply (Cal. No. 68).

The Secretary presented a communication, dated October 5, 1914, from the West End Citizens' League of Queens Borough suggesting that the Board investigate the possibilities offered on Long Island for increasing the water supply before any extensions in other parts of the State are considered.

Which was referred to the Board of Water Supply for report.

From City, Borough and County Officials.

Tentative Layout for the Riverside Drive Extension from 155th Street to the Harlem River Ship Canal, Borough of Manhattan (Cal. No. 69).

(On July 10, 1913 (Cal. No. 171), a report was presented from Messrs. Brunner and Olmstead and referred to a committee consisting of the President of the Borough of Manhattan, the Comptroller, the President of the Borough of The Bronx and the Chief Engineer of the Board.)

(On January 30, 1914 (Cal. No. 85), under a reassignment of matters to committees of the Board, this matter was referred to the Committee on City Plan.)

The Secretary presented the following communication from the Secretary to the President of the Borough of Manhattan:

City of New York, President of the Borough of Manhattan, Municipal Building, September 26, 1914.

Mr. JOSEPH HAAG, *Secretary, Board of Estimate and Apportionment,* Municipal Building, New York City:

Dear Sir—We send herewith prints of the tentative layout for the Riverside Drive Extension from West 155th Street to the Harlem River Ship Canal. The drawings show the plan as outlined in the report of Messrs. Brunner and Olmstead in their report submitted to the President of the Borough of Manhattan June, 1913; and as altered and modified at the suggestion of this department and in co-operation with Messrs. Brunner and Olmstead.

These drawings are ready for the action of the Board of Estimate and Apportionment for adoption as a tentative change in the street system of the City.

Respectfully yours, JAS. W. ADAMS, Secretary to the President.

On motion, the matter was referred to the Committee on the City Plan.

Department of Correction—Issues of Corporate Stock (Cal. No. 70).

The Secretary presented a communication, dated October 2, 1914, from the Clerk of the Court of General Sessions, enclosing certified copy of presentment by the additional Grand Jury of the County of New York, September Term, submitting findings relative to the conditions existing in the penal institutions on Blackwell's Island, etc., and making certain recommendations (1) with regard to the improvements required to be made in these institutions; (2) the purchase of a site by the City for the establishment of a farm colony for female prisoners; (3) the removal of the penal institutions from Blackwell's Island to Riker's Island; and (4) that the Board immediately appropriate, for the use of the Department of Correction, the sum of $110,000 in order to carry out these recommendations.

It is also recommended that the Board convert the twelve-story building on the southeast corner of Leonard and Lafayette streets (acquired by the City under court house condemnation proceedings) into an annex for the Tombs Prison, to be connected therewith by bridge or tunnel, and authorize an issue of $25,000 corporate stock for this purpose.

Which was referred to the Committee on Corporate Stock Budget.

Fire Department—Increasing Salary of Pilots (Cal. No. 71).

The Secretary presented a communication, dated September 30, 1914, from the Fire Commissioner, transmitting letter received by him from William Guerin, dated September 28, 1914, Counsel for the Pilots in the Fire Department, requesting that the salary of said position be increased from $1,500 to $2,250 per annum.

Which was referred to the Committee on Tax Budget.

Department of Public Charities; President, Borough of Richmond—Transfer of Jurisdiction and Maintenance of Sewer for Sea View Hospital (Cal. No. 72).

The Secretary presented a communication, dated October 1, 1914, from the Commissioner of Public Charities, requesting that jurisdiction over, and the maintenance of the sanitary sewer for Sea View Hospital and the New York Farm Colony, on Manor road, Borough of Richmond, be transferred from the Department of Public Charities to the President of the Borough.

(The authorization of corporate stock for the construction of this sewer was placed under the jurisdiction of the Borough President.)

Which was referred to the Committee on Tax Budget.

Board of Estimate and Apportionment—Establishing Position of Draftsman (Cal. No. 73).

The Secretary presented a communication dated October 6, 1914, from the Committee on City Plan requesting the establishment of the grade of position of Draftsman, at $1.350 per annum, to be substituted for the grade at $1,500 per annum heretofore established.

Which was referred to the Committee on Salaries and Grades.

Department of Education—Establishing Position of Batteryman; Fixing Compensation of Janitors of Various Public Schools (Cal. No. 74).

The Secretary presented a communication dated October 1, 1914, from the Secretary of the Board of Education transmitting certified copies of resolutions adopted by said Board on September 30, 1914, as follows:

1. Requesting the establishment of the position of Batteryman in the Department of Education at $4.80 per day for two incumbents, to take effect as of April 1, 1914.
2. Requesting the fixing of the compensation of William H. Nedderman and six others, Janitors assigned to the temporary care of Public School Buildings.
3. Requesting the fixing of the compensation of the Janitor of Public School No. 176 (new), Brooklyn, at the rate of $3,732 per annum, to take effect as of September 17, 1914.
4. Requesting that the compensation of the Janitor of Public School No. 15, Queens, be increased from January 1, 1914, from $120 to $300 per annum for the care of two portable school buildings.
5. Requesting the fixing of the compensation of Janitors of three playgrounds at the rate of $4 per session for 58 days.
6. Requesting that the Janitor of Public School No. 14, Richmond, be compensated at the rate of $0.75 per evening during the sessions of the evening school in order to provide for the services of an additional Cleaner.

Which were referred to the Committee on Salaries and Grades.

Mayor's Commission on Pensions—Claim of Miss Mae F. Seguine (Cal. No. 75).

The Secretary presented a communication dated October 2, 1914, from Robert von Reutlinger, Technical Assistant in the Commission on Pensions, transmitting claim of Miss Mae F. Seguine for services to the Commission, as Tabulating Machine Operator, from August 24th to September 5, 1914, inclusive, at the rate of $600 per annum.

Which was referred to the Comptroller.

Department of Education—Transfer of Appropriation from Sale of Products of Manhattan Trade School for Girls (Cal. No. 76).

The Secretary presented a communication, dated October 1, 1914, from the Secretary of the Board of Education, transmitting certified copy of resolution adopted by said Board on September 30, 1914, requesting that the sum of $1,057.23, representing the proceeds realized from the sale of products of the Manhattan Trade School for Girls, be appropriated to the Special Trade School Fund.

Which was referred to the Comptroller.

FIXING DATES FOR FUTURE HEARINGS.

On Changes in the City Map.

Borough of The Bronx.

Changing the Lines of Munn Avenue, Between Westchester Avenue and Parker Street, Borough of The Bronx (Cal. No. 77).

The Secretary presented a communication dated July 17, 1914, from the Commissioner of Public Works, Borough of The Bronx, transmitting a map showing the proposed change; and the following report of the Chief Engineer of the Board:

Report No. 14033. October 1, 1914.

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

Sir—Herewith is transmitted a communication from the Commissioner of Public Works, Borough of The Bronx, bearing date of July 17, 1914, requesting the approval of a map showing a proposed change in the lines of Munn Avenue between Westchester Avenue and Parker Street.

As heretofore laid out, Munn Avenue was planned to meet Westchester Avenue at an acute angle, and the plan would indicate that partly for the purpose of avoiding a sharp angle at this intersection and at the same time of securing a convenient connection with Glover Street, a large triangular area had been here included within the street system. Under the change now proposed an angle is to be inserted in the lines of Munn Avenue before it meets Westchester Avenue in such a way as to secure a right angle connection with the latter street, at the same time holding the alignment of Glover Street as laid out on the opposite side of Westchester Avenue. This change will conserve for private development the Westchester Avenue frontage in what would appear to be a commendable manner and at the same time avoid damage to one building which fell within the lines of the street as heretofore laid out.

I see no reason why the map should not be approved, and would recommend such action after a public hearing. 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 changing the lines and grades of Munn Avenue from Westchester Avenue to Parker Street 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 13, 1914.

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 6th day of November, 1914, at 10.30 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

Changing the Grade of West Farms Road at Its Intersection with Hoe Avenue, Borough of The Bronx (Cal. No. 78).

The Secretary presented a communication dated January 9, 1914, from the Commissioner of Public Works, Borough of The Bronx, transmitting a map showing the proposed change; and the following report of the Chief Engineer of the Board:

Report No. 14034. October 1, 1914.

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

Sir—Herewith is transmitted a communication from the Commissioner of Public Works, Borough of The Bronx, bearing date of January 9, 1914, requesting the approval of a map showing a change proposed in the grade of Hoe Avenue at its intersection with West Farms Road.

This change is apparently in the nature of an adjustment of the platform elevation and is designed to legalize the elevation to which the pavement has been laid at this point.

I see no reason why the plan should not be approved, and would recommend such action after a public hearing.

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 changing the grade at the intersection of Hoe Avenue with West Farms Road, 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 January 7, 1914.

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 6th day of November, 1914, at 10.30 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

Borough of Queens.

Changing the Street Plan for the Territory Bounded by Hampton Street, South Railroad Avenue, Junction Avenue and Corona Avenue, Borough of Queens (Cal. No. 79).

The Secretary presented a communication dated July 29, 1914, from the Secretary to the President of the Borough of Queens, transmitting a map showing the proposed change; and the following report of the Chief Engineer of the Board:

Report No. 14031. October 5th, 1914.

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 17th, 1914, a report was presented by your Engineer relative to the application of the Cord Meyer Company for the amendment of the proceeding now in progress for acquiring title to Toledo Avenue between South Railroad Avenue and Queens Boulevard, Borough of Queens, by the exclusion of the section between South Railroad Avenue and Corona Avenue, in order to permit of the utilization of this property as a part of a freight yard. In this report it was pointed out that the area bounded by the North Side Division of the Long Island Railroad, Gay Street, Corona Avenue and Hampton Street possessed natural advantages for freight yard use; that it, together with a large adjoining area, was wholly owned by the Cord Meyer Company; and that the owners were prepared to pay to the City their proportionate share of the expense already incurred by reason of the opening proceeding in so far as it related to the section to be discontinued, to waive all claim for disbursements which might otherwise be presented under Section 1000 of the Charter in case the proceeding were discontinued, and to restrict the property in such a way as to insure that the railroad yard would be effectually screened off from the adjoining streets.

There was also presented a plan prepared by the Cord Meyer Company showing what was believed by them to be a reasonable readjustment of the street plan of the locality in order to more closely conform with the lines along which development might reasonably take place. The matter was thereupon referred to the Borough President with the request that he prepare a suitable plan showing the desired changes in order that they might be made the subject of a public hearing.

With the accompanying communication from the Secretary to the President, bearing date of July 29th, 1914, there is submitted a map showing the changes proposed in the lines and grades of the street system within the territory bounded by Corona Avenue, Hampton Street, South Railroad Avenue and Card Place, these making provision for closing and discontinuing Toledo Avenue between Corona Avenue and South Railroad Avenue, Gay Street between Corona Avenue and South Railroad Avenue, and Lurting Street between Corona Avenue and Card Place. These changes are less comprehensive than those indicated upon the plan presented by the Cord Meyer Company, but they apparently clear the way for the creation of the desired freight yard, excepting through the retention of South Railroad Avenue, the acquisition of which for highway purposes would deprive the yard from any connection with the railroad. Inasmuch, however, as no proceedings have as yet been instituted for the acquisition of the street, and practically all of the frontage subject to assessment is owned by the Company, it would appear questionable whether an opening proceeding could be carried out without the consent of the Cord Meyer Company. The discontinuance of South Railroad Avenue in the section west of Card Place would appear to be reasonable inasmuch as its continuity would be broken in the section adjoining Broadway on the east unless the property owners are here prepared to meet the substantial expense which would be due to the acquisition of the street by reason of building and consequential damage.

I am advised by the Assistant Corporation Counsel in charge of the Bureau of Street Openings that all of the property within the lines of that portion of Toledo Avenue to be closed is owned by the Cord Meyer Company and that the proportionate share of the expense of the opening proceeding chargeable to this section amounts to $313.66.

I would recommend that the plan be adopted after a public hearing, provided that before such adoption payment is made by the Cord Meyer Company to the City of the sum of $313.66, and that the Company present to the City a release of all claims for disbursements under the provisions of Section 1000 of the Charter, and an instrument drawn in a form approved by the Corporation Counsel and

suitable for filing, which will provide for the restriction of the property abutting on Corona Avenue on its northerly side to a depth of 100 feet, and on the westerly side of Card Place to a depth of 200 feet against use for railroad or freight yard purposes. As soon as the map has been adopted a report will be presented to the Board recommending a corresponding amendment of the Toledo Avenue opening proceeding.

I would also recommend that the attention of the Borough President be drawn to the desirability of submitting another plan which would make provision for discontinuing South Railroad Avenue between Card Place and Broadway, and for as many of the remaining changes proposed by the Cord Meyer Company in the area adjoining that covered by the plan now presented as may seem to him to be reasonable.

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 changing the lines and grades of the street system within the territory bounded by Hampton Street, South Railroad Avenue, Junction Avenue and Corona Avenue in the Borough of Queens, 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 1, 1914.

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 6th day of November, 1914, at 10:30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

The Secretary was directed to notify the Cord Meyer Company of the conditions suggested by the Chief Engineer of the Board.

Modifying the Plan for the Street System Within the Territory Bounded by Dongan Street, Broadway, Maurice Avenue and Poyer Street, Borough of Queens (Cal. No. 80).

The Secretary presented a communication dated July 1, 1914, from the Secretary to the President of the Borough of Queens, transmitting a map showing the proposed change; and the following report of the Chief Engineer of the Board:

Report No. 14029. September 30, 1914.

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

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of July 1, 1914, requesting the approval of a map showing a modification in the street plan for the territory bounded by Dongan Street, Broadway, Maurice Avenue and Poyer Street.

At the meeting of the Board held on May 15, 1914, the rule and damage maps which had been prepared in the matter of a proceeding for acquiring title to St. James Street and Corona Avenue, were referred back to the Borough President with the suggestion that steps should be taken to change the lines of St. James Street and of Corona Avenue where they adjoin Broadway, in such a way as to decrease building as well as consequential damage which would otherwise result, and at the same time with the suggestion that a further modification in the line of Corona Avenue in the section adjoining Maurice Avenue might possibly be made with advantage, of such a character that the street lines might here harmonize more closely with the lines marking property subdivisions. It was also pointed out that the width of 80 feet then fixed for Corona Avenue was unnecessarily liberal, inasmuch as it outletted into a street only 70 feet wide.

The plan now submitted includes all of the modifications suggested excepting those relating to the alignment of Corona Avenue north of Maurice Avenue, which latter suggested modification I am informally advised is deemed impracticable, inasmuch as the property owners have here already recognized the position originally planned for the street.

The carrying out of the changes shown on the plan will have the effect of avoiding three buildings which would otherwise have been subjected to serious damage.

The change, in my judgment, is a proper one, and its approval is recommended after a public hearing.

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 changing the lines of the street system bounded by Dongan Street, Broadway, Maurice Avenue and Poyer Street in the Borough of Queens, 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 13, 1914.

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 6th day of November, 1914, at 10:30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

Laying Out a Street System and Establishing Grades for the Territory Bounded by Stiles Place, Station Road, Utopia Parkway, Crocheron Avenue, Beechhurst Avenue and Jackson Avenue, Borough of Queens (Cal. No. 81).

The Secretary presented a communication dated June 22, 1914, from the Secretary to the President of the Borough of Queens, transmitting a map showing the proposed change; and the following report of the Chief Engineer of the Board:

Report No. 14030. September 30, 1914.

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

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of June 22, 1914, requesting the approval of a map showing a change proposed in the street system within the territory bounded by Stiles Place, Station Road, Utopia Parkway, Crocheron Avenue, Beechhurst Avenue and Jackson Avenue.

This plan relates to an area of about 134 acres, all of which was included within the limits of the tentative map for the Flushing section of the Borough, adopted by the Board at the meeting of July 11, 1912. At the time of the adoption of the tentative plan the attention of the Borough President was invited to the desirability of making provision, among other things, for increasing the widths of the most important streets in the Auburndale section from 50 feet, as then planned, to a minimum of 60 feet. The plan now submitted assigns to all but two short streets a minimum width of 60 feet and ratifies the treatment shown upon the tentative plan for Utopia Parkway and Jackson Avenue, each 100 feet wide, and Beechhurst Avenue, 80 feet wide.

At the meeting of the Board held on April 18, 1912, the matter of laying out Jackson Avenue, from Cemetery Lane to the City Line, was referred to a committee consisting of the Presidents of the Boroughs of Queens and Brooklyn and the President of the Board of Aldermen. Opposition to the plan developed at the time hearings on the map were given, and the matter was reassigned during the current year to the Committee on the City Plan. The general layout and grades proposed upon the plan referred to are now retained excepting only in the easterly block, where the widening is planned to include a narrow strip on the northerly side.

The Flushing and North Side Division of the Long Island Railroad traverses the area affected by the plan, and the ultimate treatment provides for three crossings, these being located at Utopia Parkway, Lancaster Avenue and Beechhurst Avenue. In each instance the separation of grades is to be achieved by elevating the railroad and carrying the streets beneath the same, but in order to avoid the necessity of applying to the Public Service Commission for the ratification of the plan and the immediate construction of the proposed railroad bridges, which construction is deemed premature at this time, the map has been so prepared that it excludes the area within the railroad right-of-way.

Aside from the widening of narrow streets, the plan affords general recognition to the development as planned by the property owners, and in view of the fact that no extensive building operations have been carried on, it is believed that the assignment to the streets of the widths now proposed will result in no damage to existing improvements. A few modifications are planned in the grades shown upon the tentative maps heretofore adopted. The street elevations now indicated will have the effect of establishing drainage pockets, the removal of which does not appear to be practicable except through the construction of sewers as shown upon the drainage plan which has already been adopted.

The proposed route of the Flushing-Bayside extension of the Corona rapid transit branch follows the line of Station Road, which, in the section west of Stiles Place, has been mapped to have a width of 45 feet, and which is shown upon the plan now presented as intended to have a width of 60 feet between Stiles Place and Beechhurst Avenue.

In my judgment this width is inadequate to permit of a proper development of the abutting property in case the elevated railroad is built, and I would recommend that the attention of the Borough President be called to the desirability of at once taking steps to remedy this condition.

With the understanding that this feature of the plan will be given further consideration, I would recommend that the map be adopted after a public hearing.

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 laying out a street system and establishing grades for the territory bounded by Stiles Place, Station Road, Utopia Parkway, Crocheron Avenue, Beechhurst Avenue and Jackson Avenue in the Borough of Queens, 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 17, 1914.

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 6th day of November, 1914, at 10:30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

Changing the Grade of Decatur Street, Between Wyckoff Avenue and Irving Avenue, Borough of Queens (Cal. No. 82).

The Secretary presented a communication dated August 11, 1914, from the Secretary of the Borough of Queens, transmitting a map showing the proposed change; and the following report of the Chief Engineer of the Board:

Report No. 14045. October 3, 1914.

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

Sir—Herewith is transmitted a communication from the Secretary of the Borough of Queens, bearing date of August 11, 1914, requesting the approval of a map showing a change in the grade of Decatur Street, between Wyckoff Avenue and Irving Avenue.

This change provides for increasing the elevation of Decatur Street by about one foot at its intersection with the Evergreen Branch of the Long Island Railroad, for the insertion of an intermediate grade point in Decatur Street between Irving Avenue and the railroad, and for a slight increase in the elevation of the crown heretofore established between the railroad and Wyckoff Avenue. These changes are desired in order to make the grades conform more closely with the elevation to which improvements have here been carried out than did those heretofore adopted.

A slight adjustment in the grade of the railroad will be required where it crosses Decatur Street, and I am informally advised that the railroad company has expressed its willingness to bring the track at this point into conformity with the elevation now proposed, no general treatment for the separation of grades for this branch of the railroad having been projected.

I see no reason why the map should not be adopted, and would recommend such action after a public hearing.

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 changing the grade of Decatur Street between Wyckoff Avenue and Irving Avenue, in the Borough of Queens, 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 17, 1914.

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 6th day of November, 1914, at 10.30 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

Laying Out a Street System for the Territory Bounded Approximately by Peconic Avenue, Greenwood Avenue, Dumont Avenue, Cedar Avenue, Blake Avenue, Lefferts Avenue, Dumont Avenue, Raritan Street, North Conduit Avenue, Panama Street and Fairfield Avenue, Designated as Section 175 of the Final Maps, Borough of Queens (Cal. No. 83).

The Secretary presented a communication dated June 15, 1914, from the Secretary to the President of the Borough of Queens, transmitting a map showing the proposed change; and the following report of the Chief Engineer of the Board:

Report No. 14047. October 3rd, 1914.

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

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of June 15th, 1914, requesting the approval of the Final Map of Section No. 175. This map relates to the territory bounded approximately by Peconic Avenue, Greenwood Avenue, Dumont Avenue, Cedar Avenue, Blake Avenue, Lefferts Avenue, Dumont Avenue, Raritan Street, North Conduit Avenue, Panama Street and Fairfield Avenue, comprising an area of about 367 acres.

The plan appears to have been prepared in conformity with the treatment indicated on a large tentative plan for the district, which was adopted by the Board on July 6th, 1911, excepting that provision has been made for a few unimportant grade changes and for increasing the width of Fairfield Avenue from 80 to 100 feet. In 1909 a final map was adopted for Panama Street, under which provision was made for giving the street a width of 60 feet, and title to it has since been acquired along these lines; provision is now made for increasing the width to 80 feet in the section between North Conduit Avenue and South Conduit Avenue, but all of the land affected is already in City ownership.

The increase now proposed in the width of Fairfield Avenue harmonizes with that which has been given the street on a plan already approved showing its continuation into the Borough of Brooklyn, and is designed in recognition of the fact that it will form an important traffic artery connecting with Flatlands Avenue in the Borough of Brooklyn, and crossing an area at or near the head of all of the terminal basins along the North Shore of the Jamaica Bay waterfront.

The northeasterly portion of the territory affected by the plan has been developed by the Bay View Heights Land Company along lines identical with those now indicated, excepting in the case of Lefferts Avenue, for which a lesser width has been proposed. Aside from the streets in this locality, the Hawtree Creek Road and the Old South Road, the territory is generally undeveloped. No recognition appears to have been given on the plan to the Hawtree Creek Road, and its closing appears to have been deemed practicable by the developers of the adjoining area; in connection with a plan recently considered by the Board for the adjoining section on the north, information was presented by the borough authorities to show that it was believed practicable to ignore this street. The Old South Road is almost wholly absorbed within the lines of North Conduit Avenue.

In the southwesterly corner of the territory a development appears to have been planned by the property owners along lines inconsistent with those now proposed, but the property is at present unimproved and it is believed that no lot subdivision has taken place. In this vicinity the territory is crossed by the Rockaway Beach Division of the Long Island Railroad where it is proposed to separate grades through the elevation of the railroad; in recognition, however, of the impracticability of bringing about this improvement at the present time, the railroad right-of-way has been excluded from the plan.

The territory appears to have been provided with streets of adequate width, the list, in addition to Fairfield Avenue, including Lefferts Avenue, Greenwood Avenue and Peconic Avenue, each with a width of 100 feet. In general the remaining north and south streets have a width of 60 feet, while those having an easterly and westerly direction are intended to be 80 feet wide.

This map includes territory traversed by the Brooklyn Conduit, and in conformity with the recommendation of the Select Committee, as well as with the tentative plans previously approved, provision has been made for laying out marginal streets approximately on each side of the area now used for conduit purposes, it being understood that the latter property would ultimately be utilized as a parkway and playground. No provision is made in the plan for the assignment to parkway or playground use of the parcels now in private ownership which fall between the lines of the two marginal streets, although such assignment would seem to be desirable prior to the institution of proceedings for acquiring either of the marginal streets in order that these areas might be taken at the same time provided that the parkway scheme is to be made a reality. I believe, however, that this omission might properly be supplied through the presentation of a separate map to include the entire parkway project in order that the undertaking might be considered as a whole.

In my judgment the plan as now presented can properly be approved, and such action is recommended after a public hearing.

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 the street system within the area designated as Section No. 175 of the Final Map, bounded approximately by Peconic Avenue, Greenwood Avenue, Dumont Avenue, Cedar Avenue, Blake Avenue, Lefferts Avenue, Dumont Avenue, Raritan Street, North Conduit Avenue, Panama Street and Fairfield Avenue in the Borough of Queens, 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 1, 1914.

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 6th day of November, 1914, at 10.30 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

Borough of Richmond.

Establishing the Lines and Grades for Decker Avenue, from Cherry Lane to Post Avenue (Cary Avenue), Borough of Richmond (Cal. No. 84).

The Secretary presented a communication dated May 6, 1914, from the President of the Borough of Richmond, transmitting a map showing the proposed change; and the following report of the Chief Engineer of the Board:

Report No. 14046. October 3rd, 1914.

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 May 6th, 1914, requesting the approval of a map showing the lines and grades proposed for Decker Avenue, between Cherry Lane and Post Avenue (Cary Avenue).

This street is intended to have a length of about 3,600 feet and a width of 80 feet, the treatment indicated coinciding with that shown upon a large tentative plan for this section, which was approved by the Board at the meeting held on November 29th, 1911, excepting that provision is now made for a few grade changes, generally of a minor character. The street has been approximately graded and the abutting property is partially improved in the section north of John Street, this comprising about one-half of its length. Through the remaining length a narrow roadway is in use, but no buildings have been erected. The grades conform approximately with the elevation to which the street is in use, excepting in the vicinity of Cherry Lane, where a maximum cut of about ten feet appears to be required.

From information presented on the plan it would appear that the width now proposed for the street has been recognized by the property owners through nearly its entire length, other than which there would appear to be but little justification for the width assigned to the street, inasmuch as it does not occupy a position which would warrant its recognition as a traffic artery. The Borough President advises that the owner of a considerable portion of the abutting property is desirous of ceding land within the street lines to the City as soon as the map is adopted.

I see no reason why the plan should not be approved, and would recommend such action after a public hearing.

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 Decker Avenue from Cherry Lane to Post Avenue 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 April 30, 1914.

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 6th day of November, 1914, at 10.30 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Which was adopted by the following vote:

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

MATTERS LAID OVER FROM PREVIOUS MEETINGS.

Public Service Commission for the First District—Amendment of Issues of Corporate Stock Relative to Contracts Awarded to the Eastern Malleable Iron Company and the Manganese Steel Rail Company (Cal. No. 85).

(On August 27, 1914 (Cal. No. 90), the requisition of the Public Service Commission for the First District in this matter were referred to the Comptroller and to the Bureau of Contract Supervision.)

(On October 2, 1914 (Cal. No. 15), the report of the Comptroller thereon was presented to the Board and laid over for one week under Rule 19.)

The Secretary presented the following requisitions of the Public Service Commission for the First District, dated August 25, 1914, requesting additional issues of Corporate Stock for the purpose of procuring track materials: and the following 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, August 25, 1914.

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

On March 13, 1914, your honorable Board appropriated the sum of one thousand and thirty-two dollars ($1,032) for the purpose of carrying out the provisions of the contract dated April 13, 1914, between the Eastern Malleable Iron Company, Incorporated, and The City of New York for the supply of end inclines for use in the construction of rapid transit railroads. This sum was based upon the estimated quantity multiplied by the unit prices in the contract. Upon the completion of the work it is found that the actual quantity exceeds the estimated quantity and that additional money amounting to one hundred and twenty-nine dollars ($129) will be required to pay the contractor for this additional material.

The Public Service Commission for the First District requests your Honorable Board to prescribe a limit to the amount of bonds available to meet the additional requirements of the said contract, to wit, the sum of one hundred and twenty-nine dollars ($129) 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 additional means for the supply of said material for use in the construction of rapid transit railroads at the public expense, to wit, the sum of one hundred and twenty-nine dollars ($129).

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 additional expense of executing said contract, to wit, the sum of one hundred and twenty-nine dollars ($129).

This requisition is a subrequisition on account of and not in addition to 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 25th day of August, 1914.

(Seal.)

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by ROBERT C. WOOD, Acting Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, August 25, 1914.

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

On March 13, 1914, your Honorable Board appropriated the sum of one thousand five hundred and twenty-four and fifty one-hundredths dollars ($1,524.50) for the purpose of carrying out the provisions of the contract dated April 13, 1914, between the Eastern Malleable Iron Company, Incorporated, and The City of New York, for the supply of rail braces for use in the construction of rapid transit railroads. This sum was based upon the estimated quantity multiplied by the unit prices in the contract. Upon the completion of the work it is found that the actual quantity exceeds the estimated quantities and that additional money amounting to one hundred and twenty-three dollars ($123) will be required to pay the contractor for this additional material.

The Public Service Commission for the First District requests your honorable Board to prescribe a limit to the amount of bonds available to meet the additional requirements of the said contract, to wit, the sum of one hundred and twenty-three dollars ($123) 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 additional means for the supply of said material for use in the construction of rapid transit railroads at the public expense, to wit, the sum of one hundred and twenty-three dollars ($123).

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 additional expense of executing said contract, to wit, the sum of one hundred and twenty-three dollars ($123).

This requisition is a subrequisition on account of and not in addition to 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 25th day of August, 1914.

(Seal.)

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by ROBERT C. WOOD, Acting Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

State of New York, Public Service Commission for the First District, Tribune Building, New York, August 25, 1914.

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

On March 13, 1914, your honorable Board appropriated the sum of forty-three thousand one hundred ninety-nine dollars and fifty-two cents ($43,199.52) for the purpose of carrying out the provisions of the contract dated March 20, 1914, between Manganese Steel Rail Company and The City of New York, for the supply of manganese rail for use in the construction of rapid transit railroads. This sum was based upon the estimated quantity multiplied by the unit prices in the contract. Upon the completion of the work it is found that the actual quantity exceeds the estimated quantities and that additional money, amounting to four hundred and eighty-nine 09-100 dollars ($489.09) will be required to pay the contractor for this additional material.

The Public Service Commission for the First District requests your honorable Board to prescribe a limit to the amount of bonds available to meet the additional requirements of the said contract, to wit, the sum of four hundred and eighty-nine 09-100 dollars ($489.09) 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 additional means for the supply of said material for use in the construction of rapid transit railroads at the public expense, to wit the sum of four hundred and eighty-nine 09-100 dollars ($489.09).

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 additional expense of executing said contract, to wit, the sum of four hundred and eighty-nine 09-100 ($489.09).

This requisition is a sub-requisition on account of and not in addition to 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 25th day of August, 1914.

(Seal.)

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by ROBERT C. WOOD, Acting Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

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City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, August 26, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—The Public Service Commission for the First District transmitted to this Board on August 25, 1914, three requisitions asking for additional allowances for the purpose of procuring track materials beyond amounts heretofore specified in three contracts for such kind of materials, which were approved by this Board on March 13, 1914.

These contracts, the approved amounts of contract expenditures therefor, and the additional amounts requested are as follows:

The Eastern Malleable Iron Company, Incorporated, for end inclines; approved cost, $1,032.00; *additional amount requested,* $129.00.

The Eastern Malleable Iron Company, Incorporated, for rail braces; approved cost, $1,524.50; *additional amount requested,* $123.00.

The Manganese Steel Rail Company, for manganese rail, approved cost, $43,199.52; *additional amount requested,* $489.09.

I recommend the adoption of the attached resolutions, which will comply with the requisitions of the Public Service Commission by amending the resolutions authorizing the contracts for the supply of track material referred to herein and which were adopted by the Board of Estimate and Apportionment on March 13, 1914. Respectfully, WM. A. PRENDERGAST, Comptroller.

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The following resolution was offered:

Whereas, the Board of Estimate and Apportionment on March 13, 1914, 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 the Eastern Malleable Iron Company, Inc., for the supplying of end inclines, at an estimated cost of one thousand and thirty-two dollars ($1,032); and

Whereas, the said Public Service Commission, under date of August 25, 1914, has duly requisitioned this Board for the further amount of one hundred and twenty-nine dollars ($129), for the purpose of securing additional materials under said contract; be it, therefore,

Resolved, That the Board of Estimate and Apportionment hereby *amends said resolution of March* 13, 1914, *by adding thereto the amount of one hundred and twenty-nine dollars* ($129), 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 one hundred and twenty-nine dollars ($129), 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 purpose mentioned in the communication of the Public Service Commission for the First District, dated August 25, 1914; said issue of corporate stock to be a charge 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 contract dated March 19, 1913, known as Contract No. 4.

Which was adopted by the following vote:

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

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The following resolution was offered:

Whereas, The Board of Estimate and Apportionment, on March 13, 1914, 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 the Eastern Malleable Iron Company, Incorporated, for the supplying of rail braces for track purposes at an estimated cost of one thousand five hundred and twenty-four dollars and fifty cents ($1,524.50), and

Whereas, The said Public Service Commission, under date of August 25, 1914, has duly requisitioned this Board for the further amount of one hundred and twenty-three dollars ($123.00), for the purpose of securing additional materials under said contract, be it therefore

Resolved, That the Board of Estimate and Apportionment hereby *amends said resolution of March* 13, 1914, *by adding thereto the amount of one hundred and twenty-three dollars* ($123.00); 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 one hundred and twenty-three dollars ($123.00), 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 purpose mentioned in the communication of the Public Service Commission for the First District, dated August 25, 1914; said issue of corporate stock to be a charge 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 contract dated March 19, 1913, known as Contract No. 4.

Which was adopted by the following vote:

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

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The following resolution was offered:

Whereas, The Board of Estimate and Apportionment, on March 13, 1914, 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 and the Manganese Steel Rail Company, providing for the supply of manganese rail at an estimated cost of forty-three thousand one hundred and ninety-nine dollars and fifty-two cents ($43,199.52), and

Whereas, The said Public Service Commission, under date of August 25, 1914, has duly requisitioned this Board for the further amount of four hundred and eighty-nine dollars and nine cents ($489.09), for the purpose of securing additional materials under said contract, be it therefore

Resolved, That the Board of Estimate and Apportionment hereby *amends said resolution of March* 13, 1914, *by adding thereto the amount of four hundred and eighty-nine dollars and nine cents* ($489.09), 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 and eighty-nine dollars and nine cents ($489.09), 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 purpose mentioned in the communication of the Public Service Commission for the First District, dated August 25, 1914, said issue of corporate stock to be a charge 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 contract dated March 19, 1913, known as Contract No. 4.

Which was adopted by the following vote:

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

Public Service Commission for the First District—Consent to Award of Contract to Flinn-O'Rourke Company, Inc., for Construction of Section No. 3, Route No. 33 of the Broadway-Fourth Avenue and of the Seventh Avenue-Lexington Avenue Rapid Transit Railroad, and the Issue of Corporate Stock Therefor (Cal. No. 86).

(On August 27, 1914 (Cal. No. 90), the requisition of the Public Service Commission for the First District in this matter was referred to the Comptroller and to the Bureau of Contract Supervision.)

(On October 2, 1914 (Cal. No. 16), the report of the Comptroller thereon was presented to the Board and laid over for one week under Rule 19.)

The Secretary presented the following requisition of the Public Service Commission for the First District, dated August 25, 1914, for the consent of the Board to the award of the contract to the Flinn-O'Rourke Company, Inc., for the construction of Section No. 3, Route No. 33, a part of the Broadway-Fourth Avenue and of the Seventh Avenue-Lexington Avenue Rapid Transit Railroad, and the issue of Corporate Stock therefor; and the following report of the Comptroller recommending approval thereof:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau St., New York, August 25, 1914.

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 Flinn-O'Rourke Company, Inc., for the construction of Section No. 3 of Route No. 33, being those parts of the Broadway-Fourth Avenue and Seventh Avenue-Lexington Avenue Rapid Transit Railroads which begin at a point under Montague Street in the Borough of Brooklyn about seventy-five (75) feet west of the westerly line of Clinton Street, and extending thence eastwardly under Montague Street and continuing southeastwardly under Fulton Street and eastwardly under private property, Willoughby Street and again under private property to a connection with the Fourth Avenue Rapid Transit Railroad in Flatbush Avenue Extension at Prince Street; with a station in Montague Street between Clinton Street and Court Street.

Also beginning at a point under Fulton Street in the Borough of Brooklyn about one hundred and forty-eight (148) feet south of the southerly line of Clark Street, and extending thence southeastwardly under Fulton Street to a connection with the Brooklyn-Manhattan Rapid Transit Railroad under Fulton Street at Willoughby Street; with a station at Borough Hall.

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 Million Three Hundred and Ninety-five Thousand One Hundred and Fifty-two Dollars ($3,395,152), 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 construction at the public expense of said portions of said railroads.

And the Public Service Commission for the First District does hereby, pursuant to Section 45 of the Greater New York Charter, make request for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing the said contract, to wit, the sum of Three Million Three Hundred and Ninety-five Thousand One Hundred and Fifty-two Dollars ($3,395,152).

This requisition is a subrequisition on account of and not in addition to the requisitions made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board:

(a) 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;

(b) for Sixty Million Dollar ($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,

—and the appropriations made thereunder by your Honorable Board on March 18, 1913.

The proposed contract for Section No. 3 of Route No. 33 provides for the building of a two-track line to be operated by the Interborough Rapid Transit Company under Contract No. 3 and a two-track line to be operated by the New York Municipal Railway Corporation under Contract No. 4. It is impossible in advance precisely to state the portion of the sum of Three Million Three Hundred and Ninety-five Thousand One Hundred and Fifty-two Dollars ($3,395,152) attributable to the line to be operated by the Interborough Company and the line to be operated by the New York Municipal Railway Corporation. The respective costs will have to be determined by the Chief Engineer as the work proceeds in accordance with the provisions of Contracts Nos. 3 and 4 in respect to determining the cost of construction. For the purpose of fixing the proper charge to be made at this time against the respective appropriations made by your Honorable Board on March 18, 1913, it is suggested that thirty-five per cent. (35%) of the $3,395,152 be charged against the appropriation made for the purpose of carrying out Contract No. 3 and sixty-five per cent. (65%) against the appropriation made for the purpose of carrying out Contract No. 4.

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 25th day of August, 1914.

(Seal.)

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by ROBERT C. WOOD, Acting Chairman.

Attest: JAMES B. WALKER, Acting Secretary.

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RAPID TRANSIT RAILROAD.

CONTRACT.

Route No. 33. *Section No. 3.*

Agreement made this day of , 1914, between The City of New York, hereinafter called the City, acting by the Public Service Commission for the First District, hereinafter called the Commission, party of the first part, and hereinafter called the Contractor, part* of the second part.

Whereas the Commission, in behalf of the City, by due advertisement, pursuant to law, has invited contractors to submit to the Commission proposals for making this contract; and

Whereas the Contractor has thereupon duly submitted to the Commission a proposal, which has been accepted; and

Whereas the Board of Estimate and Apportionment of the City has consented to this contract:

Now, therefore, in consideration of the mutual covenants and agreements hereinafter contained, and under the authority of chapter 4 of the laws of 1891, entitled "An Act to provide for Rapid Transit Railways in Cities of over One Million Inhabitants," and of the various acts amending the same, the parties do hereby, the City for itself and its successors, and the Contractor for† and assigns,

Agree each with the other as follows:

CHAPTER I.

GENERAL PROVISIONS AND DEFINITIONS.

Outline of Contract.

Article I. The Contractor agrees to construct the part hereinafter described of a Rapid Transit Railroad with its appurtenances. The City agrees to pay the Contractor the sums of money hereinafter mentioned at the times and in the manner and upon the terms and conditions hereinafter set forth.

Location of Work.

Article II. The Railroad to be constructed under this contract forms part of a certain route adopted by the Commission on May 17, 1912, which is known as the Whitehall Street-East River-Montague Street Route or Route No. 33, and a part of a certain route adopted by the Board of Rapid Transit Railroad Commissioners on May 25, 1905, which is known as the Brooklyn and Manhattan Loop Line or Route No. 9; said routes together being referred to herein as Route No. 33. The part to be constructed under this contract consists of:

Section No. 3. Beginning at a point under Montague Street in the Borough of Brooklyn about seventy-five (75) feet west of the westerly line of Clinton Street, and extending thence eastwardly under Montague Street and continuing southeastwardly under Fulton Street and eastwardly under private property, Willoughby Street and again under private property to a connection with the Fourth Avenue Rapid Transit Railroad in Flatbush Avenue Extension at Prince Street; with a station in Montague Street between Clinton Street and Court Street.

Also beginning at a point under Fulton Street in the Borough of Brooklyn about one hundred and forty-eight (148) feet south of the southerly line of Clark Street, and extending thence southeastwardly under Fulton Street to a connection with the

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*Here insert *y* or *ies*, as the case may be.

†Here insert, if a corporation, *itself, its successors;* if a single individual, *himself, his executors, administrators;* if several individuals, *themselves jointly and severally, and their and each of their executors, administrators.*

Brooklyn-Manhattan Rapid Transit Railroad under Fulton Street at Willoughby Street; with a station at Borough Hall.

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.

Rapid Transit Act Incorporated.

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.

Titles, Etc., Not Part of Contract.

Article IV. Titles, headings, running headlines, tables of contents, indices and marginal notes, printed hereon or attached hereto, are merely for convenience and shall not be deemed to be any part of this contract for any purpose whatever.

Definitions.

Article V. The following words and expressions used in this contract shall, except where by the context it is clear that another meaning is intended, be construed as follows:

"City."

(1) The word "City" to mean The City of New York and any other corporation or division of government to which the ownership, rights, powers and privileges of The City of New York under the Rapid Transit Act shall hereafter come, belong or appertain.

"Commission."

(2) The word "Commission" to mean the Public Service Commission for the First District and any other board, body, commission, official or officials to which or to whom the powers now belonging to the said Commission in respect of the location, construction, equipment, maintenance and operation of rapid transit railroads under the provisions of the Rapid Transit Act shall, by virtue of any act or acts, hereafter pass or be held to appertain.

"Contractor."

(3) The word "Contractor" to mean the part* of the second part to this contract, and† 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 second part to perform any obligations under this contract assumed by the said part of the second part. For convenience the Contractor is hereinafter referred to as if the Contractor were an individual. The word "he" shall, as the sense may require, include "it," "she" and "they"; the word "him" shall include "her," "it" and "them"; and the word "his" shall include "its," "her" and "their."

"Comptroller."

(4) The word "Comptroller" to mean the Comptroller of the City and the officer or board to whom or to which his powers now existing under the Rapid Transit Act shall come or appertain.

"Engineer."

(5) The word "Engineer" to mean the Chief Engineer of the Commission or his duly authorized representative and any successor or successors duly appointed or any deputy or substitute for him who shall be appointed by the Commission or by its authority.

"Inspector."

(6) The word "Inspector" to mean any representative of the Engineer designated by him to act as inspector.

"Rapid Transit Act."

(7) 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, chapters 100, 510, 524 and 540 of the laws of 1913, and chapter 118 of the laws of 1914, or as heretofore otherwise amended.

"Railroad."

(8) The word "Railroad" to mean that 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.

"Works."

(9) The word "Works" to mean all the matters and things herein agreed to be furnished or done by or on the part of the Contractor.

"New York."

(10) The words "New York" to mean the City of New York according to its boundaries at the date of this contract.

"Daily Newspaper."

(11) The words "daily newspaper" to mean any paper regularly published in New York on every day or every day except Sundays and holidays.

"Notice."

(12) The word "notice" to mean a written notice.

"Directed," Etc.

(13) 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.

"Ton."

(14) The word "ton" to mean the short ton of two thousand (2,000) pounds.

"Mean High Water."

(15) The words "mean high water" to mean the main datum plane of surveys, as established by the Commission, to which vertical distances are referred.

Address of Contractor.

Article VI. The Contractor hereby designates room number on the floor of the building number 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 postpaid wrapper directed to the aforesaid place, in any post office box regularly maintained by the Post Office Department, of any notice, direction 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. Service of any notice, direction or other communication may also be made upon the Contractor personally or if the Contractor be a corporation, upon any officer or director thereof.

Contractor Responsible for Acts of Sub-contractor.

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.

Commission May Disapprove Sub-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.

Substitute for Chief Engineer.

Article IX. Any engineer substituted by the Commission in place of the Chief Engineer during the absence, illness or disability of the Chief Engineer 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.

Contractor Not to Assign Contract Without Consent.

Article X. The Contractor shall not assign, transfer, convey, sublet or otherwise dispose of this contract or his right, title or interest in or to the same or any part thereof without the previous consent in writing of the Commission, and he shall not assign by power of attorney or otherwise any of the moneys to become due and payable under this contract unless by and with the like consent. If the Contractor shall without such previous written consent assign, transfer, convey, sublet or otherwise dispose of this contract or of his right, title or interest therein or any of the moneys to become due under this contract to any other person, company or corporation, this contract may at the option of the Commission be revoked and annulled and the City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor and to his assignee or transferee; and no right under this contract or to any money to become due hereunder shall be asserted against the City in law or in equity by reason of any so-called assignment of this contract or any part thereof or of any moneys to grow due hereunder unless authorized as aforesaid by the written consent of the Commission; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors made pursuant to the statutes of the State of New York.

Provision in Case Commission Ceases.

Article XI. 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 XII. 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.

Provisions of Law Deemed Inserted Herein.

Article XIII. It is the intent and understanding of the parties to this contract 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 either party, be amended by such insertion so as to comply strictly with the law without prejudice to the rights of either party hereunder.

Unlawful Provisions of No Effect.

Article XIV. If this contract contains any unlawful provision not an essential part of the general structure of the contract and which shall not appear to have been a controlling or very material inducement to the making thereof, the same shall be deemed of no effect and shall upon the application of either party be stricken from this contract without affecting the binding force of the contract as it shall remain after omitting such provision.

Changes in Contract.

Article XV. No correction or change in this contract shall be made except by written instrument duly authorized by the Commission and consented to by the Contractor and by the sureties upon his bond; but this provision shall not limit or affect the right to prescribe variations whether of construction or of location of route as in this contract elsewhere provided.

Members of Commission Not Liable.

Article XVI. No claim shall be made by the Contractor against any member of the Commission personally under or by reason of this contract or any of its articles or provisions.

CHAPTER II.

Work to be Done, Prices, Etc.

Contractor to Furnish All Labor, Materials, Plant, Etc.

Article XVII. 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. The Contractor understands, and it is expressly agreed, that there are included within his obligation under this Article, as essential features thereof, the provision of shields and other plant adequate in all respects to insure the simultaneous progress of all headings of the tunnels and to insure the construction of the tunnels according to the best rules and usages of such work; the employment of methods best adapted to avoid damage to buildings and other property; and the requirement that the structure when completed shall be as nearly as possible water-tight.

Incidental Work Included.

Article XVIII. The work which is to be done under this contract and which the Contractor agrees to perform for the prices herein agreed upon includes the protection, support and maintenance, including where necessary the securing or underpinning, of adjacent and abutting buildings; the protection, support and maintenance, including where necessary the shifting, relaying, reconstruction, building and rebuilding of sewers, pipes, ducts, conduits, poles, wires, cables, surface, elevated and underground railroads, vaults, including vaults of buildings, and all other surface, subsurface and overhead structures, with their connections and other appurtenances, both along and off the route of the Railroad; the maintenance of traffic on streets, avenues, highways and other public places; and the performance of all such additional and incidental work as may be necessary for the completion of the Railroad and the restoration, including where necessary the reconstruction, of all pavements and other surfaces and of all buildings and other surface, subsurface and overhead structures which may have been directly or indirectly affected, disturbed or injured by the Contractor to as useful, safe, durable and good a condition as existed before construction was begun.

Prices.

Article XIX. The City will pay, and the Contractor shall receive, in full compensation 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 and 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 or compensation contained in the Schedule following, to wit:

*Here and in like blanks hereafter insert *y* or *ies*, as the case may be.

†Here insert, as the case may be, either *its successors*, or *his executors, administrators*, or *their executors, administrators*.

Schedule.

Item 1. For earth excavation above mean high water (except tunnel excavation and excavation for sewers, pipes, ducts and conduits), the sum of dollars ($) per cubic yard.

Item 2. For earth excavation below mean high water (except tunnel excavation and excavation for sewers, pipes, ducts and conduits), the sum of dollars ($) per cubic yard.

Item 2-A. For earth excavation, both above and below mean high water, for sewers, pipes, ducts and conduits other than street railroad ducts and conduits, the sum of dollars ($) per cubic yard.

Item 4-D. For underpining buildings seven (7) stories or more in height, the sum of dollars ($) per lineal foot of building frontage underpinned.

Item 4-J. For underpinning Brooklyn Borough Hall, the lump sum of dollars ($).

Item 5-A. For tunnel excavation above mean high water, the sum of dollars ($) per cubic yard.

Item 5-B. For tunnel excavation below mean high water, the sum of dollars ($) per cubic yard.

Item 6. For concrete, the sum of dollars ($) per cubic yard.

Item 8. For rubble stone masonry, the sum of dollars ($) per cubic yard.

Item 8-A. For dry rubble masonry, the sum of dollars ($) per cubic yard.

Item 9. For brick masonry, the sum of dollars ($) per cubic yard.

Item 9-D. For removal of concrete at connections with Brooklyn-Manhattan and Fourth Avenue Rapid Transit Railroads, the sum of dollars ($) per cubic yard.

Item 10. For hollow terra cotta brick or tile masonry, the sum of dollars ($) per cubic yard.

Item 11. For grout containing Portland cement, the sum of dollars ($) per barrel of Portland cement used.

Item 11-B. For grout containing natural cement, the sum of dollars ($) per barrel of natural cement used.

Item 12. For timber piles, the sum of dollars ($) per lineal foot.

Item 13. For timber foundations, the sum of dollars ($) per thousand feet. board measure.

Item 13-A. For tunnel timbering, the sum of dollars ($) per thousand feet, board measure.

Item 14. For broken stone or gravel, for drainage, the sum of dollars ($) per cubic yard.

Item 15. For waterproofing, treated woven fabric (except dry-ply), as follows:

(a) For one-ply, the sum of dollars ($) per square yard.

(b) For two-ply, the sum of dollars ($) per square yard.

(c) For three-ply, the sum of dollars ($) per square yard.

(d) For four-ply, the sum of dollars ($) per square yard.

(e) For five-ply, the sum of dollars ($) per square yard.

(f) For six-ply, the sum of dollars ($) per square yard.

(i) For dry-ply, the sum of dollars ($) per square yard.

Item 16. For waterproofing, brick laid in asphalt mastic, the sum of dollars ($) per cubic yard.

Item 17. For vitrified or cast-iron pipe drains, as follows:

(a) For twelve (12) inch vitrified pipe, the sum of dollars ($) per lineal foot.

(b) For ten (10) inch vitrified pipe, the sum of dollars ($) per lineal foot.

(c) For eight (8) inch vitrified pipe, the sum of dollars ($) per lineal foot.

(d) For six (6) inch vitrified pipe, the sum of dollars ($) per lineal foot.

(e) For four (4) inch vitrified pipe, the sum of dollars ($) per lineal foot.

(g) For six (6) inch cast-iron pipe, the sum of dollars ($) per lineal foot.

(h) For four (4) inch cast-iron pipe, the sum of dollars ($) per lineal foot.

Item 17-A. For extra heavy cast-iron pipe drains, as follows:

(a) For three (3) inch pipe, the sum of dollars ($) per lineal foot.

(b) For four (4) inch pipe, the sum of dollars ($) per lineal foot.

(c) For six (6) inch pipe, the sum of dollars ($) per lineal foot.

(d) For eight (8) inch pipe, the sum of dollars ($) per lineal foot.

Item 18. For tunnel ducts, the sum of dollars ($) per duct foot.

Item 19. For riveted steelwork, the sum of dollars ($) per ton.

Item 20. For steel beams and shapes, with or without connections, the sum of dollars ($) per ton.

Item 21. For steel rods and bars, the sum of dollars ($) per ton

Item 22. For cast-iron tunnel lining, the sum of dollars ($) per ton.

Item 23. For steel bolts and washers in tunnel lining, the sum of dollars ($) per ton.

Item 25. For miscellaneous iron castings (other than tunnel lining, pipes and sewer castings), the sum of dollars ($) per ton.

Item 25-C. For miscellaneous cast-iron or wrought-iron furnishings for sewer manholes and basins, but not including pipe, the sum of dollars ($) per ton.

Item 26. For special wire forms, the sum of dollars ($) per pound.

Item 27-B. For wood handrail, the sum of dollars ($) per lineal foot.

Item 28. For steel gratings for ventilation, the sum of dollars ($) per square foot.

Item 29. For vault lights, the sum of dollars ($) per square foot.

Item 30. For street surface restored, as follows:

(a) For restoration of sidewalks and other surfaces within curb lines, the sum of dollars ($) per square yard.

(e) For restoration of roadways between curb lines with asphalt pavement, the sum of dollars ($) per square yard.

(f) For restoration of roadways between curb lines with granite block pavement, the sum of dollars ($) per square yard.

(j) For restoration of roadways between curb lines with wood block pavement, the sum of dollars ($) per square yard.

Item 30-A. For new granite curb other than that required for restoration, the sum of dollars ($) per lineal foot.

Item 30-B. For new cement sidewalk other than that required for restoration, the sum of dollars ($) per square yard.

Item 31. For park surface restored, the sum of dollars ($) per square yard.

Item 32. For wrought-iron or steel electric conduits, as follows:

(a) For three-fourths (¾) inch conduits, the sum of dollars ($) per lineal foot.

(b) For one and one-half (1½) inch conduits, the sum of dollars ($) per lineal foot.

(c) For two (2) inch conduits, the sum of dollars ($) per lineal foot.

(d) For one (1) inch conduits, the sum of dollars ($) per lineal foot.

Item 33. For cast-iron outlet boxes, the sum of dollars ($) each.

Item 33-A. For cast-iron pull boxes, the sum of dollars ($) each.

SEWERS.

Item 37. For twelve (12) inch vitrified pipe sewer, the sum of dollars ($) per lineal foot.

Item 38. For fifteen (15) inch vitrified pipe sewer, the sum of dollars ($) per lineal foot.

Item 39. For eighteen (18) inch vitrified pipe sewer, the sum of dollars ($) per lineal foot.

Item 40. For twenty (20) inch vitrified pipe sewer, the sum of dollars ($) per lineal foot.

Item 40-A. For twenty-two (22) inch vitrified pipe sewer, the sum of dollars ($) per lineal foot.

Item 41. For twenty-four (24) inch vitrified pipe sewer, the sum of dollars ($) per lineal foot.

Item 42. For cast-iron sewer pipe (straight pipe), the sum of dollars ($) per ton.

Item 43. For cast-iron sewer pipe (special castings), the sum of dollars ($) per ton.

Item 45. For 3 feet 6 inches by 2 feet 4 inches brick or concrete sewer, the sum of dollars ($) per lineal foot.

Item 49. For 4 feet 6 inches by 3 feet brick or concrete sewer, the sum of dollars ($) per lineal foot.

Item 72-C. For brick masonry in sewers of other sizes than those scheduled, the sum of dollars ($) per cubic yard.

Item 72-D. For concrete in sewers of other sizes than those scheduled, the sum of dollars ($) per cubic yard.

MAINTENANCE OF RAILROADS.

Item 75. For maintenance and support, including reconstruction, of street surface railroads with their ducts and other appurtenances, but not including additional masonry supports and additional vaults, as follows:

(c) For electric (overhead trolley) railroads, the sum of dollars ($) per lineal foot of single track.

Item 76. For underpinning elevated railroad columns, the sum of dollars ($) per column.

Item 76-A. For underpinning the Brooklyn-Manhattan Rapid Transit Railroad in Fulton Street, the lump sum of dollars ($).

Item 76-B. For underpinning the Fourth Avenue Rapid Transit Railroad in Flatbush Avenue Extension, the lump sum of dollars ($).

WATER PIPE CHANGES.

Item 79. For changing six (6) cast-iron water pipes to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dolars ($) per lineal foot.

Item 80. For changing eight (8) inch cast-iron water pipe to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

Item 83. For changing sixteen (16) inch cast-iron water pipe to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

Item 87. For changing thirty-six (36) inch cast-iron water pipe to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

GAS PIPE CHANGES.

Item 90. For changing four (4) inch cast-iron gas pipe to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

Item 91. For changing six (6) inch cast-iron gas pipe to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

Item 92. For changing eight (8) inch cast-iron gas pipe to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

Item 94. For changing twelve (12) inch cast-iron gas pipe to avoid interference with the Railroad, mut not including furnishing new pipe required the sum of dollars ($) per lineal foot.

Item 95. For changing sixteen (16) inch cast-iron gas pipe to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

Item 99-A. For wrought-iron or steel by-passing pipes, upon, above or below the street surface, furnished, placed and removed as follows:

(b) For eight (8) inch pipe, the sum of dollars ($) per lineal foot.

(d) For twelve (12) inch pipe, the sum of dollars ($) per lineal foot.

NEW PIPE FOR WATER AND GAS PIPE CHANGES.

Item 100. For furnishing new cast-iron hub and spigot water or gas pipe (straight pipe) required, the sum of dollars ($) per ton.

Item 101. For furnishing new cast-iron hub and spigot water or gas pipe (special castings) required, the sum of dollars ($) per ton.

HIGH PRESSURE FIRE SYSTEM PIPE CHANGES.

Item 102. For changing eight (8) inch cast-iron pipe for high-pressure fire system, to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

Item 105. For changing twenty (20) inch cast-iron pipe for high-pressure fire system, to avoid interference with the Railroad, but not including furnishing new pipe required, the sum of dollars ($) per lineal foot.

NEW PIPE FOR HIGH-PRESSURE FIRE SYSTEM PIPE CHANGES.

Item 107. For furnishing new cast-iron straight pipe required for high-pressure fire system, the sum of dollars ($) per ton.

Item 108. For furnishing new cast-iron pipe, special casting, required for high-pressure fire system, the sum of dollars ($) per ton.

MAIL TUBE CHANGES.

Item 125. For changing eight (8) inch mail tube to avoid interference with the Railroad, but not including furnishing new mail tube required, the sum of dollars ($) per lineal foot.

Item 126-C. For furnishing new mail tube required, as follows:

(a) For eight (8) inch straight mail tube, the sum of dollars ($) per lineal foot.

(b) For eight (8) inch curved mail tube, the sum of dollars ($) per lineal foot.

CHANGES OF ELECTRIC DUCTS AND CONDUITS IN STREETS.

[Other than street railroad ducts, which are provided for under Item 75.]

Item 127. For changing electric ducts and conduits, other than wrought-iron or steel pipe conduits, to avoid interference with the Railroad, the sum of dollars. ($) per duct foot.

Item 127-A. For changing wrought-iron or steel pipe electric conduits, to avoid interference with the Railroad, as follows:

(a) For two and one-half (2½) inch pipe, the sum of dollars ($) per lineal foot.

(b) For three (3) inch pipe, the sum of dollars ($) per lineal foot.

(c) For three and one-half (3½) inch pipe, the sum of dollars ($) per lineal foot.

(d) For four (4) inch pipe, the sum of dollars ($) per lineal foot.

(f) For two (2) inch Edison conduit, the sum of dollars ($) per lineal foot.

(*g*) For two and one-half (2½) inch Edison conduit, the sum of dollars ($) per lineal foot.

(*h*) For three (3) inch Edison conduit, the sum of dollars ($) per lineal foot.

(*i*) For one and one-half (1½) inch Edison conduit, the sum of dollars ($) per lineal foot.

Work Not Susceptible of Classification.

Item 150. 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 Item, or in case any work or materials shall be required to be done or furnished in or about the Works which are not 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 foregoing classified Items of the Schedule, 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 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 as aforesaid, 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 the first paragraph of this Article mentioned. Payment shall not be made under this Item for any such work or materials which are so required to be done or furnished in or about the Works and which are not 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 so far as such work or materials may be, in the opinion of the Engineer, susceptible of classification under the other Items of the Schedule, which work or materials shall be paid for in part or in whole, as the case may be, at the unit prices given in such other Items of the Schedule.

Daily Reports Required.

In case any work or materials shall be required to be done or furnished under this Item, for cost plus ten per centum (10%), the Contractor shall at the end of each day furnish to the Engineer daily time slips showing the name and number of each workman employed on such work, 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 such materials furnished, showing the amount and character of such materials, from 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 labor 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 labor or materials, the determination of the Engineer upon such question or dispute shall be final and conclusive upon the Contractor.

Prices May Be Fixed by Agreement.

Instead of the method above described under this Item for paying for any such work or materials to be paid for under this Item, 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 and materials. Such additional unit prices or such lump 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.

Quantities Approximate Only.

Article XX. 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 are 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 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 anticipated profit or loss of profit because of a difference between the quantities of the various classes of work actually done or materials actually furnished and the estimated quantities 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.

Commission May Amplify Drawings.

Article XXI. 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.

Commission May Alter Drawings.

Article XXII. 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 allowances for damages or extra service other than is provided for under the Items of the Schedule.

Work to Be Done in Best Manner.

Article XXIII. 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 Labor, Materials, Plant, Etc., to Be Furnished.

Article XXIV. 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.

Inspection.

Article XXV. The Commission contemplates, and the Contractor approves, the most thorough and minute inspection at all times by the Commission and its Engineer and by their representatives or subordinates of all work to be done and of all materials to be furnished under this contract and of the manufacture and preparation of such materials. It is the intention of the Commission that its Engineer shall draw the attention of the Contractor to all defects in workmanship or materials and other errors or variations from the requirements of this contract; but no omission on the part of the Commission or its Engineer or any of their representatives or subordinates to point out such errors, variations or defects shall give the Contractor any right or claim against the City or shall in any way relieve the Contractor from his obligations according to the terms of this contract.

Contractor to Give Facilities for Inspection.

Article XXVI. 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 his assistants and subordinates and all persons bearing 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.

Uncovering of Finished Work.

Article XXVII. The Contractor shall furnish the Engineer with every 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 replacing of the covering or the making good of the parts removed shall be paid for under the Schedule Item or Items applicable thereto; 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.

Article XXVIII. 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 even though such work and materials may have been previously accepted or estimated for payment. If the work or any part thereof shall be found defective before the final completion and acceptance of the Works, the Contractor shall forthwith make good such defect in a manner satisfactory to the Engineer, and if any material selected or brought upon the ground for use in the work shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials.

Acceptance Not to Relieve Contractor.

Article XXIX. 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.

Engineer's Determination to Be Conclusive.

Article XXX. To prevent disputes and litigations, the Engineer shall in all cases determine the classification for payment and the amount, quality, acceptability and fitness of the several kinds of work and materials to be performed or furnished under this contract, shall determine every question in relation to the Works, 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 XXXI. The Engineer shall make all necessary explanations as to the meaning and intention of the specifications and shall give all orders and directions contemplated therein.

Contractor to Obey Directions of Engineer.

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.

Facilities for Other Contractors.

During the progress of the work it will be necessary for other contractors and persons to do work in or about the construction or equipment of the Railroad. The Contractor shall afford to such other contractors or persons such facilities for doing their work as the Engineer may require.

Engineer to Decide Disputes.

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, or persons employed by, the Commission, including the work at and near 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 or the Commission and shall determine which of them shall perform or complete the details of 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.

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 New York Municipal Railway Corporation, its successors or assigns, or the Interborough Rapid Transit Company, its successors or assigns, or by any contractor or contractor of the New York Municipal Railway Corporation, its successors or assigns, or the Interborough Rapid Transit 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 New York Municipal Railway Corporation, its successors assigns, or the Interborough Rapid Transit Company, its successors or assigns, or to such other contractor or contractors.

Railroad to Be of Highest Class.

Article XXXII. 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 and 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 drawings or 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.

Contract Includes All Matters and Things Requisite.

Article XXXIII. The specifications and the contract drawings taken in connection with the other provisions of this contract are intended to be full and comprehensive and to show all the work required; 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. If in the specifications or in this contract or on the contract drawings any matter or thing requisite in the opinion of the Engineer be not contemplated, mentioned, specified or indicated, or otherwise provided for, nevertheless the same is deemed to be included and the Contractor shall do or furnish the same as part of the work hereunder under the Schedule Item or Items applicable thereto.

Contract and Contract Drawings Mutually Explanatory.

Article XXXIV. 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 decision or explanation of the Engineer shall be final and conclusive.

Contract Drawings.

Article XXXV. The contract drawings referred to in this contract and in the specifications are all countersigned by the Engineer and bear the seal of the Commission and, except typical drawings hereinafter designated, bear the general title:

ROUTE No. 33, SECTION No. 3.

Contract Drawing No.

and are designated and numbered as follows:

A-5, A-6, B-323, B-324, B-325, C-1 to C-61, inclusive, C-401, C-501 to C-506, inclusive, C-601, and are dated June 24, 1914, and the following typical drawings which are all countersigned by the Engineer and bear the seal of the Commission and bear the general title:

Contract Drawing No.

and are designated and numbered as follows:

B-288 and B-289, dated October 22, 1913, B-298, dated February 2, 1914, C-1006, dated April 2, 1914, C-1002 to C-1005, inclusive, dated April 16, 1913.

Supplementary Drawings.

Article XXXVI. In addition to the contract drawings already mentioned, the Commission has had prepared a set of drawings bearing the same seal and general title as the contract drawings, but designated 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, elevated and underground railroads, water mains, gas and other pipes, sewers, electric subways, manholes, hydrants, catch basins and other surface, subsurface and overhead structures.

Supplementary Drawings Not Guaranteed.

Article XXXVII. These supplementary drawings and samples of material 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. 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 or test borings be found erroneous, incomplete or misleading, the Contractor shall take every necessary or proper precaution to overcome the unforeseen difficulty and shall protect, support, maintain, shift, relay, reconstruct or rebuild the additional or different surface, subsurface or overhead structures as herein required.

Contractor Has Examined Location, Drawings, Etc.

Article XXXVIII. The Contractor hereby represents that prior to the execution of this contract he has examined in detail on the ground the location of the work 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 of 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 drawings or because of any lack of information.

CHAPTER III.

SPECIFICATIONS.

(Figures at beginning of paragraphs indicate the serial number of sections.)

I. These specifications are grouped in subdivisions as follows:

1. Brief Description of the Work.
2. General Clauses.
3. Maintenance of Traffic.
4. Support and Restoration of Buildings.
5. Maintenance and Changes of Pipes, Railroads, etc.
6. Excavation.
   - 6.1. Open and Covered Excavation.
   - 6.2 Tunnel Excavation.
7. Materials and Workmanship.
   - 7.1. Piling and Timbering.
   - 7.2. Cement.
   - 7.3. Concrete.
   - 7.4. Brick and Stone Masonry.
   - 7.5. Grouting.
   - 7.6. Waterproofing.
   - 7.7. Steel and Iron.
   - 7.8. Painting.
   - 7.9. Pipes.
   - 7.10. Tunnel Ducts.
   - 7.11. Station Conduits.
   - 7.12. Drains and Pumps.
   - 7.13. Vault Lights.
   - 7.14. Gratings, Hand-rails, etc.
8. Sewers.
9. Backfilling.
10. Restoration of Surface.

Subdivision 1. Brief Description of the Work.

Location of Work.

2. The Railroad is to be a two-track underground structure in two parts; one part beginning at a point under Fulton Street, Brooklyn, near Clark Street, and extending thence under Fulton Street to a connection with the Brooklyn-Manhattan Rapid Transit Railroad under Fulton Street at Willoughby Street, and the other part beginning at a point under Montague Street, Brooklyn, near Clinton Street, and extending thence under Montague Street, Fulton Street and Willoughby Street to a connection with the Fourth Avenue Rapid Transit Railroad under Flatbush Avenue Extension.

Form of Structure.

3. The structure is to consist generally of two cast-iron tubes of circular section lined with concrete, but portions of the strucure are to be lined with concrete only. In Montague Street, between Clinton Street and Court Street, there will be a station, formed by joining the tubes into a single structure. In Fulton Street, opposite the Borough Hall, there will be a station in two levels, of steel and concrete construction and rectangular section.

Methods of Construction.

4. The cast-iron portions of the structure and concrete lined portions of the structure in connection therewith are to be built by tunneling methods similar to those employed heretofore for similar works and without disturbance of the surface. Shields are to be used for driving the tubes. The main working shafts for the tunneling operations are to be located in the public place at the intersection of Fulton Street and Liberty Street and in Willoughby Street, between Lawrence Street and Jay Street. Excavations from the surface are in general to be kept decked over for the maintenance of street travel.

Incidental Work Included.

5. The work to be done under this contract includes the performance of certain incidental work which is generally referred to in Article XVIII. It does not include providing or placing permanent track or ventilating apparatus.

Subdivision 2. General Clauses.

Manner of Prosecution.

6. 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 and other surface work affecting, or affected by, street traffic shall be prosecuted during such hours as will reduce such interference to the 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 the minimum, and the Engineer may, if in his judgment conditions so require, direct that night work be omitted.

Work in Tunnel Both Day and Night.

7. The work in tunnel is expected to be, and if necessary to insure completion within the time limited as hereafter provided in Section 10 shall be, carried on with full forces both day and night without intermission, except that the Contractor will not be required to prosecute his work on Sundays or legal holidays unless to meet an emergency.

Work Continuous in Emergencies.

8. 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.

Work to be Diligent in all Parts.

9. The Contractor shall conduct his operations diligently in all parts of the work so that the completion of the entire work may not be postponed by unnecessary delay in any section. Station construction must be kept so advanced by the Contractor that station finish contractors may complete their work coincidently with the completion of the work hereunder.

Commission May Order Working Shifts Increased.

10. 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 reasonably 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 the extent that may be necessary to insure the completion of the work within the time required by this contract or within the shortest possible time thereafter.

Contractor's Plant.

11. The Contractor shall furnish plant and other means of construction adequate for the prosecution of the work at a rate of progress which in the judgment of the Engineer will secure the completion of the work within the time herein limited therefor. If at any time the plant or any portion of it shall appear to the Engineer to be, or likely to become, inadequate, incomplete or faulty, the Contractor shall promptly obey the orders of the Engineer to supplement or to remove and replace the same; but the failure of the Engineer to issue such orders shall not relieve the Contractor of his responsibility for the adequacy and safe operation of the plant.

All fuel used shall be anthracite coal and special devices shall be provided for minimizing noise and for preventing cinders and dust.

Permits. Permits to be Filed With Borough President.

12. No work shall be begun until the Commission shall issue to the Contractor a permit authorizing him to proceed. The permits shall be in such form and shall cover such portions of the work as the Commission shall prescribe. No permits for excavation will be issued until the Contractor has given satisfactory assurances that the material for construction will be available when needed. 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 iron and steel required for such place, unless otherwise permitted by the Engineer. 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 shorter period.

Notice of Intention to Commence Work.

13. The Contractor, at least one (1) week before commencing work at any point, shall give notice in writing to the Engineer of his intention to commence such work; and he shall also, at least one (1) week before commencing or resuming manufacture of any article called for by these specifications, give notice in writing to the Engineer of his intention to commence or resume such manufacture, with the name and address of the manufacturer and the amount and description of the material to be manufactured.

Plant Structures to be Approved.

14. Detailed drawings showing the location and construction of dumping or working platforms and all other structures in connection with the Contractor's plant shall be submitted to the Engineer and receive his approval before permits will be granted for their construction.

Compliance With Laws and Ordinances.

15. In all operations connected with the Works the Contractor shall strictly comply with 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 affect the materials belonging to them, and he shall further strictly comply with all other applicable Federal, State and Municipal regulations regarding the transportation of materials in and around the City and Harbor of New York.

Requirements of Local Authorities.

16. Whenever the construction of the Railroad or any other work hereunder 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.

Drawings Prepared by Engineer.

17. The Engineer will prepare and furnish to the Contractor during the progress of the work drawings in amplification or modification of the contract drawings and drawings showing the adjustment and reconstruction of all surface, subsurface and overhead structures wherever the reconstruction of the same is necessitated by the construction of the Railroad.

Drawings Prepared by Contractor.

18. 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 Engineer may issue in amplification or modification of the contract drawings. All working or shop drawings shall be submitted in duplicate to the Engineer for his approval, which approval will 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 will return one set of such working or shop drawings, with the necessary corrections and changes indicated thereon; and the Contractor shall 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 shall be obtained, which approval will 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 four additional copies of such approved drawings.

Orders to Superintendent, Overseer or Foreman.

19. 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 directions 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. The Contractor shall also maintain during the performance of the work an office in the immediate vicinity of the work in a location approved by the Engineer, at which office he or his duly authorized representative shall be present at all times. Orders or directions, written or oral, from the Engineer delivered at such office shall be considered as delivered to the Contractor. Copies of the contract, including the specifications, and of the drawings for the work shall be kept at such office ready for use at any time.

Waste Material.

20. The Contractor must not allow waste material of any kind to remain on the streets or to accumulate in the excavations, but he must cart away all waste material and dispose of it as hereinafter provided at his own expense. The Contractor shall also at his own expense keep the work, streets and all public places occupied by him clear of all refuse and rubbish and leave them in a neat condition; but this is not to be construed as placing upon the Contractor the usual duties of the Street Cleaning Department.

Water Supply.

21. The Contractor 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.

Sanitary Conveniences.

22. Sanitary 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.

Advertisements Not Permitted.

23. The Contractor shall not place or permit the placing of any advertising matter, other than the name and address of the Contractor, upon fences, buildings or any part of the work or plant or materials.

Temporary Structures to be Painted.

All temporary structures and fences erected by the Contractor shall be neat in appearance and shall be painted as directed by the Engineer.

Competent Men.

24. 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.

Electric Lighting.

25. Electricity shall be used for lighting the tunnels, shafts and plant. All parts of the work shall be well illuminated. The lighting of each tunnel shall be at least equivalent to that given by thirty-two (32) candle power lamps at intervals of thirty (30) feet. Adequate special illumination shall be provided wherever work is in progress or is to be inspected. Electric wires must be kept thoroughly insulated, and special precautions must be taken to avoid short-circuits through parts of the tunnel. If electric power is used in the tunnel the power circuit shall be kept separate from the lighting circuit.

Lines and Grades.

26. The Engineer will give all lines and grades and will indicate the same by marks or points established at such intervals or in such manner as he deems necessary for the proper performance of the work. Such points and marks shall be carefully preserved by the Contractor. The Contractor shall keep the Engineer informed, a reasonable time in advance, of the times and places at which he intends to do work, in order that lines and grades may be furnished with the minimum of inconvenience to the Engineer and delay to the Contractor.

Facilities for Engineer.

27. The Contractor shall provide, as a part of his plant and without cost to the City, all special lights or groups or lights that the Engineer may require in connection with surveys, and telephone communication from each heading to the Engineer's office near each shaft.

Suspension of Hoisting.

28. In order to facilitate the transfer of lines and grades, the Contractor shall without charge to the City suspend hoisting and working at such times, at such places and for such periods as the Engineer may deem necessary.

Payment for Facilities for Engineer.

29. The Contractor shall furnish all work and materials called for by the Engineer for placing monuments, plugs, stakes, instrument platforms or other points or facilities used in surveys, for which he will be paid in the manner provided in Schedule Item 150; but if any such point or facility be disturbed the Engineer may require the Contractor to replace it without compensation.

Subdivision 3. Maintenance of Traffic.

Facilities for Travel.

30. The Contractor shall provide all necessary facilities for street travel, both on

longitudinal and cross streets, and shall conduct his work so as to keep such travel free from interruption, and as far as practicable from being interfered with.

Operation Near Railroads.

31. All operations under or in the vicinity of surface, elevated or underground railroads shall be so conducted as not to render dangerous or interfere with the passage of cars or trains.

Decking.

32. Wherever excavations are made from the surface the Contractor shall, except as herein otherwise permitted or required, in order to minimize interference with traffic and inconvenience to occupants of abutting property, replace pavements, sidewalks or other street coverings, as soon as possible after any section is removed, with an equal area of suitable planking or decking and maintain the same in good condition and repair until the surface is to be restored.

Openings in Streets.

33. Between the hours of 7 A. M. and 7 P. M. on week days the Contractor shall not make or maintain any openings in, or occupy any space upon, any street or other public place except as herein otherwise permitted or required.

Openings to Be Bridged.

34. Openings that are to be maintained for short periods only, including trenches for removing, readjusting or reconstructing pipes, conduits or minor subsurface structures, will not be required to be decked, unless otherwise directed, but the Contractor shall provide and maintain suitable bridges across such openings at intersecting streets and on the lines of crosswalks and opposite abutting property where required to facilitate access to such property.

Openings for Shafts, Etc.

35. The Contractor will be permitted to make and maintain, during the period necessary for constructing working shafts and taking materials in and out of the tunnels, an opening in the roadway at the working shaft in the public place at the intersection of Fulton Street and Liberty Street and an opening in the roadway at the working shaft in Willoughby Street, between Jay Street and Lawrence Street.

The Contractor will be permitted to use as working shafts the station entrance shafts at or near the ends of the station in Montague Street, but such use shall be limited to that necessary for excavating for and constructing such entrance shafts, the passages connecting them with the station platform and the portion of the station enclosing the platform. The form, size and location of all openings shall be as approved by the Engineer.

Openings for Ventilation.

36. Wherever excavations are decked or where gas might accumulate, suitable openings shall be provided for ventilation.

Storage of Materials in Streets.

37. A reasonable amount of structural and other materials may be stored in the streets occupied by or adjacent to the work, but only to the extent that may be absolutely necessary to avoid delay in construction. Such materials shall not be allowed to accumulate but shall be replenished from day to day as they may be required. In any case materials may be so stored only with the permission of the Engineer, which permission shall be revocable at any time; and the Contractor, if so ordered, shall immediately upon receipt of the order or within a period of time to be therein stated, remove such materials.

Occupation of Streets for Shafts, Etc.

38. The Contractor will be permitted to occupy the streets to the extent which the Engineer may approve as necessary for constructing shafts and for supports for shaft headworks or other approved overhead constructions at or in connection with shafts provided that such occupation shall be regulated so as to cause the least practicable interference with travel.

Access to Fire Hydrants.

39. The Contractor shall not interfere with free access to any fire hydrant or fire alarm box, and shall place no materials within ten (10) feet of the same at any time. When materials are unavoidably placed or piled in the vicinity of a fire hydrant or fire alarm box and to such a height as to prevent it from being readily seen, the position of such hydrant or box shall be indicated by suitable signals, both day and night. 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 Fire Department.

Access to Buildings.

40. The Contractor shall not deprive any building or abutting property of means of access except with the consent of the occupant and after due notice to the Engineer. Where access to any building or abutting property is temporarily cut off by the Contractor, he shall at his own cost handle any materials to be taken to or removed from such building or property, including materials to be removed by the Department of Street Cleaning, between such building or property and the nearest accessible point.

Access to Railroads.

The Contractor shall provide proper and easy means of access to surface railroads.

Decking, How Laid.

41. All decking and bridging and all timbers for the support thereof shall be sound, substantial and free from any defects that might impair their strength. The decking of roadways shall be of such thickness, and shall be so laid and supported, as to prevent deflection of adjacent planks separately when loaded. The planking of the top or wearing surface shall be of hard yellow pine, unless otherwise permitted, shall be straight and free from shakes, shall be sized to a uniform thickness and shall be laid with tight joints. Decking shall be laid so as to prevent water from accumulating in the roadways or entering openings.

Openings, Etc., to Be Guarded.

42. Fences shall be provided around all openings and wherever else required for the protection of the work or of the public. They shall be neat and substantial and shall be painted as directed by the Engineer.

All openings, fences and surface obstructions shall be guarded and shall be indicated at night by suitable and sufficient lights.

Payment.

43. Payment for compliance with the requirements of this Subdivision 3, except such requirements as are specifically provided to be paid for at or in other classified unit prices of the Schedule, is included in the prices stipulated in the Schedule for excavation.

Subdivision 4. Support and Restoration of Buildings.

Prevention of Damage.

44. The Contractor shall make use of such methods of work as are best adapted to preserve the safety and stability of foundations, walls and other parts of buildings and structures and to prevent any disturbance or damage thereto and he shall make good any damage which may in the course of construction be done to any such foundations, walls or other parts of buildings or structures.

Underpinning of Abutting Buildings.

45. The Contractor shall safely and permanently underpin all buildings abutting on Montague Street, Fulton Street and Willoughby Street, which are seven (7) stories or more in height above the level of the curb wherever the foundations of such buildings rest on such material and are in such position with respect to the lines of excavation for the Railroad as to render such underpinning necessary in the opinion of the Engineer. It is expected that the Contractor will be required to underpin the following buildings of seven (7) stories or more in height, unless conditions should develop to render such underpinning unnecessary in the opinion of the Engineer.

Nos.	Street.	Approximate Frontage.
164-166	Montague Street	50 linear feet
188-190	Montague Street	50 linear feet
189-191	Montague Street	50 linear feet
215-221	Montague Street	100 linear feet
336-338	Fulton Street (4 Court Street)	140 linear feet
367-373	Fulton Street	100 linear feet
375-379	Fulton Street	50 linear feet
391-393	Fulton Street	44 linear feet
81	Willoughby Street	108 linear feet

The Contractor shall safely and permanently underpin the foundations of the Brooklyn Borough Hall building, including the foundations of the front entrance steps and columns, wherever such foundations lie above a slope of one (1) horizontal to one (1) verticle drawn upward from any part of the structure to be built hereunder.

The Contractor shall be permitted to underpin or support by other means such other buildings as he may deem it advantageous to himself in the prosecution of his work to so underpin or support, subject to the approval of the Engineer.

By underpinning a building is meant the construction, under the foundations of such building, in advance of the adjacent excavation for the Railroad, of such concrete or masonry piers or walls, concrete piles or cylinders, or similar approved construction, by pneumatic or other methods, as will afford a safe, adequate and permanent support for such foundations and transmit their bearing loads directly through the underpinning structure to such lower level as is necessary, in the opinion of the Engineer, to secure the building and relieve the ground adjacent to the Railroad from undue pressures. The underpinning structure shall be designed to provide an independent support for each building. The Contractor shall dig such test pits adjacent to building foundations as the Engineer may require to determine the necessity for underpinning or securing any building.

All methods of underpinning, securing, supporting, protecting or maintaining buildings or of providing permanent foundations therefor shall be in accordance with drawings prepared by the Contractor and approved by the Engineer; but the approval by the Engineer of such drawings or methods or his omission to require such underpinning, securing or supporting shall not relieve the Contractor of responsibility for damages to persons and property as herein elsewhere provided.

Permits for Underpinning.

46. The Contractor shall at his own expense procure from the owners or tenants of buildings or other persons any permits which may be necessary for the underpinning, securing, supporting, repair or restoration of buildings.

Buildings to Be Kept Tenantable.

47. During the progress of the work, the Contractor shall make such temporary or permanent repairs or restoration as may be required to keep all buildings or parts of buildings disturbed or damaged by his operations in a tenantable condition at all times, and he shall take such other measures as may be necessary for the protection of persons or property in or about the same.

Repairs to Be Made Promptly.

48. As soon as the work adjacent to any building disturbed or damaged by the Contractor's operations is unlikely, in the opinion of the Engineer, to cause any further disturbance or damage, the Contractor shall promptly repair and make good all damage to such building for which he is responsible as herein elsewhere provided.

Annoyance to Occupants to Be Avoided.

49. When the Contractor has entered upon any premises for the purpose of underpinning, securing, supporting, repairing or restoring the same, he shall conduct the work with all possible despatch and in such a manner that the annoyance to the occupants shall be as little as is practicable.

Commission May Make Repairs.

50. If at any time, the Engineer shall certify to the Commission that the Contractor is unnecessarily or unreasonably delaying the work of repair or restoration of any building disturbed or damaged by his work or is neglecting to provide proper protection for persons or property in or about such building, the Commission may make such repairs or cause the same to be made or provide such protection or cause the same to be provided and charge the expense of such work to the Contractor and may in addition to all other remedies deduct such expense from any moneys then due or thereafter coming due to the Contractor under this contract.

Measurement and Payment, Underpinning Buildings.

51. Measurement for payment for underpinning buildings of seven (7) stories or more in height required by the Engineer to be underpinned will be of the frontage underpinned measured at the street level along a line parallel to the line of the street occupied by the Railroad, without allowance by way of measurement for stoops, porches, bays or other projections or for the underpinning of side or interior walls, partitions, interior supports, vaults, stoops, porches or other parts of buildings, except that where the excavation for the Railroad projects into a transverse street, measurement will be made in like manner and as above limited of the frontage underpinned in such transverse street within the limits of such projection. Payment for underpinning buildings of seven (7) stories or more in height required by the Engineer to be underpinned will be at the price stipulated in Schedule Item 4-D, which price shall be in full compensation for underpinning such buildings or parts of buildings and all expense in connection therewith or incidental thereto, except that excavation for test-pits to determine the necessity for underpinning or securing any building will be measured and paid for as provided in Sections 102 and 103.

Payment for underpinning the Brooklyn Borough Hall building will be made at the lump sum price stipulated in Schedule Item 4-J, which price shall be in full compensation for such underpinning and all expenses in connection therewith or incidental thereto.

Payment for all expense other than that for which payment is provided as above, in or in connection with or incidental to underpinning, supporting or securing buildings, their walls and other supports, stoops, porches, vaults, areaways and other parts, including buildings and parts of buildings underpinned, supported or secured by the Contractor for his own advantage in prosecuting his work, shall be deemed to be included in the unit prices stipulated in the Schedule for excavation.

Expense of Repairing Buildings.

52. All expense of repairing or restoring buildings or parts of buildings disturbed or damaged by the Contractor's operations or in any way incident thereto shall be borne by the Contractor and will not be separately estimated for payment, it being understood that allowance therefor has been made in the unit prices of the Schedule; except that payment will be made as provided in Section 78 for changes and reconstruction of vaults of abutting property and structures appurtenant to such vaults necessary in order to avoid physical interference with the Railroad.

Subdivision 5. Maintenance and Changes of Pipes, Railroads, Etc.

Notice to Owners, Etc., of Structures.

53. 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 on such part of the work, at least one (1) week in advance of such commencement, and the Contractor shall file with the Engineer at the same time a copy of such notice.

Requirements of Owners, Etc., of Structures.

54. All work of protecting, maintaining, moving or changing surface, subsurface or overhead structures or appurtenances shall be conducted in accordance with the reasonable requirements, and to the reasonable satisfaction, of the companies or officers owning or having charge of the same, and the Contractor shall furnish such companies or officers with all necessary facilities for inspecting the methods of caring for their structures.

Maintenance and Support of Structures.

55. The Contractor shall at all times by suitable means protect from injury and maintain and support in an entirely safe condition for their usual service all sewers, pipes, ducts, conduits, poles, wires, cables, surface, elevated or underground railroads, including vaults of buildings, and all other surface, subsurface and overhead structures, with their connections and other appurtenances, encountered in or affected by his work.

Temporary Changes for Maintenance.

56. If such protection or the maintenance for such usual service makes it necessary, the Contractor shall temporarily shift, relay or reconstruct any such surface, subsurface or overhead structure or appurtenance, and shall fully restore the same prior to the completion of this contract.

Temporary Changes for Contractor's Convenience.

57. If the Contractor shall, for his own convenience in executing his work, temporarily shift, relay or reconstruct any such structure or appurtenance, he shall fully restore the same prior to the completion of this contract, but no such shifting, relaying or reconstructing shall be done without the previous approval of the Engineer.

Changes to Avoid Interference With Railroad.

58. If it is found that any such structure or any connection or other appurtenance of such structure in its original position would physically interfere with the Railroad, the Contractor shall permanently shift, relay or reconstruct such structure or appurtenance to the extent required by the Engineer and according to his directions.

Repairs of Injuries.

59. If any injury should occur to any such structure or appurtenance resulting from the Contractor's operations or in any way incidental thereto, he shall promptly and fully repair or restore such structure or appurtenance to as good a condition as existed before the injury was done and shall leave the same in a condition as useful, safe, durable and good as that which existed before his work began.

Maintenance and Support of Fire Alarm Telegraph System.

60. The Contractor shall carefully protect and maintain, without injury or inter-

ruption of service, all wires, cables, ducts and other parts of the Fire Alarm Telegraph system encountered in or affected by his work; but should any such injury or interruption occur, he shall immediately repair the injury and restore the service. No Fire Alarm Telegraph wire, cable, connection, or structure containing or supporting the same, shall be disturbed except in the presence of a representative of the Bureau of Fire Alarm Telegraph.

By-passing Gas Pipes.

61. The Contractor shall by-pass such gas pipes as the Engineer may direct wherever excavations are covered by decking and wherever else the Engineer may deem it to be necessary. Temporary by-passing pipes shall be neatly and substantially placed in such positions, either upon or above or below the surface, and in such a manner as to cause the minimum of inconvenience to the public and to the occupants of abutting property; shall be connected to the mains in the intersecting streets where required; shall be provided with gate valves conveniently located for use in emergencies; shall have transferred to them all house and lamp services which it shall be necessary to maintain; and shall be furnished with every feature and facility necessary to provide a temporary system of gas supply in full substitution for the original system. By-passing pipes shall be of wrought-iron or steel and of a size quality and manufacture approved by the Engineer. Pipes twenty (20) inches or less in diameter shall be rolled and pipes more than twenty (20) inches in diameter shall be riveted and caulked steel pipe of one-quarter (¼) inch metal. The portions of gas pipes maintained in place in which the flow of gas has been stopped shall be suitably ventilated. As soon as the progress of the work permits, the original system shall be completely restored and the by-passing system removed.

Shutting Off and Restoring Flow in Water and Gas Pipes.

62. The Contractor shall make all necessary arrangements for the shutting off and the restoration of the flow in water and gas pipes and their connections, and shall bear all necessary expense in connection with the same. In case it becomes necessary to shut off or interfere with the normal and continuous flow of water in any main, or with the connection to any hydrant, the Contractor shall give notice thereof at least forty-eight (48) hours in advance of such shutting off or interference to the Commissioner of Water Supply, Gas and Electricity and to the Fire Commissioner. In case it becomes necessary to shut off the water supply to any building, due notice shall be given in advance to the occupants thereof. Copies of all such notices shall be sent to the Engineer at the time of their issuance. The Contractor shall, if so ordered, make a temporary by-pass or other arrangement to preserve the flow of water while breaking connections.

Location of Gates to Be Ascertained.

63. Before excavating below any water or gas main in service, the Contractor shall ascertain the locations of all gates or valves in such main within the lines of his work or adjacent thereto. A diagram showing such locations in exact relation to street and curb lines shall be kept posted in the Contractor's office on the work, for reference in case of emergency.

Access to Gates, Valves and Manholes.

64. The Contractor shall provide convenient access to gates and valves on water and gas mains and to electric manholes, by means of trap-doors in the decking if necessary.

Cast-iron Pipes to Be Preserved.

65. Wherever cast-iron pipes are shifted, relaid or reconstructed to avoid physical interference with the Railroad, the Contractor shall use care in removing, and shall preserve, all old pipe that is in good condition, so that it may be used in relaying and so as to avoid as far as possible the necessity of providing new pipe.

Support of Railroads.

66. Wherever excavations are made either from the surface or by tunneling under or adjacent to any surface or elevated railroad, the Contractor shall, by underpinning or other supports, preserve the safety of such railroad and maintain the tracks in alignment and grade; and if any injury should occur to such railroad or any part thereof resulting from the Contractor's operations or in any way incidental thereto, he shall promptly and fully repair and restore and, if necessary, reconstruct such railroad or part thereof to as useful, safe, durable and good a condition as that which existed before such injury was done.

Wherever excavations are made from the surface, the Contractor shall, before excavating below the foundation of any elevated railroad column within the lines of the work or adjacent thereto, temporarily or permanently underpin the same in such manner and to such depth as may be necessary to secure it from disturbance due to his operations. Elevated railroad columns within or adjacent to the ordered net lines of any excavation from the surface extending below the foundations of said columns, shall, if required by the Engineer, be permanently supported on concrete or masonry piers, according to plans to be issued by him.

A third track may be added to, and other changes made in, the elevated railroad structure on Fulton Street during the term of this contract, pursuant to the provisions of a certificate dated March 19, 1913, issued by the Commission to New York Municipal Railway Corporation. The Contractor shall afford to New York Municipal Railway Corporation, or its contractor or contractors for the work of third-tracking or otherwise changing said elevated railroad, such facilities for the performance of their work as the Engineer may require. The obligation of the Contractor hereunder to maintain and support both temporarily and permanently in a safe condition said elevated railroad structure and the payment provided therefor relate to the structure whether in its original condition or as third-tracked or otherwise changed under the terms of said certificate or of any modification of said certificate or otherwise.

The Contractor shall, before excavating below the foundations of the Brooklyn-Manhattan Rapid Transit Railroad in Fulton Street or below the foundations of the Fourth Avenue Rapid Transit Railroad in Flatbush Avenue Extension, at or near the points where connections to such railroads are to be made with the work hereunder, safely and permanently underpin such foundations with concrete or masonry piers or walls in such manner and to such depth as may be necessary to secure such foundations from disturbance due to his operations.

Changes of Vaults.

67. If it is found that any vault of abutting property or structure appurtenant to such vault would physically interfere with the Railroad, the Contractor shall permanently change or reconstruct such structure to the extent required by the Engineer and according to his directions.

Plans of Pipe Changes.

68. The Engineer will prepare from time to time as may be necessary tentative drawings showing the proposed rearrangement of surface, subsurface and overhead structures to be shifted, relaid or reconstructed in order to avoid physical interference with the Railroad, and will submit the same to the parties interested. If any reasonable changes are requested by any of the said parties within ten (10) days after the submission of any tentative drawing, such changes will be made, if in the judgment of the Engineer they will best conserve the interest of all parties concerned. A further drawing will then be made which, on the approval of the Engineer, will be final.

Restoration of Structures.

69. As soon as the progress of the work permits, the Contractor shall restore all surface, subsurface and overhead structures or appurtenances changed on account of his work or in any way affected thereby to a condition as useful, safe, durable and good as that which existed before his work began.

Expense of Maintenance and Changes of Structures.

70. All expense of or in any way incidental to the Contractor's operations in protecting, supporting, maintaining, shifting, relaying, reconstructing and restoring surface, subsurface and overhead structures and their appurtenances shall be borne by him, and compensation therefor is deemed to be included in the unit prices stipulated for excavation, except as otherwise herein specifically provided.

Changes of Sewers.

71. Changes of sewers and their appurtenances shall be made in the manner particularly described under "Sewers," and payment for such work will be made as described thereunder.

Measurement and Payment, Pipe Changes.

72. Changes of such water, gas or other pipes, except sewer pipes, as are enumerated in the Schedule necessary in order to avoid physical interference with the Railroad, and requiring the shifting, relaying or reconstruction of such pipes with their connections and other appurtenances, to or in positions other than their original positions, will be estimated for payment on the basis of the actual length of pipe in the new position as ordered, at the appropriate price stipulated in Schedule Items 79, 80, 83, 87, 90, 91, 92, 94, 95, 102, 105 or 125, which price shall be in full compensation for the shifting, relaying or reconstruction of such pipes, their connections and all other appurtenances and all expense in connection therewith or incidental thereto, including laying new pipe and removing and disposing of the old pipe replaced, caulking and recaulking of joints, excavation, backfilling and surface restoration for service connections and other appurtenances, and no other allowance will be made therefor excepting that:

New Pipe.

(1) New pipe, ordered by the Engineer to take the place of such pipe as, in his opinion, cannot be preserved and used, will be estimated for payment, in addition to the payment for changing, on the basis of the actual amount of new pipe in place, subject to the limitations of Section 328 as to excess weights, at the appropriate price stipulated in Schedule Items 100, 101, 107, 108 or 126-C, which price shall be in full compensation for furnishing the new pipe and all expense in connection therewith or incidental thereto.

Excavation.

(2) Excavation for any such pipe and its appurtenant valve chambers, valves, valve boxes and hydrants due to such pipe or such appurtenance thereof being in its new position outside the ordered net lines of excavation for the Railroad and in excess of excavation otherwise required, will be measured and paid for as described in Sections 98, 100 and 103, at the price stipulated in Schedule Item 2-A.

Surface Restoration.

(3) Surface restoration for any such pipe and its appurtenant valve chambers, valves, valve boxes and hydrants due to such pipe or such appurtenance thereof being in its new position outside the ordered net lines of excavation for the Railroad and in excess of surface restoration otherwise required, will be measured and paid for as described in Sections 466 to 469, inclusive, at the price stipulated under Schedule Item 30 or 31.

Measurement and Payment, Duct Changes.

73. Changes of such electric ducts and conduits (other than street railroad ducts and conduits, payment for which is provided for under Schedule Item 75) as are enumerated in the Schedule necessary in order to avoid physical interference with the Railroad and requiring the shifting, relaying or reconstruction of such ducts and conduits with their connections and other appurtenances, to or in positions other than their original positions, will be estimated for payment on the basis of the actual length in duct feet (lineal feet of equivalent single duct) or in lineal feet, as the case may be, of the ducts or conduits, but not including their service connections or other connections, in the new position as ordered, at the price stipulated in Schedule Item 127 for all ducts and conduits other than wrought-iron or steel pipe conduits, or at the price stipulated under Schedule Item 127-A for wrought iron or steel pipe conduits; which price shall be in full compensation for the shifting, relaying or reconstruction of such ducts and conduits, their connections, manholes, vaults, service boxes and all other appurtenances, and all expense in connection therewith or incidental thereto, including furnishing and placing new ducts, conduits and other material where necessary, the drawing of cables and providing new cables where necessary, excavation, backfilling, and surface restoration for service connections and other appurtenances, and no other allowance will be made therefor excepting that:

Excavation.

(1) Excavation for any such ducts and conduits and their appurtenant manholes and vaults due to such ducts and conduits or such appurtenances thereof being in their new positions outside the ordered net lines of excavation for the Railroad and in excess of excavation otherwise required. will be measured and paid for as described in Sections 98, 101 and 103 at the price stipulated in Schedule Item 2-A.

Surface Restoration.

(2) Surface restoration for any such ducts and conduits and their appurtenant manholes and vaults due to such ducts and conduits or such appurtenances thereof being in their new positions outside the ordered net lines of excavation for the Railroad and in excess of surface restoration otherwise required, will be measured and paid for as described in Sections 466 to 469, inclusive, at the price stipulated under Schedule Item 30 or 31.

Measurement and Payment, By-Passing Gas Pipes.

74. Temporary by-passing gas pipes, if ordered by the Engineer, will be measured for payment at their actual lengths as placed in approved positions and payment therefor will be made at the appropriate price, according to the size of by-passing pipe, stipulated under Schedule Item 99-A, which price shall be in full compensation for providing and supporting a temporary system of gas supply in full substitution for the original system and all expense in connection therewith or incidental thereto, including bagging, cutting and capping and installing circulation connections and temporary gas drips, the removal of such temporary system, the complete restoration of the original system, and all excavation, backfilling, temporary maintenance of pavement and surface restoration. All maintenance will be considered as of the original system. Such by-passing system upon its removal will become the property of the Contractor.

Measurement and Payment, Support, etc., of Street Surface Railroads.

75. The maintenance and support, including reconstruction where necessary, of all street surface railroads, with their ducts and other appurtenances, which are required to be maintained and supported within the limits of any excavation made from the surface will be estimated for payment on the basis of the length of single track included within the ordered net lines of such excavation: and payment therefor excavation, backfilling and restoration of surface; excepting that payment for additional masonry supports and additional vaults required by the Engineer to be constructed will be made under the appropriate Items of the Schedule. The street surface railroad in Montague Street shall be considered as an electric overhead trolley railroad for the purpose of classification under Schedule Item 75.

Measurement and Payment, Underpinning Elevated Railroads.

76. The permanent underpinning with concrete or masonry piers of columns supporting elevated railroad structures and their appurtenances, where such columns are within or adjacent to the ordered net lines of any excavation from the surface extending below the foundations of said columns and where such underpinning is required by the Engineer according to drawings issued by him, will be paid for at the price per column stipulated in Schedule Item 76, which price shall be in full compensation for such underpinning and all expenses in connection therewith or incidental thereto; except that payment for concrete or masonry required for such piers and excavation required therefor will be made under the appropriate Items of the Schedule.

Payment, Underpinning Rapid Transit Railroads.

77. Payment for permanently underpinning with concrete or masonry piers or walls the Brooklyn-Manhattan Rapid Transit Railroad in Fulton Street and the Fourth Avenue Rapid Transit Railroad in Flatbush Avenue Extension at or near the points where connections to such railroads are to be made with the work hereunder, will be at the lump sum prices respectively stipulated in Schedule Items 76-A and 76-B, which prices shall be in full compensation for such underpinning and all expenses in connection therewith or incidental thereto, including the concrete or masonry in such piers or walls and excavation therefor.

Measurement and Payment; Changes of Vaults.

78. Changes and reconstruction of vaults of abutting property and structures appurtenant to such vaults necessary in order to avoid physical interference with the Railroad, will be estimated for payment on the basis of the net amount of new construction actually required and will be paid for under the Schedule Item or Items applicable thereto.

Facilities to be Given Owners to Make Extensions, Etc.

79. 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, the Contractor by written permission shall give said owners or the City all reasonable opportunity to perform such work; provided such work or alteration for the benefit solely of the owners of such structures does not cause the Contractor any serious loss or delay, as shall be determined by the Engineer.

Subdivision 6. Excavation.

Excavations, How Made.

80. Excavation for the cast-iron lined portions of the Railroad and concrete lined portions in connection therewith, including the station and station passages in Montague Street, is to be by tunneling. All other excavation is expected in general to be made from the surface.

Excavation Includes Removal of All Materials.

81. Excavation will include the removal of earth, rock, boulders, pavements, masonry, piles, timbers and all other materials that it is necessary to remove in order to construct the Railroad.

Earth Defined.

82. Earth, referring to materials of excavation as classified for payment, shall mean all materials encountered.

Drilling and Blasting.

83. Drilling and blasting shall be conducted carefully and in such a manner as to avoid as far as possible loosening or shattering the rock beyond the ordered net lines of excavation. The Contractor shall blast to the extent directed and with explosives of such power and in such quantities and positions as will not make the excavation unduly large.

Blasting Adjacent to Buildings.

84. Unusual care shall be taken in the use of explosives under or adjacent to buildings or other surface, subsurface or overhead structures. When any foundation or subsurface structure is encountered in or alongside of any excavation, the Contractor may be required to remove all material within five (5) feet of the same by means other than blasting.

Use of Explosives.

85. All City, State and other governmental regulations regarding the composition, transportation, storage and use of explosives shall be strictly complied with. The composition of explosives shall be such as to cause the least amount of injurious fumes. The quantity kept on hand shall not exceed the amount that is necessary to avoid delay to the work. Only experienced men shall be allowed to handle explosives. The Contractor may be required to observe special regulations regarding the time of blasting in or near residential districts.

Sheeting, Bracing, Etc.

86. All timber and lumber used for sheeting, shoring, bracing, roof timbering, decking or similar purposes shall be sound and free from any defects that might impair its strength and of sufficient dimensions for the purposes intended. All timber and lumber for temporary purposes shall be put in place by skilled workmen, shall be keyed tight by wedges where necessary and shall be so arranged as to be removed if required without disturbing the sides of the excavation.

Excavations to Be Kept Dry.

87. The Contractor shall keep all parts of the excavation sufficiently free from water to enable work to be done as nearly as possible in the dry. All water removed from trenches or tunnels shall be conveyed to a suitable point of discharge, in covered pipes if required. It shall be allowed to settle in a tank or sump before being discharged into any sewer. The Contractor shall be responsible for any costs incurred in removing from sewers deposits caused by his work.

Well Points.

88. Where water is removed by pumping in sandy or permeable material, well-points or other special devices may be required, the rate of flow from each well being made so slow as not to remove the particles of the material.

Temporary Partitions in Vaults.

89. Wherever vaults of abutting property are broken through or otherwise disturbed, the Contractor shall at his own expense provide all materials for and erect a six-inch hollow tile wall laid in Portland cement mortar, as a temporary partition, on or about the building line, or as directed, in such manner as to afford proper protection to the owner or occupant of such property. 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 expense.

Carts, Etc., to Be Tight.

90. 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.

Disposal of Excavated Material.

91. Excavated and waste 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 May Be Taken by City.

92. 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.

Subdivision 6.1. *Open and Covered Excavation.*

Width to Be Limited.

93. Special care must be taken to avoid damage wherever excavation is being done. 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 as shall be necessary, in the opinion of the Engineer, for the proper and expeditious progress of the work and for the protection, maintenance and changing of sewers, pipes, ducts, conduits and other subsurface structures.

Depth to Be Limited.

94. Excavations shall be made to such depth 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, but if the bottom of any excavation be taken out beyond the limits prescribed, it shall be refilled at the Contractor's expense with concrete or other suitable filling as the Engineer shall direct.

Excavations to Be Secured.

95. The sides of the excavations shall be secured against movement by suitable sheet piling or sheeting held in place by suitable waling or bracing 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 level of the bottom of the foundation of the building is reached, and 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.

Sheeting to Be Driven.

96. Sheeting shall be driven wherever possible, but when it is placed against the sides of the excavation, the spaces or voids back of the sheeting must be immediately and carefully filled with suitable material to prevent as far as possible any movement of the ground back of the sheeting.

Sheeting Left in Work.

97. No payment shall be made to the Contractor for sheeting left in the ground or in the work, unless the Engineer shall in writing require it to be left in, in which case payment shall be made to the Contractor for the sheeting so left in as measured by the Engineer at one-half the market price, current when the sheeting is ordered left in, for new material of the same grade, character and dimensions, without any allowance or payment for placing such sheeting. This section applies only to the sheeting in excavations made from the surface.

Measurement of Excavation from Surface General.

98. Measurements for payment for any excavation made from the surface will be governed by the net or neat lines, as ordered and indicated on the drawings, of the sides and bottom of the structure for which the excavation is made, within which lines no unexcavated material nor other material not indicated on such drawings will be permitted to remain. The volume to be estimated for payment for any excavation made from the surface, except for the additions hereinafter provided for in this section and in Sections 99, 100, 101 and 102, will be limited to the volume formed by the projection of such net or neat lines vertically upward to the surface, it being understood that there is thus defined the volume of the material in place before its removal included vertically above such net or neat lines between lines extending vertically upward from the lateral extremities of such net or neat lines to the surface. The lines bounding the volume so formed shall be deemed to be the ordered net lines of excavation for any excavation made from the surface.

In estimating volumes no addition will be made for slips or slides or for swelling or increase in volume after removal, nor will any volume be measured more than once within the same space; and no deduction will be made for spaces under sidewalks, for basements or cellars or for spaces occupied by sewers, pipes or other subsurface structures.

No excavation not forming part of a wider excavation will be estimated for payment at less than three (3) feet in width.

Measurement of Sewer Excavation.

99. In excavations for sewers and basin culverts the volume to be estimated for payment will include, in addition to the volume within the ordered net lines of excavation, the volume extending six (6) inches horizontally outside such lines for the sides of the structure above the bottom of the structure.

In excavations for sewer manholes and receiving basins, the volume to be estimated for payment will include, in addition to the volume within the ordered net lines of excavation, the volume extending outside such lines for the sides of the structure to the lines of the smallest rectangular prism, having vertical sides, that will enclose the ordered net lines of excavation for the sides of the structure and be not more than six (6) inches horizontally distant therefrom.

Measurement of Excavations for Pipes.

100. In excavations for changing any such water, gas or other pipe, except sewer pipes, as are enumerated in the Schedule, to avoid physical interference with the Railroad, due to such pipe being in its new position outside the ordered net lines of excavation for the Railroad and in excess of excavation otherwise required, the volume to be estimated for payment will include, in addition to the volume within the ordered net lines of excavation for such pipe, the volume extending outside such lines to vertical lines twelve (12) inches (or eighteen (18) inches if the interior diameter of such pipe is thirty (30) inches or more) horizontally distant from the extremities of the horizontal interior diameter of such pipe and above horizontal lines six (6) inches below the outside of barrel of such pipe.

In excavations for hydrants, valves, valve boxes and valve chambers appurtenant to such pipes, the volume to be estimated for payment will include, in addition to the volume within the ordered net lines of excavation, the volume extending twelve (12) inches horizontally outside such lines for the sides of such appurtenance above its bottom.

Measurement of Excavation for Ducts and Conduits.

101. In excavations for changing such ducts or conduits (other than street railroad ducts or conduits) as are enumerated in the Schedule, to avoid physical interference with the Railroad, due to such ducts or conduits being in their new positions outside the ordered net lines of excavation for the Railroad and in excess of excavation otherwise required, the volume to be estimated for payment will include, in addition to the volume within the ordered net lines of excavation for such ducts and conduits and their appurtenant manholes and vaults, the volume extending six (6) inches horizontally outside such lines for the sides of the structure above the bottom of the structure.

Measurement of Test Pits.

102. Test pits required to be excavated to determine the necessity for securing or underpinning buildings will be estimated as of the dimensions ordered by the Engineer, but not less than three (3) feet square.

Payments for Excavations from Surface.

103. Payment for excavations made from the surface will be at the price stipulated in Schedule Item

1, for earth excavation above mean high water (except excavation for sewers, pipes, ducts and conduits);

2, for earth excavation below mean high water (except excavation for sewers, pipes, ducts and conduits); or

2-A, for earth excavation, both above and below mean high water, for sewers, pipes, ducts and conduits other than street railroad ducts and conduits;

—for the volume of excavation measured as hereinbefore provided; and such payment shall be in full compensation for all excavation, whether within or without the payment lines, and all expense in connection therewith or incidental thereto, it being understood that allowance is included in such stipulated price for all excavation in excess of that limited by the payment lines, for all sheeting, bracing, timbering, fencing, decking and bridging, for maintaining and supporting trenches during and after excavation, for the removal and disposal of all excavated and other materials, for all pumping and bailing, for lighting, for backfilling, and for all such protection, maintenance, support, reconstruction and restoration of buildings or parts of buildings and other surface, subsurface and overhead structures of whatever nature, and their appurtenances, as are not specifically provided to be paid for at or in other classified unit prices of the Schedule.

Subdivision 6.2. *Tunnel Excavation.*

Sequence of Starting Headings.

104. The tunnel headings are to be started first from the shaft near the intersection of Fulton and Liberty Streets, and westwardly from the shaft in Willoughby Street, between Jay and Lawrence Streets. The eastward headings from the Willoughby Street shaft are to be started at such time as will insure their completion at the same time or before the completion of the other headings.

Shields.

105. Shields shall be used in excavating for the cast-iron lined tunnels. The shields shall be of the most approved type and shall be substantially proportioned in all their parts. The design shall make adequate provision for the safety of the workmen and for the application of safe methods for protecting the face of the heading. The rear overhang or tail shall be long enough to extend six (6) inches back of the joint between the last two rings erected when the shield is in position to erect another ring. The frame of the shield shall be riveted as far as practicable. The jacks or rams shall be of sufficient number and proper arrangement to distribute their reactions safely against the tunnel lining, and shall be of sufficient power to move the shield along the line and grade required by the drawings. The drawings for the shields shall be submitted to the Engineer for his approval previous to the construction of the shields, but such approval shall not relieve the Contractor from responsibility for the adequacy and safe operation of the shields.

Shield Operations.

106. Operations at the shield shall be so conducted as to avoid loss of ground or inflow of materials, and the Contractor shall employ all suitable means to this end, such as polings, breast-boards, clay to close interstices at the face of the heading, etc., and suitable materials for packing the space between the tail of the shield and the cast-iron lining. Special care shall be taken in the vicinity of buildings or other structures and as herein elsewhere provided the Contractor shall be responsible for any injury thereto resulting in any way from his operations.

Shield to Be Accurately Driven.

107. The shield must be driven and the tunnel built as nearly as possible on the alignment and grade required by the drawings; any work which, in the opinion of the Engineer, is not so built must be removed and replaced by the Contractor and he shall be entitled to no extra compensation therefor.

Tunnel Timbering.

108. When tunnel excavation is made without the use of a shield, timber shall be used wherever necessary to support the excavation or to protect the work or the workmen. The size and spacing of timbers and the thickness of lagging shall be as the nature of the ground may require. The bents shall be kept tightly wedged and securely footed at all times and sufficient packing shall be used over the timbers to prevent falls. Wherever practicable, timbering shall be removed before the space between the exterior surface of the tunnel lining and the limits of the excavation is filled in.

Cars and Tracks.

109. Cars for transporting materials through the tunnel shall be of substantial design, shall be arranged to be tight and shall be provided with an approved form of brake. There shall be two tracks for material cars between the shaft and each heading. The tracks shall be kept in good grade and alignment and shall be planked between and outside the rails in an approved manner. The system of haulage shall be mechanical and readily controllable. No animals shall be used for haulage in the tunnel except in such special cases as the Engineer may permit.

Cages in Shafts.

110. Cages shall be used in the shafts for hoisting men and materials during the construction of the tunnel and full precautions shall be taken to insure perfect safety. These precautions shall include safety catches of best design with bronze or bronze-bushed bearings, landing dogs at all landings and effective devices for the prevention of over-winding. All parts of the hoisting apparatus, cables, brakes, guides and fastenings shall be of the most substantial design and shall be arranged for convenient inspection. The efficiency of all safety devices shall be established by satisfactory tests before the cages are put into service and at least once every three months thereafter. Cages shall be provided with strong protective roofs and shall be suitably covered or protected with wire netting at the sides. The cage opening shall be protected by sliding or lifting gates or by a trap door cover, worked automatically. Effective and reliable signalling devices shall be maintained at all times to give instant communication from the foot of the shaft to the hoist room. In each shaft there shall be a covered stairway at least two and one-half (2½) feet wide leading from the bottom of the tunnel to the surface.

Erection of Cast-Iron Lining.

111. The cast-iron lining shall be erected in the manner provided in Section 280 and shall be made water-tight in the manner described in Sections 213, 214 and 215.

Voids to be Grouted.

112. Voids outside the cast-iron lining shall be grouted, as specified in Sections 192, 193 and 194.

Measurement, Tunnel Excavation.

113. Measurements for payment for any tunnel excavation will be governed by the net or neat lines, as ordered and indicated on the drawings, of the structure for which the excavation is made, and such lines shall be deemed to be the ordered net lines of tunnel excavation within which no unexcavated material nor other material not indicated on such drawings will be permitted to remain. Volumes for payment will be estimated as of the material in place before its removal within the payment lines hereinafter described in this section and as indicated on the drawings.

In estimating volumes no addition will be made for material removed outside the payment lines whether due to slips, slides, timbering or other cause, nor will any addition be made for swelling or increase in volume after removal; and no deduction will be made for material left within the payment lines, provided that such material will not interfere with placing the structure or moving the shield where a shield is used. No volume will be estimated for payment more than once within the same space.

In tunnel excavations for cast-iron lined tunnels, volumes for payment will be estimated as extending in earth to a line four (4) inches radially outside the exterior surface of the cast-iron lining as ordered and indicated on the drawings.

In tunnel excavations to be lined with concrete, without cast-iron lining, volumes for payment will be estimated as extending at the sides of the excavation to lines six (6) inches horizontally outside the net or neat lines of the sidewalls of the structure, at the top of the excavation to a line fourteen (14) inches (or more in special cases where indicated on the drawings) radially outside the net or neat line of the top or roof of the structure, and at the bottom of the excavation to the net or neat line of the bottom of the structure but in no case below or outside the net or neat line of the bottom of the structure.

In estimating volumes according to the classification of tunnel excavation, the plane of mean high water shall be taken as the boundary between excavation above mean high water and excavation below mean high water.

Payment, Tunnel Excavation.

114. Payment for tunnel excavation will be at the price stipulated in Schedule Item

5-A, for tunnel excavation above mean high water; or

5-B, for tunnel excavation below mean high water;

—for the volume of excavation measured as above in this Section provided; and such payment shall be made in full compensation for all excavation, whether within or without the payment lines, and all expense in connection therewith or incidental thereto, it being understood that allowance is included in such stipulated price for all excavation in excess of that limited by the payment lines, for all lagging, breasting, bracing and timbering in tunnels excavated with the use of a shield for the removal and disposal of all excavated and other materials, for all pumping and bailing, for lighting, for the use of clay in and about the tunnel, for all additional grouting, as described in Section 195, for all backfilling and surface restoration due to disturbance caused by tunneling operations, and for all such protection, maintenance, support, reconstruction and restoration of buildings or parts of buildings and other surface, subsurface and overhead structures of whatever nature, and their appurtenances, as are not specifically provided to be paid for at or in other classified unit prices of the Schedule.

Measurement, Tunnel Timbering.

115. Measurement for payment for timber and lumber used for supporting tunnel excavation, where the same is made without a shield, will be made only in such locations, and to such extent, as the Engineer orders or approves as necessary for the support of the excavation or the protection of the work or the workmen. All timber and lumber used by order, or with the approval, of the Engineer shall be of the dimensions and arrangement directed or approved by him; but if the Contractor is of the opinion, and shall so state in writing, that larger or additional material should be used, he may use such larger or additional material but shall make no claim for compensation for any such excess over and above the requirement of the Engineer.

Measurement of tunnel timbering will be of the sizes and lengths of arch blocks, posts and lagging actually placed, subject to the limitations herein, but no deduction will be made for framing or oblique cuts, nor will any allowance be made for blocking, packing, wedges or any material used in the erection of such timbering but not a part thereof. Timber and lumber removed shall be the property of the Contractor, and if suitable, may be used again.

Payment, Tunnel Timbering.

116. Payment for tunnel timbering measured as above provided, will be at the price stipulated in Schedule Item 13-A, which price shall be in full compensation for furnishing, placing, maintaining and removing such timbering and all expense in connection therewith or incidental thereto, including blocking, packing and wedges and all material in excess of that ordered or approved; it being understood, however, that payment under this item will be made only for tunnel timbering in tunnels excavated without the use of a shield.

Subdivision 7. Materials and Workmanship.

Best Materials and Workmanship.

117. All materials and workmanship shall be of the best class in every respect and the Engineer shall be the sole judge of their quality and efficiency.

Imperfect Construction to be Corrected.

118. Any imperfect construction which may be discovered before the final completion and acceptance of the Works shall be corrected immediately on the requirement of the Engineer and at the Contractor's expense, notwithstanding that it may have been previously accepted or estimated for payment.

Damaged Work to be Replaced.

119. Any work of whatever kind which may become damaged from any cause before the final completion and acceptance of the Works shall be broken up or removed and be replaced by good and sound work at the Contractor's expense.

Condemned Materials to be Removed.

120 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.

Structures to be Water Tight.

121. It is the intent and purpose of these specifications to secure a railroad structure underground which shall be as nearly as possible free from the percolation of ground or outside water. The mixing and placing of the concrete, the caulking and grommeting of the cast-iron lining and the placing and protection of the waterproofing shall be with this end in view.

Subdivision 7.1. Piling and Timbering.

Piles.

122. If, in the judgment of the Engineer, the ground is of such a character as to require piling, the Contractor shall drive such piles as the Engineer directs. Timber piles shall be of good, sound pine or spruce or other acceptable timber, straight and free from shakes, shall be not less than twelve (12) inches in diameter at the butt end and not less than six (6) inches in diameter at the point, and shall be driven to the satisfaction of the Engineer, by means of a steam hammer driver if required. If required 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 only in such manner as he directs. Piles shall be carefully cut off to the grade given by the Engineer.

Driving Piles.

123. 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 or otherwise prepared to receive capping timber or concrete.

Measurement and Payment, Timber Piles.

124. Measurement for payment for timber piles will be made only of the actual lengths of piles remaining within the net width of the finished foundations and forming part of the completed work. Portions cut off, test piles, guide piles, or piles other than those that form a part of the finished foundation will not be estimated for payment, it being understood that the Contractor has made allowance therefor in the unit price. Payment for timber piles will be at the price stipulated in Schedule Item 12, which price shall be in full compensation for furnishing, driving and preparing the piles ready for the capping timbers or concrete and all expense in connection therewith or incidental thereto.

Concrete Piles.

125. If, in the judgment of the Engineer, special conditions so require, piles of reinforced concrete of an approved form of construction shall be used and will be paid for under Schedule Item 150.

Timber Foundations.

126. Timber foundations shall be built if so directed by the Engineer.

Foundation Timber.

127. All foundation timber shall be of pine or spruce or other acceptable timber, sound and free from shakes. It shall be of such dimensions and laid in such manner as may be required and shall be held in place by bolts, spikes or good seasoned oak or locust treenails.

Measurement and Payment, Timber Foundations.

128. Measurement for payment for timber foundations will be made only of the actual finished lengths of timber forming part of the completed foundations, without allowance for waste, but no deduction will be made on account of tenons, mortises or oblique cuts. Payment for timber foundations will be at the price stipulated in Schedule Item 13, which price shall be in full compensation for furnishing, placing and fastening the timber foundations complete and all expense in connection therewith or incidental thereto.

Subdivision 7.2. Cement.

Portland Cement.

129. All cement used in the work, except where natural cement is required, 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 argiliaceous and calcareous earths or rocks, to which no addition greater than three (3) per centum has been made subsequent to calcination.

Natural Cement.

Natural cement, of a kind and quality satisfactory to the Engineer, shall be used for grouting immediately behind shields and for other special purposes as required.

Brand to Be Approved.

130. 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 the United States 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.

131. Cement shall be subject to inspection at the place of manufacture and on the work and to such tests as may be ordered by the Engineer. The Engineer and his representatives shall have access at all times and places to inspect the methods of manufacture, storage and protection and shall have liberty to inspect the daily laboratory records of tests and analyses at the cement works.

Tests.

132. 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.

133. Portland 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 F. The color shall be uniform, bluish gray, free from yellow or brown particles.

Chemical Analyses.

134. Chemical analyses of cement made from time to time shall show a reasonably uniform composition. Portland cement shall not contain more than 1.75 per centum of sulphuric anhydride (SO_3) nor more than 4 per centum of magnesia (MgO).

Fineness.

135. Portland cement shall be of such fineness that it shall leave a residue, by weight, 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.

136. Portland cement shall not develop initial set in less than thirty (30) minutes, unless a more quickly setting cement is specifically required, and shall develop hard set in not less than one (1) hour nor more than ten (10) hours.

Soundness.

137. Pats of neat Portland 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, Neat Briquettes.

138. Neat Portland 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 moist air, six (6) days in water—of not less than five hundred (500) lbs.; and at the end of twenty-eight (28) days—one day in moist air, twenty-seven (27) days in water—of not less than six hundred (600) lbs. The strength at twenty-eight (28) days shall not be less than that at seven (7) days.

Mortar Briquettes.

Mortar briquettes, composed of one (1) part of Portland cement and three (3) parts of standard Ottawa sand, by weight, shall have at the end of seven (7) days —one (1) day in moist 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 moist 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.

139. 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 the brand of cement showing such tendency and to require that another brand be substituted therefor.

Storage During Tests.

140. All cement shall be held in storage to allow ample time for tests to be made before the cement is required for use.

Packing.

141. 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.

Storage on Work.

142. The Contractor shall at all times keep in store on the work or a 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.

Composition.

143. Concrete shall consist of a mixture of cement, sand, broken stone or gravel, and clean, fresh water.

Sand.

144. Sand for concrete shall be coarse, sharp and silicious, shall not contain more than two (2) per centum of mica, loam, dirt or clay, separately or combined, and shall be equal in quality to the best Hempstead Bay sand. If required by the Engineer it shall be screened.

Stone.

145. 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. 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.

Sizes of Stone.

146. The gravel or broken stone or the mixture of gravel and broken stone for concrete shall be graded from fine to coarse, and that which is all of one size, or practically so, shall not be used. It shall be screened or washed so as to remove all dust, and it shall contain no pieces that will pass through a hole three-eighths (⅜) inch in diameter and no pieces that will not pass through a hole one and one-half (1½) inches in diameter. Gravel or broken stone, graded as above, but between three-eighths (⅜) and three-fourths (¾) inch in diameter, may be required for concrete in special parts of the work.

Proportions.

147. Concrete shall be proportioned of one (1) part of cement, two (2) parts of sand, and four (4) parts of stone.

For purposes of mixture, three hundred and eighty (380) pounds of Portland cement shall be estimated at three and six-tenths (3.6) cubic feet of volume. The proportional parts of sand and stone shall be by volume, as cast into the measuring box. Measuring boxes shall be of approved form and dimensions; wheelbarrow measurement will not be permitted.

The proportion of water shall be at all times as approved by the Engineer or his Inspector, and generally such as to make the concrete as wet as practicable without causing the mortar to separate from the stone. Suitable means shall be provided for controlling and measuring the water for each batch.

Mixing by Machine.

148. 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. The mixing shall be thorough and uniform.

Mixing by Hand.

149. When the Engineer considers it impracticable to mix concrete by a machine, it may be mixed by hand. For hand-mixing, the stone 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 two (2) turnings on the mixing board shall be allowed in any case, water being added as necessary. Care shall be taken to keep the bed of concrete wet and avoid piling. Hand-mixed batches shall not be larger than one-half (½) cubic yard in volume.

Mixing Arrangements to be Approved.

150. The mixing arrangements and their locations shall be as approved by the Engineer. Concrete shall be mixed as close as practicable to the point of deposit, but mixing will generally not be permitted on the street surface.

Receptacles to be Tight.

151. Cars, buckets and other receptacles used for transporting concrete shall be tight and shall be of an approved pattern.

No Retempering.

152. Any concrete that takes its initial set before being placed in the work shall be at once rejected and removed. No retempering will be allowed under any conditions. If at any time, due to long haul or other cause, uniform and satisfactory concrete is not being obtained, the Engineer may require the materials to be mixed dry or slightly damp before being transported, and then remixed, with the proper amount of water, in a mechanical mixer at the point of deposit.

Preparing Earth Surfaces.

153. Earth surfaces shall be wet and compacted by ramming immediately before concrete is deposited upon them.

Water Not to Interfere With Placing.

154. Care must be taken that no water shall interfere with the proper laying of concrete. Water shall be prevented, where practicable, from entering any excavation, at a point where concrete is being placed or while it is setting; or whenever this is not practicable, the water shall be conducted away from the concrete by means of sheet metal shields or pans connected with drains or weepers which shall be grouted, if required by the Engineer, after the concrete is set. No concrete shall be deposited under water without the permission of the Engineer, and then only in strict accordance with his directions.

Tunnel Lining to be Cleaned.

155. Before the concrete lining of the tunnel is placed, the cast-iron lining shall be thoroughly cleaned, except that the Contractor will not be required to remove the tar coating; but this exception does not apply to caulking recesses.

Depositing.

156. Concrete shall be placed as soon as possible 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. If a small amount of water has been used in mixing, ramming shall be continued until the water flushes to the surface. In lining tunnels with concrete every practicable means, including ramming if required, shall be employed to force the concrete into contact with all the limits of excavation (or, in the case of cast-iron lined tunnels with interior concrete lining, into contact with all parts of the interior surface of the cast-iron lining), at one operation, if possible, with the rest of the concrete lining, and all shrinkage spaces and other spaces which it may be impracticable to fill with concrete shall be grouted by means of pipes or channels in the concrete.

Reinforcement to be Kept in Place.

157. Where reinforcement steel or wire mesh is used, satisfactory 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.

Imbedded Stone.

158. In concrete thirty (30) inches or more in thickness, the Contractor may imbed, if permitted by the Engineer, pieces of clean, sound stone the greatest dimension of which does not exceed twelve (12) inches and the least dimension of which is not less than one-third (1-3) of the greatest dimension. These stones shall be set by hand in the concrete as the layers are being rammed and shall be 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.

Forms.

159. Suitable forms shall be provided by the Contractor to support the concrete until it is set. If wood forms are used, the lagging shall be kept carefully planed and shall have tight joints. If required by the Engineer, the joints shall be either tongued and grooved or lapped. If metal forms are used, they shall be sufficiently thick to retain their shape without the use of wood backing. The use of wood forms covered with sheet metal will not be permitted. The lagging or metal surface of forms shall be strongly and rigidly braced and supported. Whenever any form begins to lose its proper shape, it shall immediately be replaced with a new one.

Setting Forms.

160. Forms shall be set in exact position and so maintained by means of centering or other supports sufficiently firm to prevent any deflection due to the pressure of the wet concrete. All joints and bulkheads shall be tight against leakage of mortar or water from the concrete. The surfaces of forms shall be cleaned of all cement and dirt before the concrete is placed. Satisfactory measures shall be taken to prevent the adhesion of mortar to the forms. Forms shall be so placed and supported as to avoid unnecessary obstruction to the passage of men and materials through the work.

Exposed Surfaces to be Smooth.

161. Every precaution shall be taken to place or assemble the forms in such manner that when the forms are removed, after the concrete has been placed, the surfaces of the concrete that are to remain exposed shall be smooth and even.

Time for Setting.

162. 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 until it is thoroughly set.

Surfaces Smooth for Waterproofing.

163. Concrete surfaces to which waterproofing is to be applied shall be made smooth at the time of laying and shall be carefully protected from injury by barricades or otherwise, if necessary, until thoroughly set.

Joints With New Work.

164. Wherever a section of concrete is left unfinished, leaving a surface which will be hard set before additional concrete can be jointed to it, 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 by the Contractor.

Joints Cleaned.

165. In all cases of joints between old and 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.

Removal of Forms.

166. The forms 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. Directions as to the time of the removal of forms shall be strictly followed and this work shall be done with great care so as to avoid injury to the concrete. Immediately on the removal of the forms the surfaces of the concrete that will remain exposed shall be carefully examined and any irregularities of the surface shall be 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, at the Contractor's expense.

Surface Finish.

167. The surfaces of the concrete that will remain exposed, except where the troweled finish hereinafter specified is required, shall be of the smooth and even character produced by the proper use of the best forms. Plastering will not be permitted. As soon as the forms are removed and irregularities corrected, all surfaces which in the opinion of the Engineer are not smooth and even shall be rubbed down in a manner approved by him so as to obtain a uniformly smooth and even finish. Wherever special finish is to be applied under other contracts, the surface of the concrete shall be roughened or scored in an approved manner to provide a proper bond for such finish. Concrete surface requiring special provision for drainage, such as the upper surfaces of drip-pans under ventilating openings and, where required, certain portions of the roof of the Railroad where waterproofing is not used, shall be carefully floated and troweled to give the maximum degree of water-tightness. Concrete surfaces exposed to view from the street, such as the tops of ventilating chamber walls forming a part of the sidewalk surface, and concrete surfaces exposed to view from station platforms, such as the surface of duct benches through stations, shall be carefully floated and troweled to a finish equal to the best grade of granolithic sidewalk work. All outside corners in exposed situations and other surfaces likely to become injured shall be kept suitably covered or protected.

Precautions in Freezing Weather.

168. During freezing weather, the Contractor shall take all necessary precautions to prevent injury to concrete by frost. The Contractor shall employ suitable apparatus for heating the sand, stone and water and shall keep the materials free from frost and ice. Concrete shall not be laid on or next to frozen surfaces. If metal forms are used, satisfactory means shall be employed to keep concrete placed against them from becoming frozen. During freezing weather, concrete shall be protected, as soon as laid, by a suitable covering of salt hay, canvas or tarpaulin or in such other manner as may be necessary to insure it against freezing; and concrete shall not be placed in exposed places where the Engineer considers it impracticable to give such protection.

Precautions in Hot Weather.

169. During hot weather, concrete shall be kept moist by sprinkling, and kept properly covered until it becomes thoroughly set and hardened.

Concrete to be Water-tight.

170. It is intended that the concrete shall be as nearly as possible water-tight. If leaks appear on the surface of the concrete at any time after it is set the Contractor shall remove the concrete through which the leakage takes place and shall replace it with sound concrete or shall prevent water from entering the concrete by injecting grout through holes drilled in the concrete or shall take such other steps as the Engineer may consider practicable to secure water-tightness.

Measurement and Payment, Concrete.

171. Concrete will be measured in place in the work to the net lines of the sections ordered and indicated on the drawings; and no additional allowance by way of measurement will be made, nor other method of measuring used, except that concrete extended to the limits of tunnel excavations not to be lined with cast-iron will be measured as extending to the payment lines described for such tunnel excavations in Section 113. No deduction will be made for space occupied by unexcavated materials or timbering left within the payment lines and outside the net lines of the sections ordered and indicated on the drawings; and no concrete outside of such net lines, except as above in this section provided, will be included in the measurement for payment. In measuring the volume of concrete, all imbedded materials such as ducts, pipes and steel and iron, except rods and bars used for reinforcing the concrete, shall be deducted.

Payment for concrete will be at the price stipulated in Schedule Item 6 for the volume of concrete measured as above in this Section provided; and such payment shall be in full compensation for all concrete, whether within or without the payment lines, and for all expense in connection therewith or incidental thereto, it being understood that allowance is included in such stipulated price for all concrete in excess of that limited by the payment lines, for all ingredients, forms, scaffolding, centering, shields or pans with drains or weepers, troweling, securing water-tightness by grouting or otherwise and all other things required in and for mixing, placing and finishing the concrete.

Removing Concrete.

172. The Contractor shall do all work and furnish all materials required to connect the Railroad with the Brooklyn-Manhattan Rapid Transit Railroad in Fulton Street at Willoughby Street and with the Fourth Avenue Rapid Transit Railroad in Flatbush Avenue Extension at Prince Street, including the removal and replacing of materials required to complete the connections. Payment for the removal of concrete for such connections, measured in place within the lines indicated for removal on the drawings or ordered by the Engineer, will be at the price stipulated in Schedule Item 9-D, which price shall be in full compensation for the removal of such concrete and for all expense in connection therewith or incidental thereto, including the removal of hollow tile, waterproofing, steelwork and ducts, and including resurfacing, splicing waterproofing, disposal of materials, and all other things required for completing the connections.

Bricks.

173. 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. They shall be culled as they are brought on the ground and, if necessary, gauged before laying. Bats and bricks of an improper quality shall be removed from the work, but a limited number of bats may be used in large masses of masonry or under certain conditions in sewer work as hereinafter described. The proportion of bats to be allowed shall in all cases be as determined by the Engineer, but no bats smaller than half bricks shall be used.

Mortar.

174. Mortar for laying brick, hollow terra cotta brick or tile and stone masonry shall be composed of one (1) part cement and two (2) parts sand; for pointing, one (1) part cement and one (1) part sand; and for other classes of work as directed by the Engineer. The kind and quality of the sand used for mortar, and the manner of measuring the volumes of cement and sand, shall be as specified for concrete. Coloring matter shall be added to the mortar for masonry in exposed locations if required by the Engineer. The ingredients of mortar shall be thoroughly mixed dry to a uniform color, after which sufficient clean, fresh water shall be added to form a stiff paste. Mortar that has begun to take an initial set shall not be used. Retempering mortar will not be permitted.

Laying Bricks. Special Bricks.

175. 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 (⅜) of an inch on ends. The bricks shall be wet in an approved manner before laying and shall be completely embedded in mortar under the bottom and on the sides and ends at one operation, care being taken to have every joint full of mortar. All exposed surfaces shall be smooth and regular. Where required to make a neat joint in connection with steel framework, at corners, curves and similar places, special bricks of proper shape shall be furnished and used.

Centers and Forms.

176. All centers and forms shall be made to fit the curves of the work and they shall be put up and removed in a manner satisfactory to the Engineer.

Exposed Faces.

177. The exposed faces of all masonry arches and other masonry laid upon centers or forms shall be thoroughly cleaned and scraped free from projecting mortar immediately after the centers or forms are removed and shall be left in neat condition for pointing. Masonry not laid upon centers or forms shall have the face joints neatly struck when laid.

Joints With New Work.

178. All unfinished work shall be racked back or toothed, as directed by the Engineer, and before new work is joined to it the joint shall be scraped entirely clean, scrubbed with a stiff brush and well moistened.

Hollow Terra Cotta Brick or Tile.

179. Hollow terra cotta brick or tile masonry may be required on the outside of walls of the Railroad, and at such other places as the Engineer may direct. Such brick or tile 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 the Engineer may direct.

Rubble Stone Masonry.

180. Rubble stone masonry shall be used for supporting the street railroads over the roof of the Railroad where permanent supports are required and at such other places as the Engineer may require.

Laying.

181. Rubble stone masonry shal be made of sound, clean stone of suitable size, quality and shape for the work in hand. All beds and joints shall be well filled with mortar and the work must be thoroughly bonded.

Dry Rubble Masonry.

182. In connection with the construction of sewers, and wherever else directed by the Engineer, dry rubble masonry may be required. It shall be made of sound, clean stone not less than three inches thick and one cubic foot contents laid on natural beds and bonded to give the greatest degree of strength, with such spalls as are required for leveling.

Stone to Be Cleaned.

183. All stone before being laid shall be thoroughly cleaned and if so directed by the Engineer shall be washed.

Precautions in Freezing Weather, Etc.

184. The precautions to be observed in laying and protecting masonry during freezing weather, in protecting it during hot weather, in keeping it free from water and in protecting finished work in exposed situations, and the provisions in regard to water-tightness, shall be as specified for concrete.

Pointing.

185. 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, unless otherwise permitted. The joints shall be well wetted before pointing. The pointing mortar shall be packed tightly into the joint and smoothed off with a steel tool. 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.

Measurement and Payment, Brick Masonry.

186. Brick masonry will be measured as of the volume placed in the structure as shown on the drawings or according to directions and payment therefor will be at the price stipulated in Schedule Item 9, which price shall be in full compensation for furnishing, placing and completing such brick masonry and all expense in connection therewith or incidental thereto, including scaffolding, forms, centers, placing and removing the same, pointing and protecting the finished work.

Measurement and Payment, Hollow Terra Cotta Brick or Tile Masonry.

187. Hollow terra cotta brick or tile masonry of any thickness ordered will be measured as of the volume placed in the structure as shown on the drawings or according to directions and payment therefor will be at the price stipulated in Schedule Item 10, which price shall be in full compensation for furnishing, placing and completing such hollow terra cotta brick or tile masonry and all expense in connection therewith or incidental thereto, including scaffolding and supports and placing and removing the same.

Measurement and Payment, Rubble Masonry.

188. Rubble stone masonry and dry rubble masonry will be measured as of the volume actually placed in accordance with the drawings or directions and payment therefor will be at the price stipulated in Schedule Item 8 for rubble stone masonry or in Schedule Item 8-A for dry rubble masonry, which price shall be in full compensation for furnishing, placing and completing such masonry and all expense in connection therewith or incidental thereto.

Masonry of Other Classes.

189. In case stone masonry of a different class from those 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 will be paid for under Schedule Item 150.

Subdivision 7.5. Grouting.

Where Used—Composition—Proportions.

190. Grouting will be done to fill voids behind concrete or cast-iron tunnel lining, and for other purposes as required. Grout shall be composed of equal parts, by volume, of cement and sand, mixed with clean, fresh water, except that in special cases neat cement grout may be required. For purposes of mixture three hundred and eighty (380) pounds of Portland cement, or two hundred and ninety (290) pounds of natural cement, shall be estimated at three and six-tenths (3.6) cubic feet of volume. The proportional volume of sand shall be as cast into the measuring box.

Sand.

191. Sand for grout shall be of the quality specified for concrete, but of such fineness that it will pass a sieve having sixty-four (64) openings per square inch. For special purposes finer sand may be required.

Methods of Grouting.

192. Voids outside the cast-iron tunnel lining shall be filled with grout as hereinafter more particularly specified. Grouting shall be commenced at the bottom of a ring or section and shall proceed uniformly upward unless some other order of grouting is directed. Each plug shall be removed and the grout mixing mchine connected to the grouting hole by means of a hose and a nipple cut to the same thread as the screw plug. The machine shall be of a type which will mix the grout continuously until discharged from the mixer and permit the application of a pressure of sixty (60) pounds per square inch. Care shall be taken not to continue the excess air pressure after the grout is discharged from the mixer. When the grouting through any hole is completed, the plug shall be replaced and screwed up tight. The Contractor shall place such pipes in the upper holes or elsewhere as the Engineer may require to determine the extent or progress of the grouting.

Grouting, Where Shield Used.

193. Where a shield is used in building the tunnel, the grout shall contain natural cement and sand. Every plug in the entire circumference must be removed successively and the proper proportion of grout ejected through it. The grouting shall follow erection of lining as closely as the Engineer deems practicable, and effective means must be employed to confine the grout in sections and to prevent its return into the shield.

Grouting Adjacent to Buildings.

194. All voids outside the cast-iron lining shall be filled with grout to the top of the tunnel.

Additional Grouting at Contractor's Expense.

195. The Contractor will be permitted to eject additional grout in the face of the heading or elsewhere as he may deem advantageous to himself in the prosecution of his work; but no specific payment will be made therefor, it being understood that the cost thereof is included in the classified unit prices for tunnel excavation.

Measurement and Payment, Grouting.

196. Grouting will be paid for on the basis of the number of barrels of cement actually used in grout ejected through the tunnel lining as required in Sections 192, 193 and 194. For purposes of payment three hundred and eighty (380) pounds net of Portland cement or two hundred and ninety (290) pounds net of natural cement will be considered a barrel. If, through inefficient packing between the tail of the shield and the lining, grout is permitted to flow into the shield or tunnel, or if it is permitted to flow around the shield or otherwise wasted, the amount thus wasted, as determined by the Engineer, will not be estimated for payment. Grouting done by the Contractor for his own advantage as described in Section 195 will not be estimated for payment.

Payment for grouting, measured as above in this Section provided, will be at the price stipulated in Schedule Item 11 for grout containing Portland cement, or Schedule Item 11-B for grout containing natural cement, which price shall be in full compensation for completing the grouting, and all expense in connection therewith or incidental thereto, including sand and other materials and making grouting connections.

Subdivsion 7.6. Waterproofing.

Where Used.

197. Waterproofing consisting of one or more plies of waterproofing fabric laid with coal-tar pitch or asphalt, either with or without one or more layers of brick laid in asphalt mastic, will be required to be applied to parts of the Railroad where dependence is not placed on the concrete of the structure or on the cast-iron lining or on other portions of the structure to act as waterproofing. The number of plies of fabric, and the number of layers of brick, shall be as indicated on the drawings or as directed by the Engineer. All waterproofing so laid shall be made absolutely watertight.

Cast-iron Lining to Act as Waterproofing.

In tunnels lined with cast-iron, the lining is to act as waterproofing.

Woven Fabric.

198. The waterproofing fabric shall be woven fabric treated with pitch or asphalt before being brought on the work. The fabric and the material used in its treatment shall be of a kind and quality approved by the Engineer. By the term "ply" is meant a layer of such treated woven fabric, together with its coating of pitch or asphalt placed on each side at the time of laying.

Coal-tar Pitch or Asphalt May Be Used.

199. The Contractor may use either coal-tar pitch or asphalt, subject to the approval of the Engineer, for laying waterproofing fabric. Such pitch or asphalt shall be delivered on the work in barrels or other suitable containers plainly marked with the manufacturer's name and indicating the kind, grade and quality of the material.

Coal-Tar Pitch.

200. Coal-tar pitch shall be straight-run pitch containing not less than twenty-five (25%) per centum nor more than thirty-two (32%) per centum of free carbon. It shall soften at approximately 70 degrees F., and melt at 120 degrees F., being a grade in which distillate oils distilled therefrom shall have a specific gravity of 1.05.

Asphalt.

201. Asphalt shall be fluxed natural asphalt or asphalt prepared by the careful distillation of asphaltic petroleum. The kind and quality of the asphalt and the methods of tests shall be as approved by the Engineer.

The asphalt shall contain not less than ninety-five (95%) per centum of bitumen soluble in cold carbon disulphide; and not less than 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 non-injurious.

The melting point shall be between 100 degrees F. and 175 degrees F., as determined by the Kraemer and Sarnow method.

The consistency at 77 degrees F. shall be such that the depth of penetration of a No. 2 cambric needle weighted with 100 grams, acting for five seconds, shall be between 7.5 and 10 millimeters.

The asphalt shall not flash below 350 degrees F. when tested in a New York State Closed Oil Tester. When 20 grams of the material are heated for five hours at a temperature of 325 degrees F., in a tin box 2½ inches in diameter, it shall not lose over five (5) per centum by weight, nor shall the penetration at 77 degress F., after such heating, be less than one-half the original penetration.

The elongation, as determined from a briquette of the solid bitumen having one square centimeter cross section and made in a Dow mould, shall be not less than 20 centimeters at 77 degrees F., the rate of elongation being 5 centimeters per minute.

Brick.

202. Brick to be used with asphalt mastic shall be as specified for brick masonry. The brick shall be thoroughly dry when laid and may be required to be heated just before laying.

Asphalt Mastic.

203. Asphalt mastic shall contain not less than one-third (⅓) 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 F.

Surfaces, Where Applied.

204. Waterproofing will be applied generally to the surfaces of concrete, brick or hollow tile, but in places where permanent sheeting is placed at the waterproofing line, the waterproofing may, if permitted by the Engineer, be applied against the sheeting.

Laying Fabric.

205. Surfaces to which waterproofing is to be applied shall be cleaned of all dirt and dust and shall be made smooth by cutting away projections and by the use of mortar to fill depressions, if necessary. As far as possible the surface to be waterproofed shall be made dry. On such surface there shall be spread a uniform layer, not less than one-sixteenth (1-16) inch in thickness, of hot melted pitch or asphalt, so as to form a complete covering without blow holes. Immediately on such layer of pitch or asphalt, while it is still melted, there shall be rolled out and pressed into complete contact with it a layer of waterproofing fabric consisting of sheets overlapping not less than four (4) inches on the long edges and not less than twelve (12) inches at ends, with the laps laid in hot melted pitch or asphalt. On this layer of fabric there shall be spread a layer of pitch or asphalt as above specified, another layer of fabric added as above with laps to stagger with the laps of the previous layer of fabric, and the process shall be continued to the full number of layers required, finishing with a layer of pitch or asphalt.

Dry-Ply.

206. If in any case it is impracticable, in the opinion of the Engineer, for the surface to be waterproofed to be made dry, there shall be first laid a "dry-ply" consisting of a layer of treated waterproofing felt of approved quality, on the upper surface of which is to be spread the first layer of hot melted pitch or asphalt for the waterproofing as described in Section 205.

Laps on Side Walls.

207. In waterproofing side wall surfaces, unless otherwise permitted, the ends of the rolls of the bottom layers shall be carried up on the inside of the layers on the sides, and those of the roof down on the outside of the layers on the sides, so as to secure a full lap of at least twelve (12) inches.

Joints with New Work.

208. Where new waterproofing is joined to old, the surface of the old waterproofing at the junction shall be thoroughly cleaned and dried, shall be heated to soften the pitch or asphalt and shall be given a lap of at least twelve (12) inches with the new waterproofing.

Six-Ply Substituted for Brick and Mastic.

209. 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.

Protection.

210. Care shall be taken to protect waterproofing from injury after it is laid and during the placing of the masonry or protective covering against it. Any waterproofing damaged or found to leak shall be repaired or cut out and replaced at the sole expense of the Contractor.

Skilled Labor to be Employed.

211. None but competent men, especially skilled in work of this kind, shall be employed to lay the waterproofing.

Measurement and Payment, Waterproofing.

212. Measurements for payment for ply waterproofing will be made only of the actual net area covered by the number of plies ordered, no account being taken of laps, it being understood that all excess materials, labor and other expense resulting from the requirements for lap have been estimated and provided for by the Contractor in the unit prices. Payment for ply waterproofing will be at the price stipulated in Schedule Item 15, which price shall be in full compensation for furnishing and laying the waterproofing complete and all expense in connection therewith or incidental thereto.

Measurements for payment for waterproofing consisting of brick laid in asphalt mastic will be of the actual volume placed according to the lines indicated on the drawings or ordered by the Engineer; and payment therefor will be at the price stipulated in Schedule Item 16, which price shall be in full compensation for the waterproofing complete and all expense in connection therewith or incidental thereto, including all materials, laying and placing and removal of forms; except that ply waterproofing forming a part of such brick and mastic waterproofing will be measured and paid for as above in this section provided under Schedule Item 15.

Cast-Iron Lining to be Made Water-Tight.

213. As soon as practicable after the cast-iron tunnel lining is erected it shall be made absolutely water-tight by caulking all the joints in the recesses provided for that purpose, and by grommeting all the bolts in the flanges, wherever such joints and bolts lies below a plane two (2) feet above mean high water.

Caulking.

214. Joints shall be made water-tight by a continuous calking of metallic lead in the caulking recesses. The lead must be as nearly as practicable of the same width and thickness as the width of the recess. Before the segments are erected, the rebates to form the caulking recess shall be scraped clean and free from the tar coating. Before caulking, the recesses must be thoroughly cleaned by means of an air jet or water jet under high pressure and if required by scraping. If leakage is found after caulking, the joint shall be recaulked, the lead being removed and renewed if required. Before the concrete lining is placed and at such time as the Engineer permits, the caulking recesses, or the remaining portions thereof where lead caulking is used, shall be filled and pointed with Portland cement mortar mixed in the proportion of one (1) part cement to one (1) part sand. Payment for caulking is included in the price for cast-iron lining, Schedule Item 22.

Grommeting.

215. Leakage around bolts shall be prevented by applying under the washers at the head and nut of each bolt a grommet of hemp well worked up with a paste of red lead, or a mixture of red lead and white lead, in boiled linseed oil. If leakage is found after grommeting, the bolts around which leakage occurs shall be removed and the grommeting renewed until the leakage is stopped. Immediately before the concrete lining in the tunnel is placed, the bolts will be given a final inspection and regrommeted until made absolutely water-tight. Payment for grommeting is included in the price for tunnel bolts, Schedule Item 23.

Subdivision 7.7. Steel and Iron.

According to Drawings.

216. All steel and iron work shall be fabricated in all respects according to general and detailed drawings furnished or approved by the Engineer. The Contractor shall be responsible for the correction of all errors which can be discovered by checking or examining the drawings.

Workmanship.

217. The workmanship shall be equal to the best practice in modern bridge works. All parts exposed to view shall be neatly finished.

Facilities for Inspection.

218. The Contractor shall furnish, free of charge, all facilities for a thorough inspection of material and workmanship, including suitably equipped offices at the mills and at the shops, prepared specimens for testing, the use of a reliable testing machine and necessary assistance for testing, certified chemical analyses of material, copies in triplicate of all mill orders, complete copies in triplicate of all shipping invoices with each shipment showing the scale weight of each individual piece, and full access at all times for the Engineer and Inspectors to any part of the plant or plants where any portion of the material is made or worked.

Notice for Inspection.

219. No material shall be rolled nor work done without due notice to the Engineer so that he may arrange for inspection.

Rejectment at Shop.

220. 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 Contractor at his own cost.

Rejection After Acceptance.

221. The acceptance of any material or workmanship by an Inspector or his failure to notify the Contractor of defects in the same shall not prevent its subsequent rejection if found defective.

Protection.

222. 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 may be rejected.

Protection from Weather.

223. All steel and iron shall be protected from the weather before erection and shall be cleaned of all dirt, rust and scale before being painted or encased in concrete.

Rolled Steel.

Open-Hearth Process.

224. Steel shall be made by the open-hearth process.

Chemical Properties.

225. The chemical properties of the finished material shall conform to the following limits. Steel for plates, bars and shapes shall not contain more than 4/100 of 1 per centum of phosphorus, 5/100 of 1 per centum of sulphur, 6/10 of 1 per centum of manganese, or 1/10 of 1 per centum of silicon. Steel for rivets shall conform to the same limits, except that it shall not contain more than 4/100 of 1 per centum of sulphur.

Chemical Determinations.

226. Chemical determinations of the percentages of carbon, phosphorus, sulphur and manganese shall be made by the manufacturer from a test ingot, so taken during the casting of each melt of steel as fairly to represent the melt. Two copies of such analyses shall be furnished to the Engineer or his Inspector.

Material to Be Sound.

227. 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.

Variation in Weight.

228. 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.

Melt Number.

229. 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.

Tensile and Bending Requirements.

230. Steel for plates, bars and shapes shall have an ultimate tensile strength of from 56,000 to 64,000 pounds per square inch, and steel for rivets shall have an ultimate tensile strength of from 46,000 to 54,000 pounds per square inch. All steel shall have a yield point at not less than 55 per centum of the ultimate tensile strength; a minimum percentage of elongation in eight inches represented by the quotient of 1,500,000 divided by the ultimate tensile strength; shall exhibit a silky fracture; and shall be capable of being bent flat on itself when cold without sign of fracture.

Bending Test for Angles.

Angles three-quarters (¾) of an inch or less in thickness shall open flat, and angles one-half (½) of an inch or 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.

Number of Tests.

231. At least one tensile and one bending test shall be made on specimens cut from the finished material of each melt. In case steel differing three-eighths (⅜) inch or more in thickness is rolled from one melt, tests 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.

Test Pieces.

232. 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.

Rivet Rods.

233. Rivet rods shall be tested as rolled.

Roller Specimens.

234. For rollers the specimens shall be cut from the finished bar so that the center of the specimen shall be one inch from the outside of the bar.

Yield Point.

235. 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.

Rivet Steel Nicking Test.

236. 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.

Retests.

237. If the tests herein specified do not fulfill the requirements of these specifications, duplicate tests may be made at the discretion of the Inspector, who will select and stamp the duplicate test pieces. If these retests meet all requirements, the melt shall be accepted.

Reinforcing Rods to Be Deformed.

238. Rods and bars to be used for reinforcing concrete shall be deformed as approved by the Engineer; plain bars will not be used.

Bent Rods.

239. 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.

Upset for Threads.

240. Rods and bars which are to receive a thread shall be properly upset.

Annealing.

241. Steel, except in minor details, which has been partially heated, shall be properly annealed. Welds in steel will not be allowed.

Straightening.

242. 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 his Inspector.

Shearing and Clipping.

243. Shearing and chipping shall be neatly and accurately done. Sheared edges of plates exceeding five-eighths (⅝) inch in thickness in main members shall be planed at least one-eighth (⅛) inch.

Lattice Bars.

244. Lattice bars shall have neatly rounded ends concentric with rivet holes.

Bolt Heads and Nuts Hexagonal.

245. Nuts and heads of bolts exposed to view and of bolts in cast-iron tunnel lining shall be hexagonal.

Punching, Reaming and Drilling.

246. All material up to a thickness of five-eighths (⅝) inch may be punched without reaming. Material over five-eighths (⅝) inch and not exceeding seven-eighths (⅞) inch in thickness shall be sub-punched and reamed or drilled from the solid. Material over seven-eighths (⅞) inch in thickness shall be drilled from the solid.

Holes Accurately Spaced.

247. 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.

Sub-punching and Reaming.

248. When sub-punching and reaming are required, the punch used shall have a diameter not less than three-sixteenths (3-16) inch smaller than 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 will not be allowd.

Templates.

249. All holes for field rivets, excepting those in connections of lateral and sway bracing, shall be sub-punched and accurately drilled to an iron template 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.

Burrs Removed.

250. All burrs on rivet holes shall be removed.

Size of Rivets.

251. The size of rivets called for on the drawings shall be understood to mean the actual size of the cold rivet before heating.

Reaming After Assembling.

252. Holes of built-up members when assembled must come truly opposite so that the rivets can be inserted without the use of drift pins. If any hole must be enlarged to admit the rivet, it shall be reamed. Poor matching of holes will be cause for rejection.

Assembling.

253. Riveted members shall have all parts well pinned up and firmly drawn together with bolts before riveting is commenced. Surfaces to be in contact or inaccessible after assembling shall be painted.

Riveting.

254. 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, burnt 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 and if necessary such rivets shall be drilled out.

Rivet Spacing.

255. Distances from centers of rivets to edges of sheared plates shall not be less than 1¼ inches for ¾ inch rivets, and 1⅜ inches for ⅞ inch rivets; distances from centers of rivets to rolled edges shall not be less than 1⅛ inches for ¾ inch rivets and 1¼ inches for ⅞ inch rivets. The minimum pitch for ¾ inch rivets shall be 2½ inches and for ⅞ inch rivets 2⅞ inches. When material is sub-punched and reamed the pitch for ¾ inch rivets may be made 2¼ inches and for ⅞ inch rivets 2⅝ inches.

Use of Bolts in Place of Rivets.

256. Generally the use of bolts in place of rivets will not be permitted, but when bolts are so permitted to be used the holes shall be reamed parallel and the bolts turned to a driving fit with the threads entirely outside of the holes. Where bolts are used in place of rivets. 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.

Finished Members to be True.

257. 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.

Planing and Facing.

258. All abutting surfaces shall be accurately planed or faced so as to insure even bearings, except where otherwise noted on the drawings.

Girder Details.

259. 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 Plates.

260. 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.

261. Expansion bed plates shall be planed true and smooth. The finishing cut of the planing tool shall be fine and shall correspond with the direction of expansion.

Filleting Threads.

262. Threads cut on steel shall be properly filleted.

Tunnel Bolts.

263. Bolts and nuts for the joints of cast-iron lining shall be of soft steel, forged from the solid welding, and the threaded end shall project at least one-eighth (⅛) inch outside the nut when screwed up in place in the tunnel. Heads and nuts shall be correctly formed, of the dimensions shown on the drawings, square with the shank, smooth and free from fins. Screw threads shall be U. S. Standard and rolled or pressed to full threads. Bolts shall be capable of bending 180 degrees flat on themselves with-

out crack or flaw. Each bolt shall have a close-fitting wrought-iron or steel washer under the head and nut.

Details Boxed.

264. Nuts, bolts, rivets and other similar material shall be boxed.

Weight Marked.

265. The scale weight shall be plainly marked upon every piece and box.

Measurement and Payment, Rolled Steel Work.

266. Rolled steelwork will be estimated for payment on the basis of the number of tons actually placed in accordance with the drawings or orders to form a part of the completed work. The weight of materials used in grommeting or regrommeting bolts will not be included in the weight of payment. Payment for steelwork so estimated will be at the price stipulated in Schedule Item

19, for riveted steelwork; including under this term all tie-rods, anchor-bolts, bolts other than tunnel lining bolts, and such miscellaneous rolled steelwork, wrought-iron, steel castings and forgings as are not specifically provided to be paid for at or in other classified unit prices, but not including steel beams and shapes, steel rods and bars or tunnel bolts;

20, for steel beams and shapes, including all single beams and shapes, whether milled or otherwise, with or without connections or other details;

21, for steel rods and bars; or

23, for steel bolts, including nuts and washers, grommeted, in tunnel lining;

—which price shall be in full compensation for furnishing and erecting or placing the steelwork complete and all expense in connection therewith or incidental thereto, including fitting, riveting, bolting, cleaning, painting where required, and including, in the case of Schedule Item 23, all expense of furnishing, placing and renewing grommets and retightening and renewing bolts, nuts and washers.

Cast Iron.

Chemical Properties.

267. Cast iron, except as herein below specified for pipes, shall be tough, gray iron made by the cupola process and shall contain not more than six-tenths (0.6) per centum of phosphorus and not more than twelve one-hundredths (0.12) per centum of sulphur. No mill cinder iron, white or burnt iron or inferior scrap will be permitted in the composition.

Cast-Iron for Pipes.

268. Cast iron for sewer pipes, water pipes and drain pipes shall be made of pig iron, remelted in a cupola or air-furnace, 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 per square inch.

Other requirements relating particularly to cast-iron pipes are specified under the subdivision of these specifications relating to pipes.

Bending Test.

269. 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 (1-10) of an inch before rupture.

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 shall be made in a single mold.

Soundness and Finish.

270. Castings shall be made with a high sinking head so as to insure sound metal throughout. They must have clean, smooth surfaces and must be free from blow holes, cold shuts, flaws, fins and surface imperfections. Castings having blow holes plugged or puttied will be rejected. Castings shall conform accurately to the form and dimensions shown on the drawings, and sufficient allowance must be made for planing. Each casting shall have its distinguishing letter or number cast on at the place indicated on the drawings. All castings shall be neatly chiseled and wirebrush dressed before leaving the foundry.

Cored Holes.

271. Bolt holes in segments of the cast-iron tunnel lining may be cored. They shall be circular, of one-quarter (¼) inch larger diameter than the diameter of the bolt used, shall be correctly spaced and shall be perpendicular to the plane of the joint. They shall be filleted on the face opposite the joint as shown on the drawings.

Pitch Coating.

272. After being cleaned and while still hot, at a temperature of about three hundred (300) degrees F., the segments of the cast-iron tunnel lining, cast-iron pipe and other castings not specifically required to be painted shall be dipped in a bath of coal-tar pitch. The pitch shall be distilled free from naphtha, shall be deodorized with a mixture of five (5) per centum of linseed oil and must not be hard or brittle when cold. The pitch must be heated carefully in a suitable vessel to a temperature of three hundred (300) degrees F. and must be maintained at this temperature during the process of dipping. The pitch must be replenished and replaced frequently as it deteriorates or thickens. If in any case it should be impracticable to dip the castings in pitch before cooling, they shall be completely coated, inside and outside, immediately after cleaning, with linseed oil to prevent rusting until dipped. When dipped, the castings shall remain in the pitch bath until they have attained a temperature of three hundred (300) degrees F. No casting shall be dipped after rust has set in. After being dipped, the castings shall be removed slowly from the bath and laid on skids to drip and cool before being machined.

Joints to be Planed.

273. All joints of tunnel segments shall be planed to correct form and dimensions. After a segment has been planed, it shall be tested by applying substantial steel templates to all planed faces, the templates having the exact form required for the faces and having plugs attached to the exact diameter of the bolts outside the threads and of sufficient length to pass entirely through the cored holes. The plugs must enter the bolt holes freely and the joints must correspond exactly with the template. The templates shall be furnished by the Contractor and shall be satisfactory to the Engineer.

Taper Rings.

274. Taper rings for tunnel lining shall have their longitudinal joints planed first and shall then be planed on the circumferential joints while the segments forming a complete ring are firmly bolted together. The segments of each taper ring shall be distinctively marked so that they may be reassembled readily in proper order and shall be shipped together.

Caulking Recess.

275. Each tunnel segment shall have a rebate extending along the edge of the flanges to form a caulking recess after the segments are erected. The rebate shall be formed in moulding, shall be one and a quarter (1¼) inch wide, and may vary in depth, from the plane of the machined face of the flange, between one-sixteenth (1-16) inch and three-sixteenths (3-16) inch.

Tunnel Segments to be Interchangeable.

276. In each type of tunnel ring, except taper rings, all similar segments shall be of such uniformity in dimensions that they will be interchangeable with each other and with similar segments of other rings of the same type. The spacing of bolt holes must be so accurate that any two rings can be bolted together in any relative position. These requirements shall be tested whenever required by the Engineer by assembling and bolting up the segments for at least three (3) rings in a horizontal position, under which conditions the faces of the rings thus bolted up shall be true plane surfaces. The outer edge of the face of any ring shall vary nowhere more than one-half (½) inch from a true circle, nor shall the circumference vary more than one-half (½) inch from that shown on the drawings.

Grouting Holes.

277. Each tunnel segment shall be tapped with a hole near the center for a grouting connection. The hole shall be threaded with a standard bolt thread and closed by a screw plug.

Planed Surfaces to be Coated.

278. Planed surfaces shall be coated before leaving the shop with a mixture of white lead and tallow.

Lugs for Erection.

279. If the Contractor considers it desirable for the purpose of facilitating erection or handling, he may have the tunnel segments cast with a lug or bracket of a form and in a location to be subject to the approval of the Engineer, but no payment will be made for such lugs or brackets, and their weight, as computed by the Engineer, will be deducted from the weight of the casting to obtain the weight to be paid for under Schedule Item 22.

Erection of Tunnel Lining.

280. In erecting the cast-iron lining special precaution shall be taken to preserve the circular form of the tube and to preserve the plane of the face of the rings. The planed surfaces of the segments in contact shall be perfectly free from sand, cement or other material preventing a uniform bearing. Each segment shall be bolted, immediately upon being placed, with a sufficient number of bolts to hold it closely and firmly in contact with adjacent segments and each ring shall be fully bolted and all bolts screwed tight before the erection of the next ring is begun; and all bolts shall be again tightened after two or three more rings have been erected, while the jack pressure is on. As soon as a ring is erected, where a shield is used and elsewhere if required, a substantial tie-rod, provided with a turnbuckle, shall be attached to the flanges at or near the extremities of the horizontal diameter by means of clevis nuts and shall be kept tightly drawn up to prevent flattening of the ring. Tie-rods shall not be removed until all tendency to flattening disappears, and should such tendency reappear at any time, they shall be replaced immediately. The segments in the successive rings shall break joints as fully as possible. The shield jacks must take bearings opposite the web of the segments so as to avoid injury to the flanges. Before any ring is erected, the last ring erected will be carefully examined and any broken or cracked segments shall be replaced by sound ones. Any segments subsequently found broken or defective shall be removed and replaced, if required by the Engineer, or he may, at his option, in lieu of such replacement require that the segment be repaired in place or otherwise strengthened and reinforced to his satisfaction.

Variation in Weight.

281. The actual finished weight of any casting, except as otherwise provided for pipes in Section 328 and for sewer castings in Sections 430 and 439, shall not differ more than two and a half (2½) per centum from the Engineer's calculated weight. In calculating weights, the weight of one (1) cubic foot will be taken at four hundred and fifty (450) pounds.

Measurement and Payment, Cast-Iron Tunnel Lining.

282. The cast-iron lining or shell of the tunnel will be estimated for payment at its actual finished weight in place in the work, including the weight of grouting plugs, but not including the weight of lugs or brackets attached for the purpose of facilitating erection or handling or the weight of materials used in caulking or recaulking joints. The weight of castings broken and removed will not be estimated for payment. Broken or defective castings left in place in the lining, but repaired, strengthened or reinforced, will be included for payment; but no allowance will be made for any expense incurred in such repair, strengthening or reinforcement.

Payment for cast-iron tunnel lining will be at the price stipulated in Schedule Item 22, which price shall be in full compensation for furnishing and erecting the cast-iron lining complete and all expense in connection therewith or incidental thereto, including repairing, strengthening and reinforcing it where required, all caulking and recaulking, filling and pointing of joints.

Measurement and Payment, Miscellaneous Iron Castings.

283. Miscellaneous iron castings, other than tunnel lining, pipes and sewer castings, will be estimated for payment at their actual finished weight in place in the work; and payment therefor will be at the price stipulated in Schedule Item 25, which price shall be in full compensation for furnishing and placing such castings complete and all expense in connection therewith or incidental thereto, including gaskets for manhole covers.

Other Castings and Furnishings.

Payment for new cast-iron water pipes, sewer pipes and drain pipes will be as provided respectively in Sections 72, 453 and 374. Payment for miscellaneous cast-iron or wrought iron furnishings for sewer manholes and receiving basins will be as provided in Section 453.

Cast Steel.

Open Hearth Process.

284. Steel for castings shall be made by the open-hearth process.

Chemical Properties.

285. Cast steel shall not contain more than 5-100 of 1 per centum of phosphorus, 5-100 of 1 per centum of sulphur, 8-10 of 1 per centum of manganese, or 35-100 of 1 per centum of silicon.

True and Sound.

286. Steel castings shall be true to pattern and free from injurious blow holes and other imperfections.

Annealing.

287. All steel castings shall be annealed.

Tensile and Bending Requirements.

288. Cast steel shall have an ultimate tensile strength of not less than 65,000 pounds per square inch; a yield point at not less than 35,000 pounds per square inch; an elongation in two (2) inches of not less than twenty (20%) per centum; a silky or fine granular fracture; and shall be capable of being bent 120 degrees around a bar of diameter three times the thickness of the specimen without sign of fracture.

Test Pieces.

289. 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.

Number of Tests.

290. 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.

Requirements General.

291. The requirements for cast steel as to making chemical determinations to be furnished by the Contractor and the manner of determining the yield point and the elongation shall be the same as for rolled steel, and the requirements as to the general character of workmanship, except as herein specified, shall be the same as for cast iron.

Variation in Weight.

292. The actual weight of any steel casting shall not differ more than four per centum from the weight as calculated by the Engineer at four hundred and ninety (490) pounds per cubic foot.

Wrought Iron.

Character and Finish.

293. All wrought iron shall be double rolled, tough, fibrous and uniform in character. It shall be thoroughly welded in rolling and free from surface defects.

Tests.

294. 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.

Special Wire Forms.

Where Used.

295. Special wire forms, of a type and weight to be approved by the Engineer, shall be furnished and placed around the lower flanges of beams and girders and elsewhere as may be required, to hold the concrete or its reinforcement in place.

Measurement and Payment, Special Wire Forms.

296. Special wire forms will be estimated for payment at their actual weights as placed in accordance with drawings or orders, and payment therefor will be at the price stipulated in Schedule Item 26, which price shall be in full compensation for furnishing and placing the forms and all expense in connection therewith or incidental thereto.

Subdivision 7.8. Painting.

Number of Coats.

297. All steel and iron work, excepting as herein otherwise provided, shall be given three (3) coats of paint, including the shop coat. At stations the third coat will be omitted. Rods or bars to reinforce concrete, and castings required to be coated with pitch shall not be painted. If the Engineer so directs, the shop coat shall be omitted from members or parts of members to be encased in concrete. Paint shall be of kind and quality as approved by the Engineer.

Shop Coat.

298. All steel and iron work to be painted shall be scraped free from scale and

receive one coat of red-lead paint as herein specified, or other approved paint if directed by the Engineer, before leaving the shop. All surfaces which are to come in contact or are to be enclosed shall be painted before assembling. All turned or faced surfaces shall receive a coat of white lead and tallow before leaving the shop.

Red-Lead Paint.

299. Red-lead paint shall be mixed in the proportion of 500 pounds of red lead to 5½ gallons of boiled linseed oil and 11 gallons of raw linseed oil.

Red Lead.

300. The red lead shall be strictly pure and shall contain at least eighty (80) per centum of "true lead" (Pb3 O4). The color shall be a clean, pure tint. The red lead shall be of such fineness that when washed with water through a No. 19 silk bolting cloth, not more than one (1) per centum shall be left on the screen.

Linseed Oil.

301. The linseed oil must be absolutely pure, fully aged and ripened, well settled oil. It shall be perfectly clear on receipt, and after heating to 212 degrees F. on a current of hydrogen shall not show a deposit of foots nor a loss of over 0.4 per centum for raw oil nor over 0.2 per centum for boiled oil. The specific gravity at 60 degrees F. of the raw oil shall be between 0.932 and 0.937, and of the boiled oil between 0.936 and 0.940.

Original Packages.

302. All material shall be delivered in original packages for inspection and sampling.

Renewal of Shop Coat.

303. Where the shop coat has become damaged before or after erection, it shall be renewed with the same kind of paint as originally used, such renewal to be considered only as a part of the shop coat.

Inaccessible Surfaces.

304. Surfaces of exposed members inaccessible after erection shall be cleaned and painted before erection.

First Field Coat.

305. After erection the metal shall be thoroughly cleaned of all dirt, loose rust, scale and other objectionable matter by means of wire brushes or the sand blast and shall be thoroughly and evenly painted with a carbon paint of a kind, color and quality approved by the Engineer. No paint shall be applied until the cleaning has been passed upon by the Engineer or his Inspector.

Second and Third Field Coats.

306. At such time as the Engineer may consider advisable after the erection of the metal work and the placing of the concrete, and before the final acceptance of the work, all exposed members and parts of members shall be thoroughly cleaned and painted with a third or finishing coat of a carbon paint of a kind, quality and color to be approved by the Engineer.

Recesses to Be Filled.

307. All recesses which might contain water, or through which water might enter must be filled with thick paint or a waterproof cement of ground skins before receiving final painting.

Surfaces Close Together.

308. 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.

When Not Permitted.

309. No painting in rainy or freezing weather or on wet surfaces will be permitted.

Payment.

310. Payment for painting is included in the prices for steel and iron.

Subdivision 7.9. Pipes.

New Pipe for Water Pipes, Sewers and Drains.

311. New cast-iron pipe used in changing water pipes to avoid physical interference with the Railroad, and cast-iron pipe for sewers and drains, shall be as specified in this Subdivision.

Requirements, Where Not Specifically Given.

For gas pipes, steam pipes, air pipes, mail tubes and all other pipes for which the requirements are not herein elsewhere given, the weights and all other requirements shall be in accordance with the standard specifications and requirements of the owners of such pipes.

Designated by Interior Diameter.

312. The pipes shall be designated by dimensions of the interior diameter.

To Be Cylinders.

313. The pipes shall be of circular cylinders with the inner and outer surfaces concentric and of the full interior diameter required.

Straight Pipes.

314. All straight pipes shall be straight in the direction of the axis of the cylinder.

Length of Straight Pipe.

315. The straght pipe shall be twelve (12) feet long exclusive of hub, except where the use of shorter pipe is directed. Other pipe shall be of such lengths as may be directed.

Hubs and Spigots.

316. The hub or socket and the spigot end shall be shaped in exact conformity with the standards of the Department of Water Supply, Gas and Electricity, to be furnished by the Commission, and will be tested by circular gauges.

Sockets and Spigots to Be Straight and Even.

317. 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. No pipe will be received if its eccentricity at either the socket or the spigot end exceeds one-eighth (⅛) of an inch or if its dimensions differ by more than one-eighth (⅛) of an inch from those required.

Bands, Lugs, Etc.

318. Bands, lugs, buttons or ribs of such forms and dimensions as the Engineer may direct shall if required be cast on the pipes.

General Requirements.

319. The thickness and weights of all pipe material, methods of laying and testing and all other requirements for pipes shall conform strictly to the standard requirements of the Department of Water Supply, Gas and Electricity except as otherwise specified herein.

Weights of Straight Pipe.

320. The weights of straight pipe, other than high-pressure fire system pipe, in pounds per length of twelve (12) feet, shall be as follows:

4-inch	265	24-inch	2,965
6-inch	416	30-inch	4,460
8-inch	542	36-inch	5,920
12-inch	1,018	42-inch	special
16-inch	1,458	48-inch	9,886
20-inch	1,979	60-inch	special

The weights of straight pipe, with lugs, for high-pressure fire system, in pounds per length as given, shall be as follows:

	3 Ft. Length.	4 Ft. Length.	6 Ft. Length.	12 Ft. Length.
8-inch	355	420	550	935
12-inch	615	745	1,000	1,765
16-inch	1,005	1,215	1,635	2,905
20-inch	1,475	1,795	2,425	4,320
24-inch	2,105	2,585	3,535	6,385

Character and Finish of Castings.

321. The character of metal for castings and the finish of castings shall be in accordance with the requirements specified under "Cast Iron" in Sections 268, 269 and 270 and in accordance with the requirements of this Subdivision.

Straight Pipe Cast Vertically.

322. All straight pipes shall be cast vertically, and all pipes twelve (12) inches or more in diameter shall be cast with the hub end down.

Surface Finish.

323. All castings shall be made in such moulding-sand or loam as will leave the surface clean and smooth.

Distinguishing Marks.

324. All the castings shall have the year in which they are cast, the running number of the castings of the same size and form, the letters D. W. S., the initials or name of the Contractor and of the foundry where cast, cast on the outer side in raised letters not less than two (2) inches in length and one-eighth (⅛) of an inch in relief, in such manner as the Engineer may designate; and in case any pipe shall be condemned, the letters D. W. S. shall be erased by the Contractor.

Cleaning.

325. 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 to remove material adhering to the castings as well as softer brushes to remove the loose dust. No acid or other liquid shall be used in cleaning the castings.

Thickness to Be Calipered.

326. The thickness of the metal of the pipes and special castings will be tested by calipers after the castings have been freed from sand and cleaned.

Variation in Thickness.

327. 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.

328. 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 (2) per centum.

(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.)

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 (5) per centum.

Pitch Coating.

329. After being cleaned and hammer-tested and while still hot, all pipe castings shall be given a covering of pitch as specified in Section 272 under "Cast Iron."

Hydraulic Test.

330. After being dipped, all pipe shall be subjected, at the foundry and at the Contractor's expense, to an internal hydraulic pressure of not less than three hundred (300) pounds per square inch, and for high-pressure fire system pipes to such higher pressure as may be required by the standards of the Department of Water Supply, Gas and Electricity. Any piece which shows any defect by leaking, sweating or otherwise will be rejected.

Weighing and Marking.

331. Each casting shall be weighed and the weight distinctly marked on it in white paint. The Contractor shall provide free of charge at the foundry where the pipes are to be cast, the use of proper sealed scales and weights for weighing the castings under the supervision of the Inspector.

Specials.

332. Stop cocks, boxes, branches, curved pipe and other specials required for new water pipes shall be furnished and set where necessary according to the standards of the Department of Water Supply, Gas and Electricity.

Pipes to Be Blocked.

333. Each pipe over eight (8) inches inside diameter, unless otherwise ordered, shall be placed on two (2) blocks and four (4) wedges, the wedges to rest on the blocks and the pipe on the wedges.

Blocks and Wedges.

334. The blocks and wedges shall be of sound hemlock or other approved timber; 48 and 36-inch pipe shall be laid on blocks 4 feet long, 12 inches wide and 6 inches thick, 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; 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.

335. The spigot end of the pipe shall be inserted into the hub to within from one-fourth (¼) to one-eighth (⅛) of an inch of the full depth of the hub, and the space around the pipe shall be equalized so as to give as nearly as possible an equal space for the packing. The space between the pipe and hub shall be packed with clean, sound jute packing yarn, free from tar, far enough to leave the proper space for lead. The remaining space shall then be filled by running it full of lead to a depth of four (4) inches, leaving a bead outside of the face of the hub large enough to allow for caulking, so that when the joint is properly caulked the lead will be flush with the hub of the pipe. After the joint shall have been run with lead it shall be caulked by means of proper tools so as to make a water-tight joint.

Lead.

336. The lead to be used for caulking shall be of the best quality of pure, soft lead and shall be in every respect suitable for the purpose.

Payment for Pipe Changes.

337. Payment for changing pipes and for new pipe required for such changes will be as provided in Section 72.

Payment for Drain Pipes and Sewer Pipes.

338. Payment for furnishing and laying cast-iron or vitrified drain pipes and sewer pipes will be as provided in the Sub-divisions relating respectively to drains and sewers.

Subdivision 7.10. Tunnel Ducts.

Tunnel Ducts for Operating Cables.

339. The specifications of this Subdivision relate to vitrified ducts to contain electric cables for the operation of the Railroad. Such ducts are referred to in the Schedule and elsewhere herein as tunnel ducts.

Quality, Soundness and Finish.

340. Tunnel ducts shall be manufactured of the best clay, throughly mixed, burned and vitrified, sound in all respects, straight, and free from soft spots, stones, cracks, blisters and other defects liable to injure their strength, durability or non-conductivity. They shall be thoroughly and completely glazed, inside and outside, with good salt glaze. The interior surfaces shall be smooth and free from any projections or imperfections which may tend to injure the electric cable when being pulled through the duct. The ends shall be cut smooth and square with the axis. The ends of the holes shall be beveled on the inside for three-fourths (¾) inch.

Ends Combed.

341. The ends of ducts shall be combed with two (2) sets of three (3) combings each, each combing to have a width of one-quarter (¼) of an inch and a depth of one-sixteenth (1-16) of an inch.

Length.

342. Four-way ducts shall have a standard length of thirty-six (36) inches. Single, two-way and three-way ducts shall have a standard length of eighteen (18) inches. Shorter lengths shall be used only as directed.

Holes Circular.

343. Duct holes shall be circular, of such diameter as to pass a cylindrical mandrel three and one-half (3½) inches in diameter and thirty-six (36) inches long.

Thickness.

344. The outside walls and webs of four-way ducts shall be three-quarters (¾) of an inch thick, and the outside dimensions shall be not less than nine and one-quarter (9¼) nor more than ten (10) inches, and the outside walls shall be constructed square on outer lines. The dimensions of single, two-way or three-way ducts shall be consistent with the above.

Laid to Line.

345. The ducts shall be so laid that the centre of the holes shall be true to line and grade.

Laying.

346. The ducts shall be laid in beds of cement mortar about one-quarter (¼) of an inch in thickness, with broken joints and with full bearing. Two (2) strips of thick unbleached muslin six (6) inches wide, coated with neat cement mortar, shall be used to wrap each joint, the ends of the wrap to lap six (6) inches. The muslin shall be not less than 56 by 60 count, weight not less than four (4) ounces to the yard and width thirty-six (36) inches. In laying the ducts care must be taken to close abutting joints so that the ends of ducts shall be as nearly as practicable in contact on all sides. Where ducts are laid on curves, the wraps must be doubled, if required, to protect the openings between the ends of the ducts on the outer line of the duct and to exclude all mortar from duct openings.

To be Laid With Mandrel.

347. The ducts shall be laid with a linkel mandrel, of length and diameter to be prescribed, accurately fitting the duct openings, and the mandrel shall be left in each duct until the next succeeding duct is laid.

Dowel Pins.

348. Four-way ducts shall be laid with dowel pins, at least two pins on the opposite sides horizontally.

Rodding and Plugging.

349. After the ducts are laid and sufficient time is given to allow the mortar in beds to set, they shall be rodded so as to remove all mortar and other foreign matter from the duct openings, leaving them clear and smooth. If obstructions are found, in rodding the ducts, which cannot be removed by cleaners so as to give a clear and smooth opening sufficient to pass a three and one-quarter (3¼) inch mandrel, the ducts shall be removed and relaid. All ducts, immediately after laying and again after being rodded, shall be plugged with suitable plugs to be furnished by the Contractor. If wooden plugs are used, they shall be impregnated with paraffine or other approved material before being put in place.

Inspection.

350. All ducts shall be subject to inspection both at the place of manufacture and on the work. All rejected ducts shall be promptly removed by the Contractor at his expense.

Measurement and Payment, Tunnel Ducts.

351. Tunnel ducts will be measured for payment on the basis of their actual length in duct feet (lineal feet of equivalent single duct), as laid up in the work, at the price stipulated in Schedule Item 18, which price shall be in full compensation for the complete furnishing, laying and rodding of such ducts and all expense in connection therewith or incidental thereto.

Subdivision 7.11. *Station Conduits.*

Station Conduits for Electric Wiring.

352. The specifications of this Subdivision relate particularly to iron or steel pipe conduits, to contain electric wires, built in or on the walls or roof of the station or other parts of the Railroad. The Contractor will not be required to furnish or place wiring.

Kind and Quality.

353. All station conduits shall be of the best grade (Galvaduct or equal) standard weight wrought-iron or steel piping, protected inside and outside by a coat of zinc or enamel. They shall be delivered on 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 diameters of the conduit without signs of flaw or fracture in either pipe or coating.

How Placed.

354. Conduits will be imbedded mainly in concrete or masonry, but portions of the runs will be left exposed.

Cleaning.

355. All conduits shall be carefully cleaned both before and after erection, all ends shall be reamed free from burrs, and inside surfaces shall be free from all imperfections which might injure the cable.

Support and Protection, Where Built In.

356. Conduits built into concrete or other parts of the structure shall be properly supported and protected so as to prevent their injury by subsequent operations.

Support and Protection, Where Not Built In.

357. 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 shall be kept boxed or otherwise suitably protected from injury.

Joints.

358. All points shall be made with standard couplings, well treated with red lead and screwed up to be water-tight.

Bends and Offsets.

359. Bends and offsets may be made on the work 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 unless permitted by the Engineer.

Conduits to Terminate in Outlet Boxes.

360. Conduits imbedded in concrete or masonry shall be brought outside such concrete or masonry at the ends of the runs and shall terminate in outlet boxes located as required by the Engineer.

Outlet and Pull Boxes.

361. Outlet boxes and pull boxes shall be 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 shall be water-tight.

Measurement and Payment, Station Conduits.

362. Station conduits will be measured for payment at their actual length in place in the work, and payment therefor will be at the price stipulated in Schedule Item 32, which price shall be in full compensation for furnishing and placing such conduits complete and all expense in connection therewith or incidental thereto, including bending, cleaning, attachments, connections and boxing.

Measurement and Payment, Outlet and Pull Boxes.

363. Outlet boxes and pull boxes in place and connected will be estimated for payment at the number of each so placed in accordance with the drawings or orders, and payment therefor will be at the price stipulated in Schedule Item 33 for outlet boxes, or in Schedule Item 33-A for pull boxes, which price shall be in full compensation for furnishing and placing such boxes complete, and all expenses in connection therewith or incidental thereto, including attachments, connections, and protection.

Subdivision 7.12. *Drains and Pumps.*

Railroad to be Drained.

364. Every part of the Railroad shall be so constructed or arranged, if possible, that any water finding access thereto will be drained by gravity, or automatically pumped, into the City sewers.

Floor Drains.

365. Drains of cast-iron pipe or vitrified pipe shall be built where required in or under the floor of the Railroad. Such drains shall be of such diamteter and laid in such locations and at such intervals as may be indicated on the drawings or directed by the Engineer.

Quality and Dimensions of Pipes.

366. Cast-iron drain pipes shall be of the quality specified for water pipes and, where required, joints shall be caulked in the manner specified for water pipes. Extra heavy cast-iron drain pipe shall be of the dimensions specified for water pipe. Vitrified drain pipes shall be of the quality and dimensions specified for sewer pipe and, where required, joints shall be caulked as specified for sewer pipe.

Broken Stone or Gravel for Drainage.

367. Broken stone or gravel shall be placed for purposes of drainage as indicated on the drawings or as required by the Engineer.

Drainage, Where Omitted.

368. Where the floor of the Railroad is on a sufficient grade and is in dry, porous soil, drains will generally not be required.

Drains in Tunnels.

369. In tunnels below or near mean high water level, one or more cast-iron pipe drains will be required to be laid and imbedded in concrete under or alongside the track. They shall be caulked with lead as specified for water pipe, and the water-tightness of the joints shall be tested under hydraulic pressure as required by the Engineer before concrete is placed. Valves, hand holes, gratings, bends and other specials shall be placed where required.

Sewer Connections.

370. At the low points of grade, the drains in or under the floor shall be connected with the city sewers, as indicated on the drawings or required by the Engineer. Where drains connect with sewers, suitable traps and back-pressure valves or gate valves shall be provided.

Sumps and Pumps.

371. Where the low points of grade of the Railroad are below the flow of adjacent sewers, sumps and pumps shall be provided for discharging the drainage into such sewers. The sumps and chambers to contain the pumps shall be constructed adjacent to the Railroad, or as enlargements thereof, according to the drawings issued by the Engineer.

Pumps.

372. The Contractor shall install in each sump two (2) automatic pumps, each with connections complete and arranged to be operated independently, and shall place the same in working order.

The pattern, arrangement and capacity of pumps shall be as required or approved by the Engineer.

Station Drainage.

373. A system of drainage shall be provided for the stations, station approaches and entrance shafts, and shall be kept separate, if required, from the tunnel drainage system. Drains and discharge pipes for sanitary drainage and sewage ejector sumps shall be placed where required, but the Contractor will not be required to provide or place the ejector pumps.

Measurement and Payment, Pipe Drains.

374. Cast-iron or vitrified pipe drains will be measured for payment at their actual length as laid, without deduction for hand holes or open joints if open joints are required, and payment therefor will be at the appropriate price stipulated under Schedule Item 17 or 17-A, which price shall be in full compensation for furnishing and placing such drain complete and all expense in connection therewith or incidental thereto, including jointing or caulking, testing, all hand holes, wyes, tees and other specials, and setting valves; except that additional payment will be made for furnishing valves and for furnishing and placing broken stone or gravel for drainage, as hereinafter provided.

Payment for Valves.

375. Payment for furnishing gate valves and back pressure valves, when required as a part of the drainage system, will be made under Schedule Item 150.

Measurement and Payment, Broken Stone or Gravel for Drainage.

376. Broken stone or gravel placed in accordance with the drawings or directions as a part of the drainage system will be measured for payment at the volume so placed, and will be paid for at the price stipulated in Schedule Item 14, which price shall be in full compensation for furnishing and placing such stone or gravel and all expense in connection therewith or incidental thereto.

Payment for Pumps.

377. For all pumping apparatus, including discharge connections to sewers, installed in complete working order, payment will be made under Schedule Item 150.

Subdivision 7.13. *Vault Lights.*

Where Used.

378. Vault lights may be required to be placed over parts of the station and other parts of the Railroad where the construction is at or near the surface.

Construction and Finish.

379. Vault lights shall consist of lenses, not exceeding three (3) inches in diameter, of strong glass set in concrete slabs reinforced with steel. The joint between the lenses and the concrete shall be made water-tight by the use of an approved elastic composition which shall also serve to protect the glass from breaking. The joints between the slabs and at the limits of the vault-light construction shall be made water-tight by the use of an approved elastic composition. The surface of the slabs shall be finished to a depth of one-half (½) inch with an admixture of powdered carborundum or other approved abrasive material and shall be left slightly rough; or in lieu thereof, in special locations, the Engineer may require such surface to be provided with non-slipping treads, buttons or other devices of approved design.

Test Loading.

380. Vault lights shall be so built and supported as to be capable of supporting a full load of five hundred (500) pounds per square foot without sign of failure or, when such test load is removed, without sign of deformation or permanent set. The Engineer may require the Contractor to apply such test to one (1) frame or panel in every ten (10), as selected by the Engineer, and the failure of such frame or panel to meet such test shall determine the rejection of the entire set. All tests shall be at the expense of the Contractor.

Measurement and Payment, Vault Lights.

381. Measurement of vault lights will be the actual area placed within lines not more than one (1) foot outside the inner face of supporting walls, and payment therefor will be at the price stipulated in Schedule Item 29, which price shall be in full compensation for furnishing and placing the vault lights complete and all expense in connection therewith or incidental thereto.

Subdivision 7.14. *Gratings, Hand-Rails, Etc.*

Gratings.

382. Steel gratings for ventilation shall be placed over ventilating chambers, fan chambers, station approaches and elsewhere as indicated on the drawings or required by the Engineer. Gratings for ventilation will be measured for payment at their actual area in place in the work within the outside lines of frames, and payment therefor will be at the price stipulated in Schedule Item 28, which price shall be in full compensation for furnishing and placing such gratings complete and all expense in connection therewith or incidental thereto, including frames and cleaning and painting.

Hand-Rails.

383. Wood hand-rails, of one or more horizontal rails supported on wall brackets or pipe posts, will be placed in the Railroad over duct benches and at other points where directed by the Engineer. Such hand-rails shall be of seasoned oak or ash, shall be sand papered to a smooth finish and shall receive two (2) coats of boiled linseed oil. They shall be securely fastened to the wall, bench or floor of the Railroad by means of expansion bolts as shown on the contract drawings. Measurement for payment for hand-rails will be of the length of rails in place in the work, and payment therefor will be at the price stipulated in Schedule Item 27-B, which price shall include furnishing and placing the hand-rails complete, with all posts, expansion bolts and other connections, and all expense in connection therewith or incidental thereto, including finishing and oiling.

Doors, Stairways, Etc.

334. Ventilating shafts and fan chambers shall be provided with steel doors and ladders or stairways, with landings, reaching to the street, for use as emergency exits, as shown on the drawings or as required by the Engineer. Duct manholes shall be provided with steel doors as shown on the drawings or as required by the Engineer. Such doors, ladders, stairways and landings, with their connections, in place complete and painted, will be paid for as riveted steelwork under Schedule Item 19, as provided in Section 266.

Subdivision 8. *Sewers.*

Sewer Specifications, Additional to Other Provisions.

385. The specifications of this Subdivision relate specifically to sewer work and are in addition to all the other provisions of the specifications applicable thereto, including those relating to maintenance of traffic, support and restoration of buildings, maintenance and changes of pipes, railroads and other surface, subsurface and overhead structures, excavation, materials and workmanship, backfilling and restoration of surface.

Changes When Required.

386. If it shall be impracticable, in the opinion of the Engineer, owing to the presence of surface or subsurface structures, to construct any sewer, manhole or other sewer appurtenance according to the drawings, the Contractor shall construct such sewer, manhole or other sewer appurtenance in the location given by the Engineer and according to his directions.

Sewer Openings to be Bridged.

387. Sewer openings that are to be maintained for short periods only will not be required to be decked, unless otherwise directed, but the Contractor shall provide and maintain suitable bridges across such openings at intersecting streets and on the lines of crosswalks and opposite abutting property where required to facilitate access to such property.

Maintenance of Sewer Flow.

388. The Contractor shall maintain the flow of all sewers and their connections removed or affected in consequence of his work. Where it is necessary to remove sewers or their connections within the lines of any main excavation for the Railroad or any excavation forming a part thereof, the flow of such sewers and connections shall be maintained, where practicable, in temporary metal pipes of adequate size and

with tight joints. All wooden flumes for the temporary maintenance of sewer flow shall be of ample dimensions and shall be kept tight. Temporary house connections shall be made by means of iron pipes with tight joints; wooden troughs will not be permitted. All offensive matters shall be removed promptly in such manner and with such precautions as the Engineer may direct.

Extent of Excavation.

389. The excavation of trenches shall be completed for a sufficient distance in advance to permit the proper laying of the sewer and the proper maintenance of sewer flow; but not more than one hundred (100) feet of trench shall be open at any one time in advance of the completed sewer, unless with the permission of the Engineer and then only for such distance as he shall permit.

Foundations.

390. Sewer trenches shall be excavated in firm soils to the required depth and outline of the bottom of the sewer or its foundation. Where the soil at such depth does not afford, in the opinion of the Engineer, a sufficiently solid foundation, the trench shall be excavated to such increased depth as he may deem necessary and shall be refilled with such material and in such manner as he may direct to the required level and form. Pile foundations, capped with timber or reinforced concrete, shall be provided under sewers where required by the Engineer.

Testing Grades.

391. No sewer shall be built until the trench is properly prepared to receive the foundation and until the grades therefor shall have been tested and approved by the Engineer or his Inspector.

Exposed Ends Protected.

392. The exposed ends of sewers shall be fully protected at all times. The exposed ends of pipe sewers shall be protected with a close-fitting board stopper.

Excavations to be Dry.

393. Excavations shall be kept sufficiently free from water to permit sewer construction to be carried on as nearly as possible in the dry. No water shall be allowed to flow over the invert or foundation or through the sewer until the mortar or concrete is thoroughly set.

Additional Constructive Requirements.

394. In addition to the requirements, under other subdivisions of these specifications, applicable to brickwork, concrete and other constructive features of sewers, their connections and other appurtenances, the following requirements relate specifically to sewer work.

Brickwork.

395. Bricks shall be neatly and truly laid, every second course to line, and the joints shall be carefully struck on the inside. All brickwork, as it progresses, shall be racked back in courses, and must not be toothed except as specially permitted by the Engineer. A limited number of bats, not smaller than half bricks, may be used in manholes and closures and in the outer ring of sewers where more than two rings of brick are required.

Inverts of Brick Sewers.

396. All inverts or bottom curves shall be formed from profiles or templates 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 where required by the Engineer and 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.

Arches and Centering, Brick Sewers.

397. 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 inch thick. 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 at least one 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 rebuilt.

Spurs in Brick Sewers.

398. Vitrified or cast-iron sewer pipe spurs, equal in every respect to the pipes described elsewhere herein, 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 at such angles as are indicated on the drawings or as the Engineer may direct.

Location of Spurs.

399. Spurs shall be built in wherever house connections exist in the sewers to be reconstructed, but shall not be less than twenty (20) feet apart. In the case of the construction of new sewers where no sewers existed previously, except sewers crossing intersecting streets, spurs shall be built in 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 earthenware cover set in mortar.

Cast-Iron Spurs and Risers for Brick Sewers.

400. 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, and the upper end of each riser 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 the specifications for laying water mains.

Extensions for Spurs.

401. Wherever spurs are required in sewers passing under the Railroad or other 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.

Interchanging Concrete and Brick Constructions.

402. The Contractor may, with the approval of the Engineer, substitute concrete for brickwork, or brickwork for concrete, in the construction of any sewer.

Steel Reinforcement.

403. Concrete sewers shall be reinforced with steel bars if so indicated on the drawings or directed by the Engineer.

Inverts of Concrete Sewers.

404. Proper forms for the concrete inverts shall be set to the required lines and grades and the concrete for the invert of the sewer shall be placed, rammed and worked down to the required shape. The concrete for the invert, if so directed, shall be placed in alternate sections.

Invert to be Protected.

405. The concrete of the invert shall be protected during the progress of the work by planking or by such other suitable means as the Engineer shall direct and for so long a time as he may require.

Forms for Concrete Sewers.

406. Suitable forms, of size and design to be approved by the Engineer, shall be provided by the Contractor to support the concrete of the side walls and roof while the same is being placed.

Broken Joints.

407. Joints between different sections of the wall of a concrete sewer shall in no case be a straight line, but shall always be stepped or toothed so as to give a broken joint in a manner approved by the Engineer.

Spurs for Concrete Sewers.

408. The provisions and requirements for spurs, branches, etc., in brick sewers shall so far as possible govern in concrete sewer construction.

Vitrified Pipe.

409. Vitrified pipe sewers shall be built of vitrified, salt glazed stone-ware 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 other 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.

Dimensions of Vitrified Pipes.

410. Vitrified pipes shall be designated by dimensions of the interior diameter. Each pipe shall be a circular cylinder and of even thickness throughout and shall conform to the following scheduled dimensions:

Diameter.	Thickness of shell.	Depth of socket.	Length of plain straight pipe.	Weight of pipe per ft.	Annular space.
6 inch	5/8 inch	2½ inch	2 feet	16 pounds	5/8 inch
8 inch	¾ inch	2¾ inch	3 feet	25 pounds	5/8 inch
10 inch	⅞ inch	2¾ inch	3 feet	37 pounds	5/8 inch
12 inch	1 inch	3 inch	3 feet	45 pounds	5/8 inch
15 inch	1¼ inch	3 inch	3 feet	75 pounds	5/8 inch
18 inch	1½ inch	3¼ inch	3 feet	118 pounds	5/8 inch
20 inch	1⅔ inch	3½ inch	3 feet	148 pounds	5/8 inch
22 inch	1⅝ inch	3¾ inch	3 feet	157 pounds	5/8 inch
24 inch	2 inch	4 inch	3 feet	190 pounds	5/8 inch

Dimensions of Specials.

411. All "special" vitrified pipe shall conform to the dimensions given for plan, straight pipe.

Spur Pipes.

412. Vitrified pipes having spurs not less than six inches in diameter with hubs molded thereon for house connections shall be furnished and laid at points 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 for Pipe Sewers.

413. The provisions for risers on brick sewers shall also apply to the risers on pipe sewers.

Concrete Cradles.

414. All vitrified 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 shall be 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 shall be immediately deposited and carefully tamped in such manner as to avoid disturbing the sewer. The ends of the pipes shall abut against each other 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 the pipe shall be exposed for inspection for at least twenty-four (24) hours after laying.

Joints of Vitrified Pipe Sewers.

415. Before the spigot end of the pipe is inserted 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 inner bottom surfaces 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, the outside of the joint shall be thoroughly sealed with the same kind of mortar, the joints shall be 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.

Cast-Iron Pipe Sewers.

416. Sewers of cast-iron pipe, of the quality and laid in the manner described elsewhere in these specifications for water pipes, shall be laid wherever indicated on the drawings or wherever the Engineer shall direct.

Special Manholes in Vaults, etc.

417. Wherever cast-iron pipes are laid through vaults or under the Railroad, they shall, when required by the Engineer, be provided with special castings for manholes, fitted with covers bolted on so as to make an air-tight joint, according to the drawings.

Ventilating Pipe.

418. Whenever, in the opinion of the Engineer, it becomes necessary to provide ventilation for sewers passing under or through the Railroad or other structures, cast-iron pipe shall be laid from the sewer to the surface of the street and fitted with gratings according to the drawings.

Connections With New Work.

419. 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 and culverts rendered unnecessary or becoming disused by the work hereunder shall be filled in solidly with 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 drawings and at such other points as the Engineer may direct. These connections shall be closed with bulkheads of brickwork not less than eight (8) inches in thickness.

Fresh Work to be Protected.

420. All fresh work shall be carefully protected from injury in every way. No wheeling or walking upon it will be allowed and any portion injured must be relaid by the Contractor; no walking or working over the pipes after they are laid, except as may be necessary in tamping the earth and refilling, will be allowed until there is at least two and one-half (2½) feet of earth over them.

Cleaning Pipe Sewers.

421. The interior of pipe sewers shall be carefully freed from all dirt, cement and other material as the work progresses and shall be left clean and smooth; for which purpose a disc, mould or plate, attached to a rod sufficiently long to pass two joints from the end of the pipe last laid, shall be continuously worked through.

Manholes.

422. 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 templates not less than eight lines shall be drawn. Where manholes are not built to the established grade of the street, they shall be covered, when required, 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 for Manholes.

423. The foundations for manholes shall be of concrete or masonry as indicated on the drawings, and shall extend 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.

Pipes Built Into Manholes.

424. Sewer pipes shall be built into manholes and trimmed, when required, so as to be flush with the inner face of the manhole, and an arch shall be turned over the pipe.

Inverts of Manholes.

425. The invert of manholes shall be built of vitrified brick, granite blocks or concrete, as indicated on the drawings.

Steps in Manholes.

426. Standard steps of galvanized wrought iron and of the size, length and shape

required, shall be built into the interior sides of all manholes at a distance of not more than fifteen (15) inches apart 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 manhole 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, if directed by the Engineer.

Bluestone for Manholes.

427. Hammer-dressed bluestone to form a portion of manhole construction shall be furnished and laid of the form and thickness required as indicated on the drawings or as directed by the Engineer.

Manhole Heads and Covers.

428. 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 manhole. Manhole heads and covers which do not conform to these specifications shall be removed at once from the work.

Perforated Covers.

429. Covers to be used on manholes in roadways shall be perforated. Those used on sidewalk manholes shall be tight-fitting, without perforations.

Weights of Heads and Covers.

430. Each manhole head and cover shall have its weight distinctly marked upon it with oil paint. The following will 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.

431. Manholes for which new heads and covers are required in roadways paved with asphalt or wood block shall be fitted with noiseless heads and covers of a pattern approved by the Engineer.

Sealed Heads and Covers.

432. All manholes in vaults, parts of the Railroad or other structures shall be provided with sealed manhole heads and covers according to the design indicated on the drawings.

Emergency Manholes.

433. Where a sewer crosses under the Railroad, emergency manholes shall be built as directed by the Engineer and according to the drawings.

Manholes Completed as Work Progresses.

434. 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.

435. Receiving basins shall be built as directed by the Engineer and according to the drawings. Basins shall be thoroughly plastered, both inside and outside, with cement mortar.

Foundations for Basins.

436 The foundations for receiving basins shall be of concrete or masonry as 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.

Bluestone for Basins.

437. The flooring of receiving basins shall be of hammer-dressed North River bluestone flagging, not less than three inches thick, in not more than two pieces, well set in a full bed of mortar and rammed into place. The floor may be finished with cement mortar mixed in the proportion of one (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.

Head and Gutter Stones.

438. Where head stone and gutter stone are required for receiving basins 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.

Basin Covers.

439. 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 Bars.

440. A grate bar made according to the drawings shall be fastened solidly into the head stone in an approved manner.

Basin Traps.

441. Cast-iron traps of the form and dimensions indicated on the drawings, free from imperfections, and coated with coal-tar pitch, shall be furnished and built into receiving basins as directed by the Engineer.

Joints of Traps.

442. The joints of traps shall be tightly fitted with oakum gaskets or with cement mortar if so directed.

Steps in Basins.

443. Galvanized iron steps of the same design required for manholes shall be built into the walls of receiving basins.

Basin Culverts.

444. The culvert pipe for connections of receiving basins with sewers shall be 12-inch vitrified pipe unless otherwise indicated on the drawings, and of the kind and quality specified for vitrified pipe, 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.

445. 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.

446. Whenever, in the opinion of the Engineer, it is necessary to waterproof a sewer, chamber or receiving basin or their appurtenances, such waterproofing shall be done as indicated on the drawings or as directed by the Engineer in accordance with the specifications for waterproofing.

Restoration of Surface.

447. On the completion of each section of one hundred (100) feet of sewer, the sidewalks and roadway shall be restored.

Sewer Work to be Kept Clean.

448. 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.

Measurement and Payment, Sewers, General.

449. Measurements for payment for sewers, except as hereinafter specifically provided, will be of the actual lengths of completed new sewer or basin culvert, without deduction for space occupied by manholes, and without allowance by way of measurement for any connections or appurtenances to sewers; and payment therefor will be at the appropriate price, according to kind and size as designated by its interior dimensions, stipulated in Schedule Item 37, 38, 39, 40, 40-A, 41, 45 or 49, which price shall be in full compensation (except as provided in Section 451) for providing the sewer or culvert complete with all manholes, receiving basins, connections and other appurtenances, and all expense in connection therewith or incidental thereto, including making and remaking all house and other connections, maintenance of flow of sewers and their connections, filling abandoned sewer structures, the support, maintenance and restoration, including reconstruction where required, of all surface, subsurface and overhead structures and surfaces encountered in or affected by the work where payment therefor is not elsewhere specifically provided for.

Measurement and Payment, Brick or Concrete Sewers Not Scheduled.

450. Measurements for payment for brick or concrete sewers of other sizes than those enumerated in the Schedule will be of the actual net volumes of brick masonry and concrete in the barrel of such sewers and in manholes and receiving basins appurtenant thereto as built to the lines shown on the drawings or as ordered by the Engineer; and payment therefor will be at the price stipulated in Schedule Item 72-C for brick masonry, and in Schedule Item 72-D for concrete, which prices shall be in full compensation (except as provided in Section 451) for providing the sewer complete with all manholes, receiving basins, connections and other appurtenances, and all expense in connection therewith or incidental thereto, including all the matters and things mentioned in the preceding Section 449.

Additional Payment, Other Items.

451. In addition to the payment for sewer work provided in the two preceding Sections, payment will be made as stipulated in Schedule Item

2-A, for earth excavation for sewers, basin culverts, manholes and receiving basins, but not including their connections or any other sewer appurtenances, measurement and payment to be as provided in Sections 98, 99 and 103;

15 or 16, for waterproofing, if required, applied to any part of sewers or their appurtenances;

20 or 21, for steel beams or rods required to be placed as a part of sewers or their appurtenances;

150, for automatic flush tanks, furnished and placed as required; and

30 or 31, for street surface or park surface restored within the ordered net lines of excavation for sewers, basin culverts, manholes and receiving basins, but not including their connections or any other sewer appurtenances, measurement and payment to be as provided in Sections 466 to 469, inclusive.

Payment for Cast-Iron Pipe Sewers.

452. Payment for cast-iron pipe sewers will be at the appropriate classified unit prices stipulated in the Schedule for the various classes of work and material involved in their construction, including the unit prices stipulated in the following Section 493 for cast-iron pipe and for miscellaneous cast-iron and wrought-iron furnishings for such sewers and their connections, which prices shall be deemed to include compensation for the maintenance, support, construction and reconstruction of all connections and other appurtenances of such sewers for which payment is not herein specifically provided at or in such classified unit prices.

Payment for Cast-Iron Sewer Pipe and Furnishings.

453. Payment for furnishing and laying cast-iron pipe for cast-iron pipe sewers will be at the price stipulated in Schedule Item 42 for straight sewer pipe or in Schedule Item 43 for special sewer castings or in Schedule Item 17-A for connections, which price shall be in full compensation for such furnishing and laying and all expense in connection therewith or incidental thereto, including the caulking of joints.

Payment for furnishing and placing miscellaneous cast-iron or wrought-iron furnishings (including heads, covers, steps, inlet gratings and bars, but not including pipe) for sewer manholes and basins required for cast-iron pipe sewers will be at the price stipulated in Schedule Item 25-C, which price shall be in full compensation for such furnishing and placing and all expense in connection therewith or incidental thereto, including gaskets for manholes.

Permits for Connections.

454. The Commissioner of Public Works shall have the right to connect any sewer or sewers with, or to grant permits to any person or persons to make connections with, any sewer being constructed under this contract at any time before such sewer is completed, and the Contractor shall not interfere with or place obstructions in the way of such person or persons as may be employed in making any such connection. This Section 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 completion.

Subdivision 9. Backfilling.

When Placed.

455. As soon as the progress of construction work and the changing and restoration of subsurface structures permits, wherever excavations are made from the surface, the backfilling shall be placed in such excavations and prepared for the restoration of the surface.

Placing and Compacting.

456. Material used in backfilling shall be sand or sand and 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 exceeding one (1) part of stone to five (5) parts of earth. The filling shall be compacted by flooding with water or, in cases where the Engineer considers that flooding with water is not practicable, by ramming in layers not exceeding six (6) inches in depth, as the Engineer may require.

Filling Around Pipes, Etc.

457. Wherever pipes, sewers or other subsurface structures are met, 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 be permitted, nor will any filling be permitted over frozen material.

Sheeting Removed.

458. As fact as the work of filling permits, sheeting and other timber supporting the sides of the excavation shall, unless otherwise directed, be carefully withdrawn, and the spaces left by the removal of such material shall be carefully backfilled.

Payment for Backfilling.

459. Payment for backfilling is included in the prices stipulated in the Schedule for excavation.

Subdivision 10. Restoration of Surface.

Temporary Pavement.

460. As soon as the backfilling of any excavation made from the surface within a street shall be completed, a temporary pavement shall be laid and maintained in a manner satisfactory to the Engineer.

Restoration to Original Condition.

461. As soon as the earth shall have become, in the opinion of the Engineer, sufficiently settled, the Contractor shall restore the pavement or other surface to a condition similar to, and equally as good as, that which existed previous to the commencement of construction.

All Surfaces Disturbed to Be Restored.

462. All other pavements and surfaces, 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, as soon as practicable after such damage is done, to a condition similar to, and equally as good as, that which existed before such damage occurred.

New Granite Curb.

463. New granite curb, dressed to required dimensions, shall be furnished and set, when required by the Engineer, adjacent to ventilating openings, vault lights or station entrances or wherever else required. Such new curb, or the old curb if used, shall be set, when required by the Engineer, to a new line to be established by the President of the Borough.

New Cement Sidewalk.

464. New cement sidewalk, other than that required to restore the original surface, shall be laid, when required by the Engineer, adjacent to ventilating openings, vault lights or station entrances or wherever else required.

Trees, Grass Plots, Etc.

465. All trees, shrubs, plants and grass plots in or adjacent to any street, park or other public place occupied or used by the Contractor shall be protected as far as possible 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, not less than three and one-half (3½) inches in diameter measured two (2) feet above the ground, and in such position as the Commissioner of Parks shall indicate. All grass plots, shrubbery, plants and other growths, all paths, monuments and other park features shall be restored as soon as possible to a condition similar to, and equally as good as, that which existed before the commencement of the work. In replanting trees, shrubs, plants and grass plots, the Contractor must be governed by the reasonable requirements of the Commissioner of Parks or other authorities in charge of such growths, and the nature and depth of the soil to be placed in replanting shall be as approved by such authorities and by the Commission.

Measurement, General.

466. Measurement and payment for street and park surface restored will be made only where measurement and payment are provided for exacavations required to be carried down from the surface, as specified in Sections 98 to 103, inclusive. The payment lines for street surface restored will be the same as those for excavation where such payment lines for excavation meet the surface. The area for

payment will be the total plan area, within such payment lines, which the Contractor is required to restore and which he is not required to maintain in place. No allowance will be made for the restoration of any surface more than once within the same space.

Measurement and Payment, Street Surface Within Curb Lines.

467. Measurement for payment for street surface restored within curb lines will be of the areas, within payment lines, of all sidewalks and other surfaces which the Contractor is required to restore within the line of the upper outside corner of the curb as restored, no allowance by way of measurement being made for gratings and vault lights maintained in place; and payment therefor will be at the price stipulated in Schedule Item 30 (a), which price shall be in full compensation for completely restoring all surfaces and growths, within such curb lines, whether within or without the payment lines, and all expense in connection therewith or incidental thereto.

Measurement and Payment, Street Surface Between Curbs.

468. Measurement for payment for street surface restored between curb lines will be of the areas, within payment lines, of all roadway pavements and other surfaces which the Contractor is required to restore between the lines of the upper outside corners of the curbs as restored, no allowance by way of measurement being made for space occupied by surface railroad track rails and slots or pavement maintained in place and not restored between such rails; and payment therefor will be at the price, according to the kind of pavement restored, stipulated in Schedule Item 30 (e), 30 (f) or 30 (j), which price shall be in full compensation for completely restoring all surfaces, between such curb lines, whether within or without the payment lines, and all expense in connection therewith or incidental thereto.

Measurement and Payment, Park Surface.

469. Measurement for payment for park surface restored will be of the areas, within payment lines, of all park or parkway surfaces, including sidewalks and other surfaces within curb lines adjacent to parks or parkways; and payment therefor will be at the price stipulated in Schedule Item 31, which price shall be in full compensation for completely restoring all park or parkway surfaces, growths and park features, whether within or without the payment lines, and all expense in connection therewith or incidental thereto.

Measurement and Payment, New Granite Curb.

470. Payment for new granite curb, other than that required for restoration, measured at the ordered length as placed, will be at the price stipulated in Schedule Item 30-A, which price shall be in full compensation for furnishing, dressing and setting such new granite curb complete and all expense in connection therewith or incidental thereto, including disposing of the old curb.

Measurement and Payment, New Cement Sidewalk.

471. Payment for new cement sidewalk, other than that required for restoration, measured at the actual area laid as ordered, will be at the price stipulated in Schedule Item 30-B, which price shall be in full compensation for furnishing and laying such new cement sidewalk complete with foundation and all expense in connection therewith or incidental thereto.

Other Form of Pavement May Be Laid.

472. 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 such other officer of the City as may be in charge of street paving, to lay a better or other form of street pavement in the roadway between curb lines or from making any arrangement with any property owner to lay another style of sidewalk or other surface covering within curb lines in place of the sidewalk or other surface covering taken up. If the Contractor shall make any such arrangement, he 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 street paving or any property owner desires to lay a pavement in the roadway between curb lines, or a sidewalk or other surface covering within curb lines, affected by this contract, different from the one removed, and shall notify the Commission in writing that he has failed to make satisfactory arrangements for such work with the Contractor, then the Commission, in its discretion, may direct the Contractor to finish and dress off the filling over his work to such grade and within such area as the Commission may determine and may further direct him to remove from such area 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 the restoration of such area is concerned, whenever the Engineer shall report to the Commission that the directions of the Commission have been complied with, exactly the same as if the Contractor had fully completed the restoration within such area as hereinbefore provided. Such area will not be included in the measurements for payment for surface restoration. Payment for finishing and dressing off the filling, and removing all materials not required to be relaid, within such area is included in the prices stipulated in the Schedule for excavation.

Chapter IV.

Security to be Furnished by Contractor.

Contractor's Bond.

Article XXXIX. 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 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 three hundred and fifty thousand ($350,000) dollars. The execution of the bond must be duly acknowledged before the delivery of the bond 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 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 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 be held and bound upon the bond; and the moneys so deducted shall be held by the Comptroller as collateral security for the performance of the condition of the bond; and such moneys shall in such case be deemed to have been paid to the Contractor upon this contract.

Deposit of Cash or Securities in Lieu of Bond.

Article XL. 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 the 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 therefor securities which shall be approved by the Commission as of the character aforesaid and as being of at least the value of the former securities to which the Commission shall have objected as such value was originally stated in the said schedule or shall deposit with the Comptroller in cash the amount of such value of such former securities as so originally stated. In case the Contractor shall not within such ten (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 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 Comptroller shall hold the moneys so deducted in lieu of such securities 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. The securities so objected to shall upon such substitution of securities or deposit of cash in lieu thereof be returned to the Contractor.

Income on Deposit.

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 that 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.

Deposit of Security for Faithful Performance.

Article XLI. 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 mentioned in Article LXVI or in Article LXXII, out of the said deposit in cash or securities or out of the portion of the deposit remaining at the time.

Sale of Securities on Default by Contractor.

Article XLII. 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 shall be so adjourned. The Comptroller, upon the requirement of the Commission, shall deduct from the proceeds of any such sale all expenses thereof and of such advertisement and shall 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 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 the Commission may grant, 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 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 Comptroller shall hold the moneys so deducted 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.

Deposit May Be Retained Pending Satisfaction of Claims.

Article XLIII. 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 Contract, 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 XLII.

Return of Deposit.

Article XLIV. 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 XLV. In addition there shall be deducted ten (10) per centum of the amounts certified from time to time to be due to the Contractor, which 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 withdrawn in which event the provisions of this chapter in respect of securities shall apply to such corporate stock.

Chapter V.

Payments to Contractor.

Partial Payments.

Article XLVI. 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 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), 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. 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 and cast iron, including tunnel lining, delivered on the site of the work or on property owned or leased by the City, but not incorporated in the work, at the rate of forty ($40) dollars per ton of steel so delivered and at the rate of twenty-five ($25) dollars per ton of cast iron so delivered. But the quantity of such structural steel and cast iron 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 (6) months, and the amount and value of any material included in a partial estimate which may subsequently become unsatisfactory

shall be deducted from succeeding partial estimates. All such steel and cast iron so accepted shall be and become the property of the City. No materials not incorporated in the work, excepting such structural steel and cast iron, shall be included in any estimate.

Estimates Need Not Be by Strict Measurement.

Article XLVII. 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 for Partial Payments.

Article XLVIII. Upon each such estimate being made and certified in writing to the Commission, the Commission shall prepare and certify a voucher for ninety per centum (90%) of the amount stated in such estimate or certified to be the value of the work done and materials furnished as provided in Article XLV, and the City shall within thirty (30) days after the date of the certification of such voucher by the Commission pay the same; provided, however, that the City may at all times reserve and retain from said partial payments or any of them, in addition to the ten (10) per centum mentioned in Article XLV, any sum or all sums which by the terms hereof or of any law of the State of New York it is or may be authorized to reserve or retain.

Final Payment.

Article XLIX. 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 to the Commission and in his certificate shall state, from actual measurements, the whole amount of work done by the Contractor and also the value of such work under and according to the terms of this contract. On or before the expiration of ninety (90) days after the acceptance by the Commission of the work herein agreed to be done by the Contractor and the filing of a certificate of the completion and acceptance of the work in the office of the Comptroller signed by the Engineer and the Commission, the City shall pay to the Contractor the amount remaining after deducting from the amount or value of the 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 L hereof) and also any sum or all such sums of money as by the terms hereof the City is or may be authorized to reserve or retain; provided, 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 measurement upon which it is based.

Interest on Delayed Payments.

Article L. If the payment of the amount due the Contractor on any voucher shall be delayed beyond the time stipulated in Article XLVIII in the case of partial payment or Article XLIX in the case of final payment, the City shall pay to the Contractor interest on such amount at the rate of four and one-half (4½) per centum 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 the City is or 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 from the thirtieth day after the certification of such voucher by the Commission, and in the case of a final payment from the ninetieth day after the acceptance of the work by the Commission and the filing of such certificate of the completion and acceptance of the work in the office of the Comptroller, to the date of payment of the voucher. The date of payment of a voucher shall be considered the day on which the voucher is ready for payment as evidenced by the records of the Department of Finance. If interest shall become due on any partial payment, the amount thereof, as determined by the Commission, shall be added to a succeeding payment. If interest shall become due on a final payment, it shall be paid on a supplementary voucher prepared by the Commission and forwarded to the Comptroller for payment in the usual manner.

Return or Certificate by Commission no Estoppel.

Article LI. 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.

Acceptance of Commission no Waiver.

Article LII. 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 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 City's Liability.

Article LIII. The acceptance by the Contractor of the final payment by the City 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 or of any person relating to or affecting the work, except only the claim against the City for the remainder, if any there be, of the amounts kept or retained as provided in this contract.

Contractor's Claims for Damage.

Article LIV. 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 LV. 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 any such notice as is described in the Lien Law, the City may retain from any moneys which would otherwise be payable to the Contractor hereunder 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 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. 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 out of any moneys which may thereafter become due to the Contractor hereunder.

CHAPTER VI.

CONTRACTOR'S LIABILITY FOR INJURIES TO PERSONS OR PROPERTY.

Contractor Approves Drawings as Involving No Damage.

Article LVI. 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 shall 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, buildings or structures 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 LVII. 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 of City.

Article LVIII. 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 or on account of any neglect, fault or default of the Contractor and from all costs and expenses in suits which may be brought against the City on account of any such injuries to person or property or on account of any such neglect, fault or default; 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 to Contractor May Be Retained to Meet Claims.

Article LIX. 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 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 for the work is prepared and certified, the Commission shall have the right to retain out of the final payment and to deduct from the amount of the final voucher 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 shall 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 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 Property.

Article LX. 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 and shall be 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 LXI. All risk of loss or damage to the Works or to any part thereof or to any of the materials, plant, tools, supplies or other things used in doing the work prior to final completion is assumed and shall be borne by the Contractor, and any such loss or damage shall be made good by the Contractor at his own cost, and the construction shall be carried forward by him in accordance with this contract without additional cost to the City by reason of such loss or damage.

CHAPTER VII.

CITY TO SECURE CONTRACTOR AGAINST INTERFERENCE BY INJUNCTIONS, TO ACQUIRE REAL ESTATE, ETC.

City's Assurance to Contractor of Right to Construct.

Article LXII. 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 LXIII. 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 under this contract, or by the use of any process or method connected with the work, or by the use of any materials used upon the work; and he shall save harmless and indemnify the City from and against all costs, expenses and damages which the City shall incur or be obliged to pay by reason of any such infringement.

City to Acquire Real Estate.

Article LXIV. The City has acquired or will acquire all such real estate and rights of way or other rights, terms, franchises, easements and privileges therein which, in the opinion of the Commission, it shall be necessary to acquire or extinguish for the purpose of constructing the Works free of interference or right of interference; provided, however, that this covenant shall not apply to or include any damages for physical injuries to property referred to in Chapter VI hereof, whether or not compensation for such damages be awarded in a condemnation proceeding. If compensation for any such damages shall be included in an award in condemnation proceedings, the Contractor shall, upon demand, promptly reimburse the City for any payments made by it for such purposes.

CHAPTER VIII.

TIME FOR COMPLETION, DAMAGES FOR DELAY, ETC.

Commencement and Completion of Work.

Article LXV. 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 entire work covered by this contract shall be completed in all respects within thirty-six (36) months from the date of delivery of this contract.

Damages for Delay.

Article LXVI. 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 entire work to be done under this contract the sum of five hundred dollars ($500), 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 such amounts from any moneys due or which may 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 the suspension of the whole or any part of the work by the Commission as provided in Article LXIX, and in case the Contractor cannot, notwithstanding such strike, injunction, interference, failure or suspension, with reasonable diligence make up for the delay so occasioned by speedier work when the Contractor shall not be so delayed, then the said date for completion shall, except as hereinafter provided, be extended by resolution of the Commission to a date later than the expiration of the said period of thirty-six (36) months by the amount of time such delay as determined by the Commission.

Commission May Intervene in Case of Injunction.

Article LXVII. 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.

Time for Completion to be Extended in Case of Delay in Acquiring Real Estate.

Article LXVIII. In case the Contractor shall at any time give notice to the Commission that any real estate is necessary under this contract for any of the purposes specified above, which notice shall give a brief description of such real estate, the Commission shall (if it finds that such necessity exists) begin and conduct with diligence, proceedings to acquire the real estate described; and in case the Commission shall fail to put the contractor in possession of such real estate within three (3) months from the date of delivery of such notice the Commission shall allow the Contractor so much additional time wherein to perform and complete this contract on his part as the Engineer shall certify in writing to be just, but no allowance by way of damages shall be made for such delay.

Suspension of Work.

Article LXIX. 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.

Extension Not Cumulative.

Article LXX. 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.

Permit to Complete Work No Waiver.

Article LXXI. 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 of any of its rights under this contract.

CHAPTER IX.

REMEDIES IN CASE OF CONTRACTOR'S DEFAULT.

In Case of Abandonment, Etc.

Article LXXII. 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 the Contractor shall not comply with such orders as may from time to time be given by the Commission or the Engineer with respect to the work, or if the Contractor shall violate any of the provisions or covenants of this contract or of the specifications or shall not execute the same in good faith and in accordance with the terms hereof, or if at any time the Engineer shall certify in writing to the Commission that in his opinion suitable and sufficient materials, plant, power, tools, supplies or other means of construction are not provided, or that a sufficient number of workmen are not employed, in the execution of the work under this contract or that in his opinion the work or any part thereof is not being carried on with such skill, diligence and despatch as will insure the completion of the work within the time specified in this contract, or if the work be not fully completed within the time prescribed in this contract for its completion or within the time to which the completion of this 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 the Commission may upon not less than ten (10) days' notice to the Contractor or upon such shorter notice as in the opinion of the Commission may be justified.

Commission May Declare Contractor in Default and Complete Works.

(1) Declare the Contractor to be in default; and the Commission may thereupon 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, either for the Contractor, for his account and at his risk, or otherwise as the Commission may determine, 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 and use any or all of the materials, plant, tools, appliances, equipment, supplies and property of every kind provided by the Contractor for the purpose of his work and to procure other materials, plant, tools, appliances, equipment, supplies and property for the completion of the Works or such part thereof, and to charge the expense of said labor, materials, plant, tools, appliances, equipment, supplies and property to the Contractor. The expense so charged with interest may be deducted by the City from 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 such moneys so deducted shall be deemed to have been paid to the Contractor upon this contract. And the Contractor shall, upon the completion of the Works or such part thereof or from time to time during the course of completion of the Works or such part thereof, as the Commission may require, forthwith pay to the City, with interest, the excess, if any, of the cost to the City of the completion of the Works or such part thereof over the amount payable to the Contractor for the same work and materials under the terms of this contract. And the completion of the Works or such part thereof by the Commission shall not release or discharge the Contractor from liability with respect to the remainder of the construction or any other obligation or liability hereunder; and when any particular part of the work is being carried on by the Commission, by contract or otherwise, under the provisions of this paragraph (1), the Contractor, unless he shall have been directed to discontinue all work, 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 paragraph (1). Or

May Declare This Contract at an End.

(2) Declare this contract at an end except as to the liability of the Contractor hereinafter in this paragraph provided for; and the Commission shall thereupon have the right to contract for the completion of the Works in the manner prescribed by law or to place such and so many persons as it may deem advisable, by contract or otherwise, to work and complete the work herein described, to take possession of and use all the materials, plant, tools, appliances, equipment, supplies and property of every kind provided by the Contractor for the performance of his work and to procure other materials, plant, tools, appliances, equipment, supplies and property for the completion of the same. And in case the expense to the City of completing the Works (including the expense of procuring such other materials, plant, tools, appliances, equipment, supplies and property) shall exceed the amount which would have been payable to the Contractor for the same work and materials under this contract if this contract had been completed by the Contractor, he shall, upon the completion of the works or from time to time during the course of the completion of the Works as the Commission may require, pay the amount of such excess, with interest, to the City; and in case such expense shall be less than the amount which would have been payable to the Contractor for the same work and materials under this contract if this contract had been completed by the Contractor, he shall forfeit all claim to the difference. And the Contractor shall also pay to the City the amount of any claim for which the City shall be liable for injury to person or property occurring on account of any work done by the Contractor under this contract, whether by reason of the negligence, fault or default of the Contractor or otherwise, or for infringement of patents or for any neglect, fault or default of the Contractor, and shall also pay to the City the amount of any other expense which the City may incur or be liable for, and the amount of any payment which the City may be required to make, and the amount of any loss or damage which the City may incur or suffer, by reason of any neglect, fault or default of the Contractor. And the Contractor shall also pay to the City as liquidated damages for any delay, resulting from his neglect, fault or default, 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 five hundred dollars ($500) 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 in the construction and completion of said railroad. The Contractor shall also, notwithstanding the termination of this contract, be liable to the owners, tenants and occupants of adjacent, abutting or overhead property, buildings or structures and to other persons for injury to person or property occasioned by the work performed by the Contractor as in this contract elsewhere more fully provided. And

May Proceed on Bond.

(3) The City may also proceed as to the Commission shall seem proper upon the bond or other security in its possession. And

May Bring Suit.

(4) 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.

Certificate of Engineer as to Cost.

Article LXXIII. In case the Commission shall by contract or otherwise complete the Works or any part thereof under the provisions of Article LXXII, the Engineer, upon the completion of the Works or such part thereof or at any time thereafter upon demand in writing by either 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 Exercise All or Any Remedies.

Article LXXIV. The City may avail itself of each and every remedy specifically given in this contract 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.

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 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.

State of New York, County of New York, ss.:

On this day of , 1914, 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.

State of New York, County of New York, ss.:

On this day of , 1914, before me personally appeared , to me known and known to me to be the individual described in and who executed the foregoing contract, and he duly acknowledged to me that he executed the same.

State of New York, County of New York, ss.:

On this day of , 1914, 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 contract; that he knows the corporate seal of said corporation; 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 corporation, 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.)

*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.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, August 25, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On August 25, 1914, the Public Service Commission for the First District transmitted for consent of this Board a proposed contract to be entered into between The City of New York and the Flinn-O'Rourke Company, Incorporated, for the construction of Section No. 3, Route No. 33, a part of the Broadway-Fourth Avenue and of the Seventh Avenue-Lexington Avenue Rapid Transit Railroad in Brooklyn, at an estimated cost of $3,395,152.

The Commission has requested this Board to prescribe the limit of $3,395,152 to the amount of bonds to be made available to meet the requirements of the proposed contract and to direct the Comptroller to issue bonds to said amount, the same to be charged until the respective sums can be more definitely determined later, in the proportion of 35 per cent., or $1,188,303.20, against Contract No. 3, and 65 per cent, or $2,206,848.80 against Contract No. 4, for which appropriations were made by this Board on March 18, 1913.

This section of work is in two parts, all underground. One part, to be operated by the Interborough Rapid Transit Company in connection with its Clark Street tunnel under the East River, extends under Fulton street, from near Clark street to a connection with the present subway near Willoughby street, with a station at Fulton street opposite Borough Hall, connecting with the present Borough Hall station, and the other part, to be operated by the New York Municipal Railroad Corporation in connection with its Montague street tunnel under the East River, begin under Montague street near Clinton street and extends thence under Montague, Fulton and Willoughby streets to a connection with the Fourth Avenue subway under Flatbush Avenue Extension, with a station in Montague Street between Clinton and Court Streets.

The contract has been awarded the low bidder among eight competitors.

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 August 25, 1914, 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 Public Service Commission for the First District and the Flinn-O'Rourke Company, Inc., for the following purposes:

For the construction in the Borough of Brooklyn of Section No. 3, Route No. 33, being that portion of the Broadway-Fourth Avenue and Seventh Avenue-Lexington Avenue Rapid Transit Railroads, described as follows:

Beginning at a point under Montague street in the Borough of Brooklyn about seventy-five (75) feet west of the westerly line of Clinton street, and extending thence eastwardly under Montague street and continuing southeastwardly under Fulton street and eastwardly under private property, Willoughby street and again under private property to a connection with the Fourth Avenue Rapid Transit Railroad in Flatbush Avenue Extension at Prince Street; with a station in Montague street between Clinton street and Court street.

Also beginning at a point under Fulton street in the Borough of Brooklyn about one hundred and forty-eight (148) feet south of the southerly line of Clark street, and extending thence southeastwardly under Fulton street to a connection with the Brooklyn-Manhattan Rapid Transit Railroad subway under Fulton street at Willoughby street; with a station at Borough Hall.

—at an estimated cost of three million three hundred and ninety-five thousand one hundred and fifty-two dollars ($3,395,152), 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 million three hundred and ninety-five thousand one hundred and fifty-two dollars ($3,395,152), 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 million three hundred and ninety-five thousand one hundred and fifty-two dollars ($3,395,152), 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 Flinn-O'Rourke Company, Inc., as mentioned in a communication of the Public Service Commission for the First District to this Board dated August 25, 1914, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, as follows:

Thirty-five (35) per cent. of said contract cost, or one million one hundred and eighty-eight thousand three hundred and three dollars and twenty cents ($1,188,303.20) against the twenty-eight million two hundred thousand dollars ($28,200,000) appropriated for Contract No. 3, and sixty-five (65) per cent. or two million two hundred and six thousand eight hundred and forty-eight dollars and eighty cents ($2,206,848.80) against the sixty million dollars ($60,000,000) appropriated for Contract No. 4.

Which was adopted by the following vote:

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

Public Service Commission for the First District—Consent to Award of Contract to the Pennsylvania Steel Company for the Supply of Special Work for the Fourth Avenue Subway, Brooklyn, Designated as Portions 5, 6, 12, 13, 14, 15 and 16, Rapid Transit Railroad, and the Issue of Corporate Stock Therefor (Cal. No. 87).

(On August 27, 1914 (Cal. No. 90), the request of the Public Service Commission for the First District in this matter was referred to the Comptroller and to the Bureau of Contract Supervision.)

(On October 2, 1914 (Cal. No. 17), the report of the Comptroller thereon was presented to the Board and laid over for one week under Rule 19.)

The Secretary presented the following requisition of the Public Service Commission for the First District, for the consent of the Board to the award of the contract to the Pennsylvania Steel Company for the supply of special work for the Fourth Avenue Subway, Brooklyn, designated as Portions 5, 6, 12, 13, 14, 15 and 16, Rapid Transit Railroad, and the issue of Corporate Stock therefor; and the following report of the Comptroller recommending approval thereof:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau St., New York, August 25, 1914.

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 The Pennsylvania Steel Company for the supply of Special Work, Portions 5, 6, 12, 13, 14, 15 and 16 of the Broadway-Fourth Avenue Rapid Transit Railroad, the aggregate of the unit prices in the proposal amounting to Thirty-seven Thousand Four Hundred and Twenty-six and 50/100 Dollars ($37,426.50).

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 Thirty-seven Thousand Four Hundred and Twenty-six and 50/100 Dollars ($37,426.50), and also to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for the supply of Special Work of said Portions 5, 6, 12, 13, 14, 15 and 16 at the public expense, to wit, the sum of Thirty-seven Thousand Four Hundred and Twenty-six and 50/100 Dollars ($37,426.50).

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 Thirty-seven Thousand Four Hundred and Twenty-six and 50/100 Dollars ($37,426.50).

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 Sxty 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 25th day of August, 1914.

(Seal.)

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by ROBERT C. WOOD, Acting Chairman.

Attest: JAMES B. WALKER, Acting Secretary.

INVITATION TO BIDDERS.

FOR SUPPLY OF SPECIAL WORK.

Portions Nos. 5, 6, 12, 13, 14, 15 *and* 16.

The Public Service Commission for the First District (hereinafter called the Commission), acting for and in behalf of The City of New York (hereinafter called the City), invites proposals for furnishing and delivering Special Work, Portions Nos. 5, 6, 12, 13, 14, 15 and 16, said portions being a part of the Broadway-Fourth Avenue Rapid Transit Railroad in the Borough of Brooklyn, free on board conveyance at the 39th Street and 3rd Avenue Station of the South Brooklyn Railway.

At the time of the delivery of the contract the contractor must furnish security to the City by depositing a bond or cash in a sum equal to ten per centum (10%) of the total amount to be paid under the contract. Payment will be made to the contractor on the expiration of forty (40) days after the acceptance of the materials and work, as provided in the form of contract.

A fuller description of the materials to be furnished and the work to be done is set forth and other requirements, provisions, details and specifications are stated in the form of contract and in the contract drawings therein referred to.

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 21st day of August, 1914, at 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 and must be signed and sworn to and must be accompanied by a copy of this Invitation and of the form of contract and form of bond. Copies of this Invitation and of the form of contract, bond and contractor's proposal and of the contract drawings may be inspected and purchased at the said Office of the Commission. Bidders must state in their proposals the number of days, exclusive of Sundays and legal holidays, after the delivery of the contract within which the delivery of the Special Work will be completed.

Every proposal must when submitted be enclosed in a sealed envelope endorsed "Proposal for the Supply of Special Work, Portions Nos. 5, 6, 12, 13, 14, 15 and 16," 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 two thousand dollars ($2,000), 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 prices must not be improperly balanced and any bid which the Commission considers detrimental to the City's interests will be rejected.

Every proposal must be for supplying all the Special Work above referred to and no proposal will be received for supplying only a part thereof. No proposal, after it shall have been deposited with the Commission, will be allowed to be withdrawn.

The award of the contract will be made 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.

Dated, New York, July 30, 1914.

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

TRAVIS H. WHITNEY, Secretary.

CONTRACT FOR SPECIAL WORK.

Portions Nos. 5, 6, 12, 13, 14, 15 *and* 16.

Agreement made this day of , 1914, between The City of New York (hereinafter referred to as the "City"), acting by the Public Service Commission for the First District (hereinafter referred to as the "Commission"), party of the first part, and (hereinafter referred to as the "Contractor"), part* of the second part.

Whereas the Comimssion, in behalf of the City, by due advertisement, pursuant to law, has invited contractors to submit to the Commission proposals for making this contract; and

Whereas the Contractor has thereupon duly submitted to the Commission a proposal, which has been accepted; and

Whereas the Board of Estimate and Apportionment of the City has consented to this contract;

Now therefore, in consideration of the premises and of the mutual stipulations hereinafter expressed, the parties do hereby, the City for itself and its successors, and the Contractor for† and assigns, agree each with the other as follows:

Article First—The Contractor agrees to supply the Special Work hereinafter mentioned and described for use in the construction of a rapid transit railroad and to do all the other matters and things which it is herein provided he shall do. The City agrees to pay the Contractor the sums of money hereinafter mentioned at the time and in the manner and upon the terms and conditions hereinafter set forth.

The Special Work to be supplied under this contract consists of Portions Nos. 5, 6, 12, 13, 14, 15 and 16, said portions being a part of the Broadway-Fourth Avenue Rapid Transit Railroad in the Borough of Brooklyn, and is more fully described in the specifications and upon the contract drawings.

Article Second—This contract is made pursuant to the Rapid Transit Act, being Chapter 4 of the Laws of 1891, entitled "An Act to provide for Rapid Transit Railways in Cities of over One Million Inhabitants," as amended, which Act is to be deemed a part hereof as if it were incorporated herein.

Article Third—The word "Contractor," wherever used in this contract, means the part* of the second part to this contract and‡ 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 second part to perform any obligations under this contract assumed by the said part of the second part. For convenience the Contractor is hereinafter referred to as if the Contractor were an individual. The word "he" shall, as the sense may require, include "she," "it," and "they"; the word "him" shall include "her," "it" and "them"; and the word "his" shall include "her," "its" and "their".

The word "Engineer," wherever used in this contract, means the Chief Engineer of the Commisison 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.

The word "Inspector", wherever used in this contract, means any representative of the Engineer designated by him to act as inspector.

The words "Special Work", wherever used in this contract, mean the materials which the Contractor agrees by this contract to furnish and deliver, including all incidental work, labor and materials.

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*Here insert *y* or *ies*, as the case may be.

†Here insert, if a corporation, *itself, its successors;* if a single individual, *himself, his executors, administrators;* if several individuals, *themselves, jointly and severally, and their and each of their executors, administrators.*

‡Here insert, as the case may be, either *its successors,* or *his executors, administrators,* or *their executors, administrators.*

The words "directed," "required," "permitted," "ordered," "designated," "prescribed" or words of like import, wherever used in this contract, 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 mean approved by, or acceptable or satisfactory to, the Engineer.

The word "notice," wherever used in this contract, means a written notice.

Article Fourth—The Contractor shall supply the Special Work hereinafter mentioned and described and shall furnish and deliver the same free on board conveyances at the 38th Street Store Yard, known as the 39th Street and 3rd Avenue Station of the South Brooklyn Railway in the freight tariff, hereinafter referred to as the "Store Yard," and shall do all the work and furnish all the materials, plant, machinery, power, tools and appliances necessary or proper for supplying the Special Work and doing the work hereinafter mentioned and described, in the manner and within the time hereinafter specified, to the satisfaction of the Commission and in accordance with this contract and the specifications and drawings herein mentioned, for the compensation herein agreed upon and fixed therefor; provided, however, that said drawings may from time to time be altered or modified as hereinafter provided.

Article Fifth—Time is of the essence of this contract. The delivery of the Special Work covered by this contract shall be completed in all respects within*

( ) days, exclusive of Sundays and legal holidays, from the date of the delivery of this contract. Provided, however, that 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 of his agents or representatives, and in case the Contractor cannot, notwithstanding such strike, with reasonable diligence make up for the delay so occasioned by speedier work when he shall not be so delayed, then the said date for completion shall be extended by resolution of the Commission to a date later than the expiration of the said period of*

( ) days, exclusive of Sundays and legal holidays, by the amount of the time of such delay as determined by the Commission. But no strike shall be ground for such extension unless and until the Contractor shall give the Commission notice of such strike and no extension will be granted except for the delay occasioned after the giving of such notice; nor will any extension be granted in any case unless the Contractor shall prove to the satisfaction of the Commission the facts which entitle him to such extension.

Article Sixth—The City will pay, and the Contractor shall receive, in full compensation for supplying the Special Work free on board conveyances at the Store Yard, and for doing all the other matters and things which it is herein provided he shall do and for doing all the work and furnishing all the materials, plant, machinery, power, tools and appliances necessary or proper for supplying the Special Work and doing the work hereinafter specified and described the following prices, to wit:

Article Seventh—The contract drawings referred to in this contract and in the specifications forming a part of this contract are signed by the Chief Engineer of the Commission and are numbered and designated as follows:

Portion 5.

Contract Drawing No.T-2005, Broadway-Fourth Ave. Line-A; special work north of Gold St. station, Tracks 1 and 3; date, July 11, 1914.

Contract Drawing No. T-2005-1, Broadway-Fourth Ave. Line-A; special work north of Gold St. station, special housed switch No. 1; date, July 11, 1914.

Contract Drawing No. T-2005-2, Broadway-Fourth Ave.-Line A; special work north of Gold St. station, special housed switch No. 2; date, July 11, 1914.

Contract Drawing No. T-2005-3, Broadway-Fourth Ave. Line-A; special work north of Gold St. station, special crossing frog; date, July 11, 1914.

Contract Drawing No. T-1115-a; standard No. 5 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1116-a; standard No. 6 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1135-a; standard housed switch point for use in No. 5 turnout; date, May 8, 1914.

Portion 6.

Contract Drawing No. T-2006, Broadway-Fourth Ave. Line-A; special work north of DeKalb Ave. station, tracks 1, 1A, 2, 2A, 3, 4; date, July 14, 1914.

Contract Drawing No. T-2006-1 & 2, Broadway-Fourth Ave. Line-A; special work north of DeKalb Ave. station, special crossing frogs Nos. 1 and 2; date, July 14, 1914.

Contract Drawing No. T-2006-3-4, Broadway-Fourth Ave. Line-A; special work north of DeKalb Ave. station, special housed switches Nos. 3 and 4; date, July 14, 1914.

Contract Drawing No. T-2006-5 and 6, Broadway-Fourth Ave. Line-A; special work north of DeKalb Ave. station, special combination housed switches Nos. 5 and 6; date, July 14, 1914.

Contract Drawing No. T-2006-7-8, Broadway-Fourth Ave. Line-A; special work north of DeKalb Ave. station, special combination frogs; date, July 14, 1914.

Contract Drawing No. T-1114-a; standard No. 4 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1115-a; standard No. 5 rigid frog; dated, May 8, 1914.

Contract Drawing No. T-1116-a; standard No. 6 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1118-a; standard No. 8 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1136-a; standard housed switch point for use in No. 6 turnout; date, May 8, 1914.

Contract Drawing No. T-1138-a; standard housed switch point for use in No. 8 turnout; date, May 8, 1914.

Portion 12.

Contract Drawing No. T-2012; Broadway-Fourth Ave. Line-F; special work north of 36th St. station, tracks 3 and 4; date, June 1, 1914.

Contract Drawing No. T-1115-a; standard No. 5 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1135-a; standard housed switch point for use in No. 5 turnout; date, May 8, 1914.

Portion 13.

Contract Drawing No. T-2013, Broadway-Fourth Ave. Line-F; special work south of 36th St. station, tracks 1, 1A, 2, 2A, 3 and 4; date, June 28, 1914.

Contract Drawing No. T-1114-a; standard No. 4 rigid frog; date, May 8, 1914.

Contract Drawing No. 7-1116-a; standard No. 6 rigid frog; date, May 8, 1914

Contract Drawing No. T-1136-a; standard housed switch point for use in No. 6 turnout; date, May 8, 1914.

Contract Drawing No. T-2004-1, Broadway-Fourth Ave. Line-A; special work north of Gold St. station, special housed switch No. 1; date, June 3, 1914.

Portion 14.

Contract Drawing No. T-2014, Broadway-Fourth Ave. Line-F; special work north of 36th St. station, tracks 1, 2, 3 and 4; date, June 18, 1914.

Contract Drawing No. T-1114-a; standard No. 4 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1115-a; standard No. 5 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1135-a; standard housed switch point for use in No. 5 turnout; date, May 8, 1914.

Portion 15.

Contract Drawing No. T-2015, Broadway-Fourth Ave. Line F; special work south of 59th St. station, tracks 1, 2, 3 and 4; date July 1, 1914.

Contract Drawing No. T-2015-1 and 2, Broadway-Fourth Ave. Line-F; special work south of 59th St. station, special crossing frogs; date, July 1, 1914.

Contract Drawing No. T-1115-a; standard No. 5 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1116-a, standard No. 6 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1135-a; standard housed switch point for use in No. 5 turnout; date, May 8, 1914.

Contract Drawing No. T-1136-a; standard housed switch point for use in No. 6 turnout; date, May 8, 1914.

Portion 16.

Contract Drawing No. T-2016, Broadway-Fourth Ave. Line F; special work north of 86th St. station, tracks 1 and 2; date, July 8, 1914.

Contract Drawing No. T-2016-1, Broadway-Fourth Ave. Line F; special work north of 86th St. station, special crossing frog; date, July 8, 1914.

Contract Drawing No. T-1118-a; standard No. 8 rigid frog; date, May 8, 1914.

Contract Drawing No. T-1138-a; standard housed switch point for use in No. 8 turnout; date, May 8, 1914.

General Drawings for All Portions.

Contract Drawing No. T-1001-a; standard rail 100 lb. A. R. A., type B.; date, May 8, 1914.

Contract Drawing No. T-1011-a; standard bolts and nuts; date, May 8, 1914.

Contract Drawing No. T-1012; standard brace for guard rail; date, Oct. 20, 1913.

Contract Drawing No. T-1013; standard brace for main rail on curves; date, Oct. 20, 1913.

Contract Drawing No. T-1014-c; standard housing chair A; date, July 27, 1914.

Contract Drawing No. T-1019-c; standard switch rods and strap braces; date, July 7, 1914.

Contract Drawing No. T-1020-b; standard housing; date, July 23, 1914.

Contract Drawing No. 7-1021; standard switch plates P, S, T, U and V; date, May 8, 1914.

Contract Drawing No. T-1022; special switch plates K, L, M, N and O; date, May 8, 1914.

Contract Drawing No. T-1060-b; standard frog clips; date, May 26, 1914.

Contract Drawing No. T-1063-b; standard housing chairs B and C; date, July 27, 1914.

Contract Drawing No. T-1101; standard turnout dimensions using housed switch points; date, March 17, 1914.

Article Eighth—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. The Contractor shall make all working and shop drawings which may be required in addition to the contract drawings or in addition to such other drawings as the Engineer may issue in amplification of the contract drawings. These working or shop drawings shall show all necessary dimensions for the construction of the Special Work and shall be complete in every detail. All working or shop drawings shall be submitted in quintuplicate to the Engineer for his approval, which approval, if given, 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 to the Contractor; and the Contractor shall make such corrections and changes and again submit drawings in quintuplicate 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 approval shall be given or refused within seven (7) working days after delivery to the Engineer at his office of such drawings in quintuplicate. Such working or shop drawings when approved by the Engineer shall, unless altered or modified by the Engineer as herein provided, be in all respects strictly complied with by the Contractor.

Article Ninth—If in the prosecution of the work difficulties of any nature be encountered or if the drawings be found erroneous, the Contractor shall take such measures to overcome the difficulty as the Engineer may direct.

Article Tenth—The Engineer shall have the right from time to time during the progress of the work to amplify the contract drawings, to add explanatory specifications and to furnish additional specifications and drawings. The Engineer shall also have the right from time to time during the progress of the work to alter or modify the contract drawings or the drawings issued in amplification of the contract drawings or the working or shop drawings.

Article Eleventh—The Contractor shall complete the entire work of supplying the Special Work to the satisfaction of the Commission and in accordance with the specifications and the drawings aforesaid and according to the other provisions of this contract and within the time specified in this contract in the most workmanlike manner.

Article Twelfth—The Contractor shall furnish of the best description all labor and all materials, plant, machinery, tools and appliances necessary to construct and deliver the Special Work in complete working order in accordance with the specifications and the drawings aforesaid and in accordance with the other provisions of this contract, including all additional specifications, drawings and details issued as herein provided.

Article Thirteenth—The Commission contemplates and the Contractor approves the most thorough and minute inspection by the Commission and its Engineer and by their representatives or subordinates of all work to be done and of all materials to be furnished under this contract and of the manufacture and preparation of such materials. It is the intention of the Commission that its Engineer shall draw the attention of the Contractor to all defects in workmanship or materials and other errors or variations from the requirements of this contract; but no omission on the part of the Commission or its Engineer or any of their representatives or subordinates to point out such defects or other errors or variations shall give the Contractor any right or claim against the City or shall in any way relieve the Contractor from his obligations according to the terms of this contract.

Article Fourteenth—The Contractor shall at all times give to the Commission and its members and to the Engineer and his Inspectors and other assistants and subordinates all facilities, whether necessary or convenient, for inspecting the Special Work to be furnished and the work to be done under this contract and for satisfying themselves that the Special Work is being furnished and the work done in accordance with this contract. When required, the Contractor shall furnish the Engineer with samples of materials or supplies before proceeding with the work under this contract, and he shall at least one (1) week before commencing or resuming manufacture of any material called for by this contract, give notice to the Engineer of his intention to commence or resume such manufacture, stating the amount and description of the materials and the place where the same are to be manufactured. The members of the Commission and the Engineer and his Inspectors and other assistants and subordinates shall be admitted at any time summarily and without delay to any part of the Contractor's works or place of manufacture or to inspection of materials at any place or stage of their manufacture, preparation, shipment or delivery. The tests and inspection shall be so conducted as not to interfere unnecessarily with the operation of the works.

Article Fifteenth—The inspection or acceptance of the Special Work or of materials therefor 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 even though such work and materials may have been previously accepted. If the Special Work or any part thereof shall be found defective before the final acceptance of the whole work, the Contractor shall forthwith at his expense make good such defects in a manner satisfactory to the Engineer, and if any materials shall be condemned by the Engineer as unsuitable or not in conformity with the specifications or the drawings or the other provisions of this contract, the Contractor shall forthwith at his expense remove such condemned materials and substitute for the same other materials satisfactory to the Engineer.

Article Sixteenth—All materials shall be carefully loaded and protected from injury during transportation by such means as the Inspector may approve. All materials which during their delivery and before their final acceptance shall become damaged from any cause shall be removed and be replaced by good and sound materials at the Contractor's expense.

Article Seventeenth—The Contractor shall furnish and deliver the Special Work strictly in accordance with the requirements of the specifications and other provisions of this contract and in accordance with the drawings. If in the specifications or in this contract or upon the drawings any detail or other matter or thing requisite be not mentioned, nevertheless the same is deemed to be included and the Contractor shall do the same as part of his work hereunder for the compensation aforesaid. In the event of any doubt as to the meaning of any portion of the specifications or of the 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.

Article Eighteenth—The specifications referred to in this contract are hereto annexed and are contained in the following subdivisions:

Specifications for Construction of Special Work.
Specifications for Open-Hearth Rail.
Specifications for Manganese Rail.
Specifications for Rail Braces.
Specifications for Bolts and Nuts.
Specifications for Tie-Plates.

Specifications for Construction of Special Work.

Section 1. All Special Work shall be of the best design, workmanship and material, and shall be built up of Open-Hearth or Manganese Rail as called for on the contract drawings. Wherever in these specifications or on the contract drawings Open-Hearth or Manganese Rail is called for it shall be taken to mean the rail rolled under the specifications for Open-Hearth or Manganese Rail attached hereto and made a part of this contract.

Section 2. Frogs and crossings shall be built up of Open-Hearth and Manganese Rail, as called for on the contract drawings. At particular points where special frog construction is necessary manganese castings shall be furnished as shown on the contract drawings. These castings shall be made for connection to the track rails

*Here fill in the number of days stipulated in the Contractor's Proposal.

specified and shall be of a design and material approved by the Engineer. Wing rails of frogs shall extend to the heel.

Flangeways shall be two (2) inches deep. All filler blocks shall be made of material called for on the drawings and shall bear on the head and base of rail. Heel blocks shall be made of high carbon cast steel or high carbon rolled insert cast in a cast iron filler.

All frogs shall be furnished with a three-quarter (¾) of an inch rolled steel plate securely fastened to the frog with Standard Frog Clips.

Movable point and spring frogs shall be used where specified on, and shall conform to, the contract drawings.

Section 3. Slip switches, with rigid centers, shall have the inside curve, connecting rail between the inside points, securely fastened to the plate under the frog or bolted to the frog.

Section 4. Unless otherwise called for on the contract drawings the switches shall be of the split guarded type having a housing of approved manganese or other approved hard steel. The points shall be made from rolled rail of section and manufactured as specified for Open-Hearth or Manganese Rails, re-enforced on both sides with properly shaped steel plates each not less than three-eighths (⅜) of an inch thick, the whole held securely together by three-quarters (¾) of an inch rivets spaced not more than one (1) foot six (6) inches centers. Care must be taken to provide one-eighth (⅛) inch clearance for the heads of all rivets and bolts between such rivets and bolts and the web of the running rail. The throw of all switches shall be three and three-quarter (3¾) inches measured opposite the first switch rod.

Section 5. Slip plates for switch points and all special plates shall be seven and one-half (7½) inches wide and not less than one-half (½) inch thick and of sufficient length to permit proper spiking inside of the switch points and rails and to permit of the installation of standard rail braces and housing chairs. All slip plates shall have suitable shoulders for the stockrail, rail braces and housing chairs. All plates under the switch points shall be rolled or forged with one-quarter (¼) of an inch risers, the full width of the plates and of suffcient length for the proper operation of the switch. The rise shall be run off from the heel of the switch point in two plates, the first having a one-quarter (¼) of an inch riser and the second a one-eighth (⅛) of an inch riser.

Special plates outside of the switch points shall be furnished without shoulders and without punching and with one-half (½) inch by two (2) inches stop blocks punched for rivets for the support of the rail braces. The rivets necessary for installing these stop blocks shall be furnished by the Contractor.

The quality and finish of the material used in the manufacture of all plates in the Special Work shall be in accordance with the specification for Tie Plates attached hereto and which are made a part hereof.

Section 6. Not less than three (3) switch rods shall be provided for each switch; each rod shall be two and one-half (2½) inches by three-quarters (¾) of an inch flat with insulated joint. Provision shall be made on rod No. 1 for connection to the switch mechanism. All rods shall be fastened to suitable cast or pressed steel rail clips, and shall be bolted to the switch points by two (2) three-quarters (¾) of an inch bolts to the switch rods, in an approved manner by one (1) seven-eighth (⅞) of an inch shoulder bolt drilled for one-eighth (⅛) of an inch cotter.

Section 7. All bolts in switch points and frogs shall be manufactured of material as specified for Track Bolts and shall be provided with nut locks manufactured in accordance with the A. R. A. specifications adopted in 1912.

Section 8. All Special Work shall be carefully fitted and set up in the shop before shipment. All switch points and frogs after inspection and before shipment shall be painted one coat of black carbon paint. All material shall be given suitable shop marks before shipment and the Contractor shall furnish an assembly plan indicating the location of the various parts by shop marks.

Specifications for Open-Hearth Rail.

Section 9. In these specifications where open-hearth steel is referred to it shall be understood to mean commercial open-hearth steel having a chemical composition as spcified for this material hereinafter.

Section 10. The section of all rails shall be that known as the American Railway Association Standard, Type "B," 100 pound, approved 1912, and shall conform accurately to the section and dimensions of this standard. An allowance of one-sixty-fourth (1-64) of an inch under, and one-thirty-second (1-32) of an inch over, will be allowed for variations in the specified height, and a variation of one-sixteenth (1-16) of an inch will be permitted in width of flange, provided the variations in weight specified hereinafter are not exceeded; but no variation will be allowed in the dimensions affecting the fit of splice bars.

Section 11. The weight of the rails shall be maintained as nearly as possible to one hundred (100) pounds per yard of rail. A variation of one-half (½) of one (1) per centum from the calculated weight of section as applied to the entire amount of rail called for will be allowed.

Section 12. The name of the maker, the weight and type of the rail, and the month and year of manufacture shall be rolled in raised letters and figures on the side of the web. The number of the heat shall be stamped on each rail so as not to be covered by the splice bars and a letter shall be stamped on the side of the web of each rail to indicate the position in the ingot from which that rail was rolled. The letters "O. H." shall be rolled or stamped upon each rail.

Section 13. Circular holes, as indicated on the drawings, shall be provided for splice bars, and for bonds if so ordered. They shall conform accurately to the dimensions shown, and shall be free from burrs. These holes shall be drilled and must be cylindrical and not conical.

Section 14. All rails, while on the cooling beds, shall be protected from contact with snow or water. They shall be carefully straightened so that gagging under the cold press shall be reduced to a minimum.

Section 15. Any rails coming to the straightening presses showing shorter kinks or greater camber than that indicated by the middle ordinate of four (4) inches in thirty-three (33) feet will not be accepted. The distance between the supports of the rails in the gagging press shall be not less than forty-two (42) inches. All rails after finishing shall be smooth on heads, straight in line and surface, without twists, kinks or waves, and shall be entirely free from injurious defects or flaws of any kind. All rail ends shall be sawed square, a variation of more than one-thirty-second (1-32) of an inch not being acceptable, and all burrs shall be removed and ends made smooth.

Section 16. The entire process of manufacture shall be in accordance with the best current practice at the time of manufacture.

All ingots shall be kept in a vertical position until the interior has solidified. No bled ingots shall be used. Sufficient top discard shall be made to secure sound rails, and care shall be taken to avoid burning in reheating. The end of the bloom or the rail formed from the top of the ingot shall be sheared until the entire face shows sound metal. All metal sheared from the top of the ingot, either from the bloom or the rail, shall be considered top discard.

Section 17. The number of passes and the speed of the train shall be so regulated for all rails, that on leaving the rolls at the final pass the temperature of the rail will not exceed that which requires a shrinkage allowance at the hot saws for a thirty-three (33) foot rail of seven (7) inches. No artificial means of cooling shall be used, nor shall the rails be held, before sawing, for the purpose of reducing the temperature.

Section 18. The chemical composition of each heat of steel from which the rails are rolled, determined as herein described, shall be within the following limits:

Carbon	0.73 to 0.86 per centum
Phosphorus not to exceed	0.04 per centum
Manganese	6.60 to 0.90 per centum
Silicon not to exceed	0.2 per centum

It is desired that the percentage of carbon in an entire order of rails shall average as high as the mean percentage between the upper and lower limits specified.

Section 19. When the material used at any mill is such that the average phosphorus content of the ingot metal used is running below 0.03 per centum, the carbon may be increased, with the approval of the Engineer, at the rate of 0.035 per centum for each 0.01 per centum that the phosphorus content of the ingot metal used averages below 0.03 per centum for open-hearth steel.

Section 20. In order to ascertain whether the chemical composition is in accordance with the requirements, the makers shall furnish the Inspector with a chemical analysis of the elements carbon, manganese, silicon, phosphorus and sulphur, for each heat.

On request of the Inspector, the manufacturer shall furnish a portion of the test ingot for check analysis.

Section 21. Tests on rails shall be made to determine:

(a) Ductility or toughness as opposed to brittleness.

(b) Soundness.

The physical qualities shall be determined by the drop test and the "nick and break" test.

Section 22. The drop testing machine used shall be the standard of the American Railway Engineering Association.

(a) The tup shall weigh two thousand (2,000) lbs., and have a striking face with a radius of five (5) inches.

(b) The anvil block shall weigh twenty thousand (20,000) lbs., and be supported on springs.

(c) The supports for the test pieces shall be spaced three (3) feet between centres and shall be a part of, and firmly secured to, the anvil. The bearing surfaces of the supports shall have a radius of five (5) inches.

Section 23. Drop tests of rail shall be made on pieces of rail not less than four (4) feet and not more than six (6) feet long. These test pieces shall be cut from the top end of the top rail of the ingot, and marked on the base with gauge marks one (1) inch apart for three (3) inches each side of the centre of the test piece, for measuring the ductility of the metal.

Section 24. The temperature of the test pieces shall be between sixty (60) and one hundred (100) degress Fahrenheit.

Section 25. The test piece shall be placed head upward on the supports, and be subject to impact of the tup falling free from a height of fifteen (15) feet.

Under this impact the rail under one or more blows shall show at least four (4) per centum elongation for one (1) inch, or three (3) per centum each for two (2) consecutive inches of the six (6) inch scale.

Section 26. A sufficient number of blows shall be given to determine the complete elongation of the test piece of at least one (1) out of every three (3) test pieces.

Section 27. The permanent set after one blow under the drop test shall not exceed one and two tenths (1.2) inches, measured by middle ordinate in a length of three (3) feet.

Section 28. The test pieces which do not break under the first or subsequent blows shall be nicked and broken, to determine whether the interior metal is sound.

Section 29. Test pieces shall be selected from the second, middle and last full ingot of each heat, and tested under the drop for elongation or ductility, as hereinbefore specified.

(a) If two (2) of these test pieces do not break at the first blow, and if both show the required elongation, all of the rails of the heat shall be accepted, provided that none of the three (3) test pieces when broken show interior defect.

(b) If two (2) of the test pieces break at the first blow or do not show the required elongation, or if any of the three (3) test pieces when broken show interior defect, all of the top rails from that heat shall be rejected.

(c) Second tests shall then be made from three (3) test pieces selected by the Inspector from the top end of any second rails of the same heat, preferably of the same ingots. If two (2) of these test pieces do not break at the first blow and if both show the required elongation, all of the remainder of the rails of the heat shall be accepted, provided that none of the three (3) test pieces when broken show interior defect.

(d) If two (2) of these test pieces break at the first blow or do not show the required elongation, or if any of the three (3) test pieces when broken show interior defect, all of the second rails of the heat shall be rejected.

(e) Third tests shall then be made from three (3) test pieces selected by the Inspector from the top end of any third rails of the same heat, preferably of the same ingots. If two (2) of these test pieces do not break at the first blow, and if both show the required elongation, all of the remainder of the rails of the heat shall be accepted, provided that none of the three (3) test pieces when broken show interior defect.

(f) If two (2) of these test pieces break at the first blow, or do not show the required elongation, or if any of the three (3) test pieces when broken show interior defect, all of the remainder of the rails from that heat shall be rejected.

Section 30. All rails improperly drilled or straightened, or from which burrs have not been properly removed as specified, shall be rejected until such time as these defects have been corrected. All rails shall be loaded in the presence of the Inspector. Rails, which by reason of surface imperfections, or for causes mentioned in Section 15 shall be rejected.

Specifications for Manganese Rail.

Section 31. In these specifications where manganese steel is referred to it shall be understood to mean the special steel having a chemical composition as specified hereinafter for rolled manganese steel, whether this steel is manufactured by the open-hearth process or in any other manner.

Section 32. The section of all rails shall be that known as the American Railway Association Standard, Type "B," 100 pounds, approved 1912, and shall conform accurately to the section and dimensions of this standard. An allowance of one-sixty-fourth (1-64) of an inch under, and one-thirty-second (1-32) of an inch over, will be allowed for variations in the specified height, and a variation of one-sixteenth (1-16) of an inch will be permitted in width of flange, provided the variations in weight specified hereinafter are not exceeded; but no variation will be allowed in the dimensions affecting the fit of splice bars.

Section 33. The weight of the rails specified in the order shall be maintained as nearly as possible to one hundred and one (101) pounds per yard of rail. A variation of one-half (½) of one (1) per centum from the calculated weight of section as applied to the entire amount of rail called for will be allowed.

Section 34. The name of the maker, the weight and type of the rail, and the month and year of manufacture shall be rolled in raised letters and figures on the side of the web. The number of the heat shall be stamped on each rail so as not to be covered by the splice bars and a letter shall be stamped on the side of the web of each rail to indicate the position in the ingot from which that rail was rolled. The letter "M" shall be rolled or stamped upon each manganese rail.

Section 35. Circular holes, as indicated on the drawing, shall be provided for splice bars, separators and bonds. They shall conform accurately to the dimensions shown, and shall be free from burrs. These holes may be punched and must be cylindrical and not conical.

Section 36. The distance between the supports of the rails in the gagging press shall be not less than forty-two (42) inches. All rails after finishing shall be smooth on heads, straight in line and surface, without twists, kinks or waves, and shall be entirely free from injurious defects or flaws of any kind. All rail ends shall be sawed square, a variation of more than one thirty-second (1-32) of an inch not being acceptable, and all burrs shall be removed and ends made smooth.

Section 37. The entire process of manufacture shall be in accordance with the best current practice at the time of manufacture.

All ingots shall be kept in a vertical position until the interior has solidified. No bled ingots shall be used. Sufficient top discard shall be made to secure sound rails, and care shall be taken to avoid burning in reheating. The end of the bloom or the rail formed from the top of the ingot shall be sheared until the entire face shows sound metal. All metal sheared from the top of the ingot, either from the bloom or the rail, shall be considered top discard.

Section 38. The methods and appliances used in the manufacture of the rails shall be such as to give uniform results both as to chemical composition and physical characteristics.

Section 39. All rails shall be quenched in a water bath within a period of a minute and twenty seconds after leaving the final pass. In case, on any occasion, this limit of time before quenching is exceeded for any cause whatsoever, such rails shall be especially marked and a bend test made from both ends of the bar. This bend test shall consist of taking a two-inch section of the finished rail and bending the head down towards the base, cold, under the steam hammer. In case this bend test from either end of the rail breaks before the head has been bent through an angle of ninety (90) degrees a further bend test shall be cut from the same end of the same rail and re-tested. If this re-test breaks the rail shall be retreated so as to stand all tests specified herein.

Section 40. The chemical composition of each heat of manganese steel from which the rails are rolled, determined as herein prescribed, shall be within the following limits:

Carbon	0.95 to 1.35 per centum
Phosphorus	not over .100 per centum
Manganese	10.50 to 15.00 per centum

Section 41. In order to ascertain whether the chemical composition is in accordance with the requirements, the makers shall furnish the Inspector with a chemical

analysis of the elements carbon, manganese, silicon, phosphorus and sulphur, for each heat.

On request of the Inspector, the manufacturer shall furnish a portion of the test ingot for check analysis.

Section 42. Tests on rails shall be made to determine:

(a) Ductility or toughness as opposed to brittleness.

(b) Soundness.

The physical qualities shall be determined by the drop test.

Section 43. The drop testing machine used shall be the standard of the American Railway Engineering Association.

(a) The tup shall weigh two thousand (2,000) lbs., and have a striking face with a radius of five (5) inches.

(b) The anvil block shall weigh twenty thousand (20,000) lbs., and be supported on springs.

(c) The supports for the test pieces shall be spaced three (3) feet between centres and shall be a part of, and firmly secured to, the anvil. The bearing surfaces of the supports shall have a radius of five (5) inches.

Section 44. The drop test shall be made on a piece of rail not less than four (4) feet and not more than six (6) feet long. These drop test pieces shall be selected one from each pit in which the ingots are heated. These rails shall be placed head upwards on the supports and the various sections shall be subjected to impact of the tup falling free from a height of twenty (20) feet.

Section 45. If any rail breaks when subjected to less than three (3) blows under the drop, two (2) additional tests shall be made on the top rails from the same pit. If either of these re-tests fails, all of the top rails from the pit which they represent shall be rejected. Two (2) tests shall then be cut from the second rails from the same pit and if both of these tests meet the above requirements, all the remaining rails from that pit shall be accepted. If either of these rails fails all the second rails from that pit shall be rejected. Then two (2) tests shall be cut from the third rails and tested, and so on until all the rails from the pit have been tested. The report of the drop test shall state the atmospheric temperature at the time the test was made. The temperature of the test pieces when tested shall not be less than sixty (60) degrees F., nor greater than one hundred and twenty (120) degrees F.

Section 46. All rails improperly drilled or straightened, or from which burrs have not been properly removed as specified, shall be rejected until such time as these defects have been corrected. All rails shall be loaded in the presence of the Inspector.

Specifications for Rail Braces.

Section 47. Rail braces shall be made of malleable cast iron made by the open hearth or air furnace process. The casting shall not contain over six hundredths (.06) per centum sulphur or over two hundred twenty-five thousandths (.225) per centum phosphorus.

Section 48. The tensile strength of a standard American Society for Testing Materials, 1905, test bar shall not be less than forty thousand (40,000) pounds per square inch. The elongation measured in two (2) inches, shall not be less than two and one-half (2½) per centum. The transverse strength of such a standard test bar, on supports twelve (12) inches apart, pressure being applied at the center, shall not be less than three thousand (3,000) pounds, deflection being at least one-half (½) of an inch.

Section 49. Castings shall neither be "over" or "under" annealed. They must have received their full heat in the oven at least sixty (60) hours. The "saggers" shall not be dumped until the contents shall be at least "black hot."

Section 50. Castings shall be true to pattern, free from blemishes, scale or shrinkage cracks. Variations of over one-sixteenth (1-16) of an inch per foot will not be accepted.

Specifications for Bolts and Nuts.

Section 51. Track bolts shall be made of open-hearth or other approved process steel. If necessary to secure the properties desired, the bolts may be heat treated. Bolts shall conform to the following requirements: The elastic limit shall be fifty thousand (50,000) pounds per square inch; elongation twenty (20) per centum measured on a length of eight (8) inches; reduction of area forty (40) per centum. The elastic limit shall in no case be less than fifty (50) per centum of the ultimate strength.

Section 52. Tests shall be made for ductility by bending the bolt cold through one hundred eighty (180) degrees flat on itself without fracture on the outside of the bent portion. This bend test may be made on the unthreaded portion of a finished bolt or on a blank bolt or on a test piece of the same size and same grade of steel. The test piece shall in any case be subjected to the same treatment as the finished bolt.

Section 53. Subject to the following allowances, bolts shall conform strictly to the drawings:

The length shall not be more than one-sixteenth (1-16) of an inch less, or one-eighth (⅛) of an inch more, than the dimensions shown. The diameter of the bolt shall not vary more than one sixty-fourth (1-64) of an inch from the dimensions shown. The size of the head shall not vary more than one-sixteenth (1-16) of an inch from the dimensions shown. The outside dimensions of the nut shall not vary more than one-thirty-second (1-32) of an inch from the dimensions shown.

Section 54. The heads and nuts shall be free from checks or burrs of any kind. The threads shall be full and clean with not less than two (2) nor more than five (5) finger threads, except as shown on contract drawings. All bolts shall have rolled threads.

Section 55. When bolts are shipped each shall be provided with a nut and the nuts shall be applied for at least two (2) threads, and the bolts and nuts shall be properly oiled to prevent rusting and shall be packed in serviceable kegs. All kegs must be plainly marked as to material, size of bolts and name of manufacturer; all kegs must be left open until the bolts are approved, and the kegs stamped, by the Inspector.

Specifications for Tie-Plates.

Section 56. Tie plates must be manufactured from steel of uniform quality made by either the open-hearth or Bessemer process, but preferably the open-hearth. The steel used must be capable of sustaining an ultimate stress of fifty-four thousand (54.000) to sixty-four thousand (64.000) pounds per square inch, and must have an elastic limit of not less than one-half (½) the ultimate strength; an elongation of not less than twenty (20) per centum, measured on a length of eight (8) inches, and a reduction in area at point of fracture of not less than forty (40) per centum. A plate of full section must withstand bending cold at right angles to the fibre through an angle of one hundred and eighty (180) degrees, doubled on itself without sign of fracture on outside surface of bent portion.

Section 57. Test pieces fourteen (14) inches in length, with uniform section and end area of not less than one-half (½) a square inch shall be cut from the finished material and tested for tensile strength.

Section 58. Tie plates must be free from injurious cracks or seams. They must be accurately rolled to the specified section and have spike holes punched accurately. Subject to the following allowances, the form and dimensions of the plates shall conform to the drawings approved by the Engineer: The length and width shall not vary more than one-eighth (⅛) inch from the dimensions shown. The thickness shall not vary more than one-thirty-second (1-32) inch from the dimensions shown. All variations in length shall be left on the inside end of the plate. The distance from the shoulder to the outside end of the plate must be made uniform. The spike holes must be punched from the top, clean cut, without burrs, and the plates must not be cracked or bent out of shape in punching the holes. The plates shall be free from burrs and imperfections.

The tie plates shall be bundled and not shipped loose in bulk.

Article Nineteenth—The Engineer shall make all necessary explanations as to the meaning and intention of the specifications and 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.

Should any discrepancy appear or any misunderstanding arise as to the import of anything contained in the specifications or in the other provisions of this contract or shown upon the contract drawings, the decision or explanation of the Engineer shall be final and conclusive.

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.

Article Twentieth—To prevent disputes and litigations, the Engineer shall in all cases determine the amount, quality, acceptability and fitness of the work and materials which are to be paid for under this contract, shall determine every question in relation thereto or in relation to the construction or delivery of the Special Work 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.

Article Twenty-first—Whenever in the opinion of the Engineer the Contractor shall have completely performed this contract on his part, the Engineer shall so certify in writing to the Commission and in his certificate shall state the whole amount of the Special Work furnished by the Contractor and accepted and also the value of such Special Work under and according to the terms of this contract. On the expiration of forty (40) days after the acceptance by the Commission of the Special Work herein agreed to be furnished and the work herein agreed to be done by the Contractor the City shall pay to the Contractor the amount stated in such certificate or so much of said amount as may remain after making any deductions herein authorized to be made. The Comptroller shall at the same time surrender the Contractor's bond or deposit of cash or such part of such deposit as shall not have been used or applied as herein provided.

Article Twenty-second—Simultaneously with the execution and delivery of this contract the Contractor shall give security for the faithful performance of all the conditions, covenants and requirements specified and provided for in this contract by filing with the Comptroller of the City a bond in the form annexed hereto, entitled "Bond," executed by the Contractor and by two or more sureties to be corporations or persons approved by the Commission in the sum of*

dollars ($).

The execution of the bond must be duly acknowledged before the delivery of the bond and full affidavits of justification of sureties must be added.

The Contractor may at his option deposit with the said Comptroller in lieu of said bond cash equal in amount to the entire amount of the said bond. In case the Contractor shall deposit cash, the said deposit 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 said 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 out of the said deposit or out of the portion of the deposit remaining at the time.

Article Twenty-third—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 injuries to person or property and from all costs and expenses in suits which may be brought against the City on account of such injuries to person or property.

Article Twenty-fourth—The Contractor shall furnish and deliver the Special Work strictly in accordance with the requirements of the specifications and other provisions of this contract and strictly in accordance with the drawings; provided that if the Special Work as indicated upon the contract drawings shall be covered by letters patent or copyright issued by the United States or any foreign country, the Contractor must supply the Special Work either as indicated upon the contract drawings or equally good in all respects, as determined by the Engineer, and equally available for use in all respects, as determined by the Engineer, in connection with the other materials and supplies to be used in the track construction; but the Special Work shall in all cases as aforesaid conform strictly to the specifications. The decision of the Engineer upon any question arising under the foregoing provisions of this Article shall as aforesaid be final and conclusive upon the Contractor. The Contractor shall hold himself and shall be responsible for any claims made against the City for any infringement of patent right or copyrights by the use of patented or copyrighted articles in the performance or completion of the work or the supply of the Special Work or by the use of any process connected with the work agreed to be performed under this contract or the supply of the Special Work or by the use of any materials, machinery, tools or appliances used upon the said work or the supply of the Special Work, and he shall save 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 of patents or copyrights.

Article Twenty-fifth—The City shall not nor shall any department or officer thereof be precluded or estopped by any return or certificate made or given by the Commission, any Engineer or other officer, agent or appointee thereof under any provision of this contract from at any time either before or after the final completion and acceptance of the work and payment therefor pursuant to any such return or certificate showing the true and correct amount, quality and character of the work done and materials furnished by the Contractor or any other person under this 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 or the drawings; 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.

Article Twenty-sixth—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 Special Work to be furnished under this contract 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.

Article Twenty-seventh—The acceptance by the Contractor of the payment by the City 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 hereunder or the Special Work or for any act or neglect of the Commission, the City or of any person relating to or affecting the work hereunder or Special Work.

Article Twenty-eighth—All risk of loss or damage to the Special Work or to any part thereof during manufacture, preparation, transit or delivery 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 work hereunder and the supply of the Special Work shall be carried forward by him in accordance with his contract without additional cost to the City by reason of such loss or damage.

Article Twenty-ninth—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 consent or of his right, title or interest therein or any of the moneys to become due under this contract to any other person, company or corporation, this contract may at the option of the Commission be revoked and annulled and the City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor and to his assignee or transferee; and no right under this contract or to any money to become due hereunder shall be asserted against the City in law or in equity by reason of any so-called assignment of this contract or any part thereof or of any moneys to grow due hereunder unless authorized as aforesaid by the written consent of the Commission; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors made pursuant to the statutes of the State of New York.

Article Thirtieth—If the Contractor shall cause any part of this contract to be performed by a subcontractor, the provisions of this contract shall apply to such subcontractor and his officers, agents and employees in all respects as if he and they

*The amount of the bond shall be filled in here before the contract is executed. The bond shall be for an amount equal to ten per centum (10%) of the amount to be paid under the contract.

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 subcontractor, his officers, agents and employees as if they were employees of the Contractor. The employees of the subcontractor shall be subject to the same provisions hereof as employees of the Contractor; and the work or materials furnished by the subcontractor shall be subject to the provisions hereof as if furnished directly by the Contractor.

Article Thirty-first—In the event of delay in the completion of the delivery of the Special Work beyond the period herein prescribed for such delivery or beyond the date to which the time for such delivery may be extended by resolution of the Commission as aforesaid, the City shall 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 Special Work herein contracted for forms only a part of the construction of a rapid transit railroad and the tracks therefor, the remainder of which is to be constructed or provided 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 entire work to be done under this contract and supplying the Special Work the sum of twenty-five dollars ($25), 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 such amounts from any moneys due or to become due to the Contractor under this contract.

Article Thirty-second—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 thereof, or if the Special Work be not fully delivered within the time named in this contract for its delivery or within the time to which the delivery may be extended by the Commission, the Commission, in addition to all other rights and remedies, may

(1) Notify the Contractor, by a written notice, to discontinue all work or any part thereof under this contract, and thereupon the Contractor shall discontinue the work or such part thereof, and the Commission shall thereupon have the right to contract for the performance or completion of the work or such part thereof and for the supply and delivery of the Special Work or any 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, and to charge any expense incurred by the City for the purposes aforesaid or any of them to the Contractor. The expense so charged may be deducted and paid by the City out of such moneys as may be or grow due to the Contractor under and by virtue of this contract; and in case such expense shall exceed the amount which would have been payable for the same work and materials under this contract if this contract had been completed by the Contractor, he shall pay the amount of such excess, with interest, to the City; and in case such expense shall be less than the amount which would have been payable for the same work and materials under this contract if this contract 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, unless he shall have been directed to discontinue all work, continue the remainder of the work in conformity with the terms of this contract. And the Contractor shall also pay to the City as liquidated damages for any delay, resulting from his neglect, fault or default, in the completion of the delivery of said Special Work which the Contractor herein agrees to deliver the sum of twenty-five dollars ($25) 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

(2) The City may also proceed as to the Commission shall seem proper upon the bond or other security in its possession. And

(3) The City may also bring any suit or proceeding for specific performance or for injunction or to recover damages or to obtain any other relief or for any other purpose proper under this contract.

Article Thirty-third—In case the Commission shall by contract or otherwise perform or complete any work or complete or purchase the Special Work or any part thereof under the provisions of Article Thirty-second, the Engineer, upon the completion of such work or the completion or purchase of the Special Work or such part thereof or at any time thereafter upon demand in writing by either party hereto, shall certify to the amount of the expense incurred by the City in the performance or completion of such work or in the completion or purchase of the Special Work 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..

Article Thirty-fourth—Orders and directions may be given orally by the Engineer or his Inspector to, and shall be received and promptly obeyed by, the Contractor or his representative or the superintendent, overseer or foreman of the Contractor, who may have charge of the particular work in relation to which the orders or directions 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 representative shall be present at all times where any work under this contract is in progress to receive orders and directions from the Engineer or his Inspector.

Article Thirty-fifth—The Contractor hereby designates* 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 postpaid wrapper directed to the aforesaid place in any postoffice box regularly maintained by the Postoffice Department of any notice, direction 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.

Article Thirty-sixth—No claim shall be made by the Contractor against any member of the Commission personally under or by reason of this contract or any of its articles or provisions.

It witness whereof, the Public Service Commission for the First District, acting for and in 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 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.

State of New York, County of New York, ss.:

On the day of , 191 , 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 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 the seal 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.

State of New York, County of New York, ss.:

On the day of , 191 , 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 contract; that he knows the corporate seal of said corporation; 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 corporation, and that he signed his name thereto by like authority.

State of New York, County of New York, ss.:

On this day of 191 , before me personally came , to me known and known to me to be the individual described in and who executed the foregoing contract, and he duly acknowledged to me that he executed the same.

Approval by Corporation Counsel.

The foregoing agreement is hereby approved as to form.

Dated, New York, , 191

....., Corporation Counsel.

Bond—Contract for Special Work—Portions Nos. 5, 6, 12, 13, 14 and 16.

Know All Men by These Presents, That of hereinafter called the Contractor and hereinafter called the Sureties are held and firmly bound unto The City of New York, hereinafter called the City, in the sum of dollars ($), lawful money of the United States of America, to be paid to the City, for which payment well and truly to be made the Contractor and the Sureties do hereby bind themselves and their, and each of their, executors, administrators, successors and assigns firmly by these presents, as follows: The Contractor to be so held and bound for the full amount of the said sum of dollars ($), and each of the said Sureties to be so held and bound only for a portion of said sum as follows: The said for the sum of dollars ($); the said for the sum of dollars ($); the said for the sum of dollars ($); and the said for the sum of dollars ($).

In witness whereof the Contractor and the Sureties have hereunto set their hands and seals and such of them as are corporations have caused their respective seals to be hereto affixed and these presents to be attested by the proper officers, this day of , 191 .

Whereas the City by the Public Service Commission for the First District (hereinafter called the Commission) is about to enter into a contract with the Contractor bearing even date herewith for the furnishing and delivery of Special Work, Portions Nos. 5, 6, 12, 13, 14, 15 and 16, as more particularly described in the said contract; and

Whereas the City is about to enter into such contract with the Contractor upon the condition, and not otherwise, that this bond shall be given to the City, and upon the faith thereof.

Now, therefore, the condition of the foregoing obligation is such that if the Contractor shall faithfully perform all the conditions, covenants and requirements specified and provided for in said contract, then this obligation shall be null and void, but else it shall remain in full force and virtue.

It is expressly agreed between the City and the Sureties (and it is upon such agreement that the City accepts this bond) that the Sureties will and do waive any and every notice of default on the part of the Contractor; that they will and do permit the City to extend the time of the Contractor to do any act; that no omission on the part of the City to give any notice of extension of time granted by or on behalf of the City shall be availed of by the Sureties or any of them as a defense upon this bond; that the Sureties shall not set up or have any defense upon this bond by reason of any alteration of the said contract unless such alteration shall be represented by a formal written instrument duly executed between the City and the Contractor which shall have been duly authorized by a vote of the Commission; and that in case of such alteration, however made, the same shall be a defense to the Sureties only to the extent of the actual injury or damage caused to the Sureties by said alteration.

Proposal for the Supply of Special Work.

Note: There must remain annexed hereto:

Copy of Invitation to Bidders.

Copy of Form of Contract.

Copy of Form of Bond.

To the Public Service Commission for the First District:

(1) The undersigned*

do hereby, in pursuance of the Invitation to Bidders, a copy of which is annexed hereto and made a part hereof, propose according to the terms thereof to enter into a contract in the form annexed hereto and made a part hereof with The City of New York (hereinafter called the City), acting by the Public Service Commission for the First District (hereinafter called the Commission), for the supply of the Special Work Portions Nos. 5, 6, 12, 13, 14, 15 and 16, said portions being a part of the Broadway-Fourth Avenue Rapid Transit Railroad, and for the furnishing of all necessary labor, materials, plant, machinery, power, tools and appliances and for the performance of all the work mentioned in the said contract at the following prices for the several items, to wit:

Portion 5.

1 Special Double Housed Switch Point, No. 1, the sum of Dollars ($)

1 Special Double Housed Switch Point, No. 2, the sum of Dollars ($)

1 Crossing Frog (4 Frogs) the lump sum of Dollars ($)

1 No. 5 Double Housed Switch Point, the sum of Dollars ($)

1 No. 5, Single Housed Switch Point, the sum of Dollars ($)

2 No. 5, Rigid Frogs, the sum of Dollars ($) each

2 No. 6, Rigid Frogs, the sum of Dollars ($) each

3 Cast Iron Fillers for Insulated Joints with Bolts and Nuts, the sum of Dollars ($) each

Tie Plates X, the lump sum of Dollars ($)

Portion 6.

2 Crossing Frogs (4 Frogs), the lump sum of Dollars ($) each

2 Special Double Housed Switch Points, the sum of Dollars ($) each

1 Special Combination Housed Switch (4 Points Housed), the sum of Dollars ($)

1 Special Combination Housed Switch (2 Points Housed), the sum of Dollars ($)

2 Special Combination Rigid Frogs, the sum of Dollars ($) each

2 No. 4 Rigid Frogs, the sum of Dollars ($) each

4 No. 5 Rigid Frogs, the sum of Dollars ($) each

2 No. 6 Rigid Frogs, the sum of Dollars ($) each

2 No. 8 Rigid Frogs, the sum of Dollars ($) each

2 No. 6 Double Housed Switch Points, the sum of Dollars ($) each

2 No. 6 Single Housed Switch Points, the sum of Dollars ($) each

1 No. 8 Double Housed Switch Point, the sum of Dollars ($)

1 No. 8 Single Housed Switch Point, the sum of Dollars ($)

16 Cast Iron Fillers for Insulated Joints, with Bolts and Nuts, the sum of Dollars ($) each

Tie Plates X, the lump sum of Dollars ($)

*Here fill in the address given by the Contractor in his Proposal.

†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.

* The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given.

Portion 12.

1 No. 5 Double Housed Switch Point, the sum of Dollars ($)

1 No. 5 Single Housed Switch Point, the sum of Dollars ($)

2 No. 5 Rigid Frogs, the sum of Dollars ($) each

2 Cast Iron Fillers for Insulated Joints, with Bolts and Nuts, the sum of Dollars ($) each

Tie Plates X, the lump sum of Dollars ($)

Portion 13.

2 No. 6 Double Housed Switch Points, the sum of Dollars ($) each

2 No. 6 Single Housed Switch Points, the sum of Dollars ($) each

4 No. 6 Rigid Frogs, the sum of Dollars ($) each

2 No. 4 Rigid Frogs, the sum of Dollars ($) each

2 Special Double Housed Switch Points, the sum of Dollars ($) each

10 Cast Iron Fillers for Insulated Joints, with Bolts and Nuts, the sum of Dollars ($) each

Tie Plates X, the lump sum of Dollars ($)

Portion 14.

2 No. 5 Double Housed Switch Points, the sum of Dollars ($) each

2 No. 5 Single Housed Switch Points, the sum of Dollars ($) each

4 No. 5 Rigid Frogs, the sum of Dollars ($) each

5 Cast Iron Fillers for Insulated Joints, with Bolts and Nuts, the sum Dollars ($) each

Tie Plates X, the lump sum of Dollars ($)

Portion 15.

2 Crossing Frogs (4 Frogs each), the lump sum of Dollars ($) each

4 No. 6 Rigid Frogs, the sum of Dollars ($) each

2 No. 5 Rigid Frogs, the sum of Dollars ($) each

2 No. 5 Double Housed Switch, the sum of Dollars ($) each

2 No. 5 Single Housed Switch, the sum of Dollars ($) each

2 No. 6 Double Housed Switch, the sum of Dollars ($) each

2 No. 6 Single Housed Switch, the sum of Dollars ($) each

2 Cast Iron Fillers for Insulated Joints, with Bolts and Nuts, the sum of Dollars ($) each

Tie Plates X, the lump sum of Dollars ($)

Portion 16.

1 Crossing Frog (4 Frogs) the lump sum of Dollars ($)

4 No. 8 Rigid Frogs, the sum of Dollars ($) each

2 No. 8 Double Housed Switch Points, the sum of Dollars ($) each

2 No. 8 Single Housed Switch Points, the sum of Dollars ($) each

Tie Plates X, the lump sum of Dollars ($)

1,100 Hundredweight of Manganese Rail drilled with four Splice Bar Holes, the sum of Dollars ($) per cwt.

1,000 Separator and bond holes in the above rail, the sum of Dollars ($) per hole.

The undersigned will complete the delivery of the Special Work mentioned in the said contract within ( ) days, exclusive of Sundays and legal holidays, from the date of the delivery of the contract.

(2) If this Proposal is accepted and the proposed contract consented to by the Board of Estimate and Apportionment of the City, the undersigned will within three (3) days after delivery of notice attend at the office of the Commission, in person or by duly authorized representative, and will then and there deliver the contract with the City in the form aforesaid duly executed and with its execution duly proved and at the same time will deliver to the Comptroller of the City pursuant to the terms of the said contract either a bond in the form annexed hereto and made a part hereof with two or more sureties approved by the Commission or cash in a sum equal to ten per centum (10%) of the amount to be paid under the contract.

(3) If the Commission shall notify the undersigned that this Proposal is accepted and that the proposed contract is consented to by the said Board of Estimate and Apportionment, then if the undersigned shall fail within three (3) days thereafter or within such further period, if any, as may be prescribed by the Commission to execute and deliver the contract or to execute and deliver the said bond or make the said deposit in cash, the undersigned may at the option of the Commission be deemed either to have made the contract or to have abandoned the contract. And in the latter case the Commission may give notice thereof to the undersigned and may thereupon proceed to make another contract with such, if any, of the original bidders as in the opinion of the Commission it will be to the best interests of the City to contract with or may, by new advertisement, invite further proposals, and the undersigned shall thereupon be liable to the City for all loss and damage sustained by the City by reason of such failure of the undersigned, including the excess, if any, of the amount the City shall pay any other contractor over the amount of the bid of the undersigned. And the Invitation to Bidders and this Proposal shall constitute a contract binding the undersigned to pay to the City the loss and damage sustained by the City by reason of such failure of the undersigned, as aforesaid.

(4) At the time of delivering this Proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of the City for the sum of two thousand dollars ($2,000). And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check as security for the performance of the obligations of the undersigned under this Proposal. It is understood that such check is to be returned to the undersigned when the said contract for the supply of said Special Work is executed and delivered and its provisions in respect of the bond or deposit are complied with, unless all the proposals submitted in response to said Invitation to Bidders are rejected by the Commission, and in that case when such proposals are rejected, as provided in the Invitation to Bidders. In case the undersigned shall default in the performance of any of the obligations of the undersigned under this Proposal, the City shall have the right to apply the amount so specially deposited or so much thereof as may be necessary as a payment on account of the damages sustained by the City by reason of such default as aforesaid and shall return the balance, if any, to the undersigned. If the amount of such damages shall exceed the amount of said sum so specially deposited, the undersigned shall promptly upon demand from the Commission pay the amount of such excess to the City.

(5) A notice that this Proposal has been accepted and that the said contract has been consented to by the Board of Estimate and Apportionment addressed to the undersigned by the Commission as aforesaid shall forthwith at the option of the Commission operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid with the blanks therein contained filled in according to this Proposal.

(6) The Commission may cause any notice intended for the undersigned to be delivered at* or mailed to the undersigned at such address. Such delivery or mailing shall be sufficient notice to the undersigned as of the date of delivery or mailing.

(7) There are no persons interested with the undersigned in this Proposal, except†

(8) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein or other officer of the City or any member or employee of the Commission is interested directly or indirectly, as contracting party, partner, stockholder or otherwise, in or in the performance of the contract or in the supplies, work or business to which it relates or in any portion of the profits thereof.

Dated‡ , 191 .

State of , County of , ss.:

being duly sworn, says: I am§ the proposing contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this day of , 191

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, August 25, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On August 25th, 1914, the Public Service Commission for the First District transmitted for consent of this Board a proposed contract to be entered into between The City of New York and the Pennsylvania Steel Company for the supply of special work for the Fourth Avenue subway, Brooklyn, designated as "Portions 5, 6, 12, 13, 14, 15 and 16," at an estimated cost of $37,426.50.

The Commission has requested this Board to prescribe the limit of $37,426.50 to be made available to meet the requirements of the proposed contract, 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 this Board on March 18, 1913, for the purpose of carrying out the terms of Contract No. 4.

This work has been awarded to the lowest bidder among four competitors.

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.

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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 August 25, 1914, 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 Public Service Commission for the First District and the Pennsylvania Steel Company, for the following purposes:

For the furnishing of special work designated as "Portions 5, 6, 12, 13, 14, 15 and 16," for use in the Fourth Avenue Subway, Brooklyn, at an estimated cost of thirty-seven thousand four hundred and twenty-six dollars and fifty cents ($37,426.50), 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 thirty-seven thousand four hundred twenty-six dollars and fifty cents ($37,426.50), and be it further

Resolved, That the Comptroller be and he is hereby authorized and directed to issue corporate stock of The City of New York to the amount of thirty-seven thousand four hundred twenty-six dollars and fifty cents ($37,426.50), at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds to the amount of the par value thereof to be applied to the purposes of contract with the Pennsylvania Steel Company as mentioned in a communication of the Public Service Commission for the First District to this Board dated August 25, 1914, 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 contract dated March 19, 1913, known as Contract No. 4.

Which was adopted by the following vote:

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

President, Borough of Richmond—Transfer of Appropriation and Modification of Schedules (Cal. No. 88).

The Secretary presented a report of the Comptroller referring to the request of the President of the Borough of Richmond for the modification of Temporary Wage Schedules Nos. 768 and 769 for the year 1914, involving a transfer of $125, and recommending that the request be denied for the reason that its necessity is not urgent.

(On October 2, 1914 (Cal. No. 27), this matter was laid over for one week.)

Which was laid over for one week (October 16, 1914).

Board of Estimate and Apportionment—Establishment of Various Grades of Positions (Cal. No. 89).

The Secretary presented a communication, dated September 26, 1914, from the Comptroller, calling the attention of the Board to the fact that the salaries of a number of employees appointed in Bureaus and Committees of the Board have not been established in accordance with section 56 of the Greater New York Charter and submitting list of such positions.

The Comptroller recommends, in view of the situation outlined in said report, that the salaries for the positions enumerated be fixed in accordance with said section of the Charter.

While all of these positions are of a temporary nature, the Comptroller requests that the Board pass judgment upon this matter, inasmuch as the question has been raised whether or not section 56 of the Charter applies to temporary as well as permanent employees.

(On October 2, 1914 (Cal. No. 55), this matter was laid over for one week.)

Which was referred to the Corporation Counsel for an opinion on the question of temporary appointments.

Department of Bridges—Issue of Corporate Stock (Cal. No. 90).

The Secretary presented a report of the Committee on Corporate Stock Budget referring to the request of the Commissioner of Bridges for an authorization of $175,000 corporate stock for repaving, and for making structural and approach changes, and laying tracks upon the Willis Avenue Bridge to provide facilities for the operation over the bridge of the cars of the Union Railway Company, for which a franchise has recently been granted.

(On July 30, 1914 (Cal. No. 238), a communication from the Commissioner of Bridges submitting departmental estimate of corporate stock requirements for the year 1914, including the above item, was referred to said Committee.)

(On September 21, 1914, the above report was laid over until September 25, 1914, and on the latter date (Cal. No. 70) until October 2, 1914.)

(On October 2, 1914 (Cal. No. 59), this matter was laid over for one week.)

Which was laid over for two weeks (October 23, 1914).

Department of Parks, Borough of Brooklyn—Approval of Proposed Contract Between The City of New York, the Nassau Electric Railroad Company and the Coney Island and Brooklyn Railroad Company, Relative to the Liability for the Expense of Relocating the Railroad Tracks on the 15th Street and 9th Avenue Plaza of Prospect Park, Brooklyn (Cal. No. 91).

The Secretary presented a report of the Committee on Corporate Stock Budget

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*Here fill in the address at or to which notices may be delivered or mailed.

†Here insert the names and addresses of all persons interested with the bidder. If there are no such persons, strike out the word "except."

‡The bidder must sign his proposal on this page.

§If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of "; if a corporation, say, "the (President or other officer duly authorized) of the Company."

referring to the communication from the Commissioner of Parks, Borough of Brooklyn, transmitting for the approval of the Board a proposed contract between the City of New York, the Nassau Electric Railroad Company and the Coney Island and Brooklyn Railroad Company relative to the liability for the expense of relocating the railroad tracks on the 15th Street and 9th Avenue Plaza of Prospect Park, Brooklyn.

The report states that an examination of the proposed contract shows that one of its provisions is that the City agrees to join in an action and co-operate in any effort to have the question determined by the Supreme Court as to whether or not the City is liable for the cost and expense incident to said removal, and another, that the removal of the tracks is for the sole benefit and use of the City and in no way inures to the benefit or gain of the railroad company, etc.

In view of the foregoing provisions the Committee recommends that the agreement in its present form be disapproved, and submits for adoption a resolution carrying this recommendation into effect.

(On April 24, 1914 (Cal. No. 38), the above matter was referred to the Committee.)

(On July 9 and 30, August 27, September 21 and October 2, 1914 (Cal. No. 61), this matter was laid over; on the latter date until this meeting.)

Which was laid over for two weeks (October 23, 1914).

Amending the Proceeding for Acquiring Title to Union Street from New York Avenue to Rochester Avenue, and from Ralph Avenue to East New York Avenue, by Excluding the Block Between Kingston Avenue and Albany Avenue, Borough of Brooklyn (Cal. No. 92).

The Secretary presented a communication from the President of the Borough of Brooklyn, dated June 19, 1914, transmitting a communication from Mr. Manasseh Miller, dated May 19, 1914, with reference to the partial discontinuance of proceedings to widen Union Street; and a report thereon by the Chief Engineer of the Board, dated September 18, 1914.

(On September 25, 1914 (Cal. No. 32), this matter was laid over for two weeks.)

On motion, the matter was laid over for two weeks (October 23, 1914).

Petition for Relief from Assessment in the Matter of the Proceeding for Acquiring Title to Avenue D, Between Flatbush Avenue and Rogers Avenue, Borough of Brooklyn (Cal. No. 93).

(On July 30, 1914 (Cal. No. 108), this matter was laid over until August 27, 1914, and referred to the Committee on Assessments in the meantime, and Mr. Haskell was requested to furnish said Committee with a statement of facts in reference to his objections to the denial of the petition.)

The Secretary presented a report of the Chief Engineer of the Board on the petition of Robert H. Haskell, Esq., dated June 22, 1914, on behalf of a large number of property owners requesting relief from assessment in this matter; also a communication from Robert H. Haskell, dated September 23, 1914, transmitting a communication addressed to him by John M. Zurn, one of the Commissioners in the proceeding, stating that in his opinion the property owners are entitled to further relief, and that if it were within the legal power of the commissioners to grant such relief he would have been heartily in favor of the same.

(On August 21, September 21 and October 2, 1914 (Cal. No. 63), this matter was laid over; on the latter date until this meeting.)

The Secretary also presented a report of the Committee on Assessments, dated October 3, 1914, referring to the above petition and recommending that it be denied for the reasons set forth in said report.

Messrs. Robert H. Haskell and Henry A. Meyer appeared in support of the petition.

On motion, the matter was laid over for one week (October 16, 1914), and referred back to the Committee on Assessments for a supplemental report.

Amending the Proceeding for Acquiring Title to Atlantic Avenue, from the Brooklyn Borough Line to Van Wyck Avenue, by Excluding the Section Between Frost Avenue and Van Wyck Avenue, Borough of Queens (Cal. No. 94).

(On July 20, 1914 (Cal. No. 264), the Board, on the recommendation of the Chief Engineer, adopted a resolution fixing September 25, 1914, as the date for a public hearing in this matter.)

(On September 25, 1914 (Cal. No. 8), there was presented a communication from the Corporation Counsel, dated August 26, 1914, stating that in the absence of any information as to the value of the property acquired, he is unable at the present time to estimate the extent of the liability which the City would incur under section 1000 of the Charter by reason of the discontinuance of Atlantic Avenue, between Frost and Van Wyck Avenues, and that the expense incurred up to that date for this section of the street aggregates $265.79. He also states that a claim has been filed by one owner, but that the amount of it is not stated.)

(On September 25, 1914 (Cal. No. 8), at the close of the public hearing on this matter it was laid over for two weeks.)

On motion, the matter was laid over for two weeks (October 23, 1914), to give the property owners an opportunity to comply with the recommendations contained in the report of the Chief Engineer of the Board.

Amending the District of Assessment in the Proceeding for Acquiring Title to Archer Street from Van Wyck Avenue to Ezra Street, Borough of Queens (Cal. No. 95).

(On September 25, 1914 (Cal. No. 69), this matter was laid over for two weeks and referred to the Committee on Assessments for report in the meantime.)

The Secretary presented a report of the Chief Engineer of the Board dated September 17, 1914, relative to amending the district of assessment in this proceeding.

Mr. John Adikes appeared and requested a hearing before the Committee on Assessments.

On motion, the matter was laid over for three weeks (October 30, 1914).

Sewers in Liberty Avenue from Chestnut Street to Greenwood Avenue, and in Greenwood Avenue from Liberty Avenue to Kimball Avenue, Borough of Queens (Cal. No. 96).

(On September 25 and October 2, 1914 (Cal. No. 67), this matter was laid over; on the latter date until this meeting.)

The Secretary presented a resolution adopted on September 23, 1913, by the Local Board of the Jamaica District, Borough of Queens, initiating proceedings for this improvement; and the following report of the Chief Engineer of the Board:

Report No. 13998. September 19th, 1914.

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 Jamaica District, Borough of Queens, adopted on September 23rd, 1913, initiating proceedings for constructing sewers in the following streets: Liberty Avenue from Chestnut Street to Greenwood Avenue; Greenwood Avenue from Liberty Avenue to Kimball Avenue. Title to Liberty Avenue has been legally acquired.

Greenwood Avenue has been laid out to have a width of 100 feet but has not been made the subject of a formal opening proceeding; information is presented with the papers showing that the Corporation Counsel has advised that the street is dedicated to public use for a width of 50 feet, the dedication being located on the easterly side.

The resolution affects one short block of Liberty Avenue and one long block of Greenwood Avenue, aggregating about 600 feet. The streets are in use and the property abutting on Greenwood Avenue is slightly improved. The outlet sewer is built.

The area within the lines of Greenwood Avenue in which ownership has been established to be in the City would be adequate to permit of constructing a sewer, but it should be noted that while the approved drainage plan requires that this shall be built along the center of the mapped street, under the conditions noted it would probably be given a position approximately in the center of the existing highway. It appears, therefore, that if the sewer is authorized at this time some hardship will result to the owners of the property abutting on the westerly side through the increased cost of installing house connecting drains when the street is widened.

As laid out on the final maps and as shown on the tentative plan of the vicinity, Greenwood Avenue is given a position and width such as to lead to the belief that it will ultimately become an important artery for traffic seeking the Jamaica Bay waterfront. Under these circumstances it would seem advisable before carrying out this improvement to institute a proceeding for acquiring title to such land as is needed for the widening of the existing highway.

Partly because the Greenwood Avenue sewer under existing conditions cannot be built in its legal position, and partly to prevent encouraging development along the present restricted lines of the street, I would recommend that the resolution be referred back to the Local Board with the suggestion that the portion of the improvement relating to Greenwood Avenue be deferred until provision has been made for acquiring such land as it needed to permit of regulating the street in accordance with its mapped lines. Respectfully, NELSON P. LEWIS, Chief Engineer.

On motion, the matter was referred back to the Local Board of the Jamaica District, Borough of Queens.

Repaving Flushing Avenue from the Kings County Line to Grand Street, Borough of Queens (Cal. No. 97).

(On September 25 and October 2, 1914 (Cal. No. 70), this matter was laid over; on the latter date until this meeting.)

The Secretary presented a resolution adopted on March 15, 1912, by the Local Board of the Newtown District, Borough of Queens, initiating proceedings for this improvement; and the following report of the Chief Engineer of the Board:

Report No. 13314. September 15th, 1914.

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 Newtown District, Borough of Queens, adopted on March 15th, 1912, initiating proceedings for repaving with the existing granite blocks Flushing Avenue from the Kings County Line to Grand Street. This resolution was adopted prior to the enactment of the new repaving law and the Local Board therefore does not specify the class of the proposed pavement. It would accordingly be impossible to approve the resolution in its present form but this is not the only objection to favorable consideration.

Flushing Avenue has been given a width of 80 feet excepting in the part block between the Borough Line and Onderdonk Avenue where the width has been fixed at 70 feet for the evident purpose of harmonizing with the layout provided in the Borough of Brooklyn. From Grand Street to the Bushwick Branch of the Long Island Railroad title has been legally acquired to a strip 60 feet wide located on the southerly side of the street. From the latter point to the Borough Line the public ownership is confined to the land within the limits of the existing highway, this having an irregular alignment such as to necessitate the acquisition of land on both sides to bring the street into conformity with the City Plan.

The old street has been paved with granite block and the frontage on each side is partially built up. The gas main is lacking, and the water main and sewer are only partially provided. The street is important as an interborough thoroughfare and the improvement is evidently desired to meet the needs of the large amount of traffic to and from the Maspeth district. For the purpose of curtailing the expense it is proposed to reset the existing paving blocks without installing a concrete foundation. It should be noted that the street is occupied by a double track trolley railroad, and that a little over one-half of the work falls within the area for which the railroad is responsible under its franchise and would be called upon to repave at its own expense.

From papers submitted with the resolution it appears that the existing paving was paid for by bond issues, none of which matured until many years after consolidation with the City while most of them have yet a few years to run, so that the work now contemplated undoubtedly constitutes an original improvement, the expense of which can properly be assessed against the frontages. In my judgment, however, any further improvements in Flushing Avenue should be deferred until title to the full street width has been legally acquired, otherwise further development of the abutting property along the present restricted lines will undoubtedly be encouraged with the result of later making the acquisition of the land needed for the widening of the existing highway too expensive to be practicable.

I would therefore recommend that the resolution be disapproved and that the improvement be deferred until title to the street has been acquired for its full width as mapped, until the street has been regulated in accordance with the established lines, and until all of the subsurface structures have been completed. It would seem likely that when these conditions have been complied with, the carrying out of a more substantial improvement than now proposed might be more suitable to the actual needs.

Respectfully, NELSON P. LEWIS, Chief Engineer.

On motion, the matter was referred back to the Local Board of the Newtown District, Borough of Queens.

MATTERS CONSIDERED BY UNANIMOUS CONSENT.

The following matters not on the Calendar for this day were considered by unanimous consent:

Harris, Rose Construction Corporation (No. 98).

Consent to install, maintain and use a narrow gauge railroad track across Boston Road at its intersection with East 222d Street, Borough of The Bronx, for the purpose of conveying excavated material between Boston Road and Arnow Avenue, under contract with the City.

The President of the Borough of The Bronx presented the following:

Harris, Rose Construction Corporation, 319 Pearl St., New York, October 8, 1914.

Board of Estimate and Apportionment:

Gentlemen—We, the undersigned, have the contract for regulating and grading East 222d Street, from Bronxwood Avenue to Arnow Avenue, Borough of The Bronx. We ask your permission to cross Boston Road, for a period not to exceed four weeks, with a narrow gauge railroad track of forty pound rails, for the purpose of moving material, approximately 20,000 yards, from the west side of Boston Road to the east side of our dump near Arnow Avenue.

Yours very respectfully, MARK W. HARRIS, President.

Bureau of Franchises, October 9, 1914.

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

Sir—The Harris, Rose Construction Corporation, incorporated in the State of New York, has presented a petition dated October 8, 1914, to the Board of Estimate and Apportionment for permission to install, maintain and operate a narrow gauge railroad track across and on the surface of Boston Road at its intersection with East 222d Street, Borough of The Bronx.

The petition states that the track is desired for the purpose of conveying approximately 20,000 cubic yards of material from the westerly side of Boston Road to the easterly side thereof, in order to fill in East 222d Street under a regulating and grading contract between the petitioner and the City.

In connection with this petition a communication was received from the Commissioner of Public Works, Borough of The Bronx, stating there is no objection to the granting of the requested permission, provided the track be installed in such manner as not to disturb the existing pavement, that planks be provided so as to afford a proper crossing for traffic, and that red lights be displayed at night at the crossing. The communication adds that the bid on which the contract was received by the petitioner was about $2,500 lower than the next higher bidder, and the installation of the track will result in a more rapid completion of the work, to the advantage of the City.

It was found that the City has a water main in Boston Road, and a provision has been incorporated in the form of resolution granting consent that the grantee shall protect the City main under the supervision and to the satisfaction of the Commissioner of Water Supply, Gas and Electricity.

The President of the Borough of The Bronx has informed me that he desires to present this matter to the Board at the meeting of October 9, for unanimous favorable action, and in view of the favorable recommendation from the office of the Borough President, the customary form of resolution granting consent is herewith submitted.

The petitioner has stated that in all probability the work for which the track is desired will be completed within four weeks from the date of its installation.

The resolution provides that the consent shall continue only during the pleasure of the Board and shall be revocable upon ten days' notice, but in no case shall it extend beyond April 1, 1915, such time being allowed in view of the approaching winter season, although it is anticipated that the work will be completed before December 1, 1914, and that security in the sum of $500 be required, such sum to be in the form of either cash or securities, to be approved by and deposited with the Comptroller for the faithful performance of the terms and conditions of the consent.

At the rate heretofore used by the Board for private tracks in the City streets—

viz., 4 per cent. of the assessed valuation of the area of street occupied—the charge would be less than the minimum of $100. The compensation for the privilege should therefore be the sum of $100, and it is provided that such sum be paid into the City treasury within ten days of the approval of the consent by the Mayor.

A resolution granting consent is herewith submitted.

Respectfully, JOHN A. McCOLLUM, Acting Chief of Bureau.

The following was offered:

Whereas, The Harris, Rose Construction Corporation has presented a petition dated October 8, 1914, to the Board of Estimate and Aportionment for permission to install, maintain and operate a narrow gauge railroad track across and on the surface of Boston Road at its intersection with East 222nd Street, in the Borough of The Bronx, for the purpose of conveying excavated material across Boston Road in order to fill in East 222nd Street under contract with the City; now, therefore, be it

Resolved, That the consent of the Corporation of The City of New York be and the same is hereby given to the Harris, Rose Construction Corporation to install, maintain and operate a narrow gauge railroad track across and on the surface of Boston Road at its intersection with East 222nd Street, in the Borough of The Bronx, for the purpose of conveying excavated material across the said Boston Road in order to fill in East 222nd Street between Boston Road and Arnow Avenue, under contract with the City, and for no other purpose; the said track to be located as shown on the plan accompanying the petition and entitled:

"Plan showing proposed tracks across Boston Road at E. 222nd St. to accompany petition of Harris-Rose Construction Co., dated Oct. 8th, 1914, to the Board of Estimate and Apportionment."

—and signed Mark M. Harris, President, a copy of which is attached hereto and made a part hereof upon the following terms and conditions:

1. This consent shall continue only during the pleasure of the Board of Estimate and Apportionment and shall be revocable upon ten (10) days' notice in writing to the said grantee, but in no case shall it extend beyond April 1, 1915, and thereupon all rights of the said grantee in or upon said street, by virtue of this consent, shall cease and determine.

2. The grantee shall pay into the treasury of The City of New York, as compensation for the privilege hereby granted, the sum of One hundred dollars ($100). Such payment shall be made within ten (10) days of the approval of this consent by the Mayor.

Such payment shall not be considered in any manner in the nature of a tax, but shall be in addition to any and all taxes of whatsoever kind or description now or hereafter required to be paid under any ordinance of The City of New York, or by any law of the State of New York.

3. Upon completing the filling in of E. 222nd St. east of Boston Road or upon the revocation or termination by limitation of this consent, the grantee shall cause the structure hereby authorized to be removed and all of said street affected by this permission to be restored to its proper and original condition, if required so to do by The City of New York or its duly authorized representatives, and the entire cost of such work shall be borne by the said grantee. If the structure hereby authorized shall not be required to be removed, it is agreed that it shall become the property of The City of New York.

4. This consent is for the exclusive use of the grantee and shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall title thereto, or right, interest or property therein pass to or vest in any other person, firm or corporation whatsoever, either by the acts of the grantee or by operation of law, without the consent in writing of The City of New York, acting by the Board of Estimate and Apportionment.

5. The grantee shall pay the entire cost of all work, labor and material in connection with the structure hereby authorized, and particularly

(a) Its construction, maintenance and removal.

(b) The protection of all structures which shall in any way be disturbed by its construction or removal.

(c) All changes in sewers or other subsurface structures necessitated by its construction or removal, including the laying or relaying of pipes, conduits, sewers or other structures.

(d) The replacing or restoring of the pavement in said street which may be disturbed during its construction or removal.

(e) Each and every item of the increased cost of the installation of any future structures or repairs or alterations to any existing or future structures caused by its presence in the street.

(f) The inspection of all work during its construction or removal as herein provided, which may be required by the President of the Borough and the Commissioner of Water Supply, Gas and Electricity.

6. Before the construction or removal shall be begun, the grantee shall obtain permits to do the work from the President of the Borough and from the Commissioner of Water Supply, Gas and Electricity. The grantee shall perform all the duties which may be imposed by those officials as conditions of such permits, provided such conditions are not inconsistent with the provisions of this consent. The grantee shall submit to those officials working plans which shall include and show in detail the method of construction of the track and the mode of protection or changes in all subsurface structures required by the construction of the track.

The grantee shall, if so directed by the Commissioner of Water Supply, Gas and Electricity, protect the City water main in Boston Road in such manner as the said official may prescribe, the materials to be furnished and the work to be done under the supervision and to the satisfaction of the said official.

7. The track shall be constructed and operated in the latest improved manner of railroad construction and operation and solely upon the terms and according to the lines and surveys to be approved by the President of the Borough. Planks shall be laid alongside of and between the rails of the track so as to afford a safe and proper crossing for vehicles and pedestrians, or the top of rails shall be laid flush with the surface of the roadway, and the grade of the roadway shall be altered and drainage provided, all as shall be directed and approved by the President of the Borough. The character of the rails and other parts of the construction shall also be approved by the said official, and the track shall be maintained in good condition by the said grantee throughout the term of this consent.

Soft coal shall not be used in the engines operating on the said track.

In the event of the City desiring to make repairs to existing substructures or to construct new substructures in the said street, the grantee shall, at its own expense, protect or move the said track and appurtenances in such manner as may be directed by the City officials having jurisdiction over such work, and so as to avoid interference with the work of repairing or installing the said substructures.

8. Said track shall be constructed, maintained and operated subject to the supervision and control of the proper authorities of The City of New York who have jurisdiction in such matters under the Charter of The City of New York.

9. The grantee shall at all times keep the entire street between the rails of the track and for a distance of two feet beyond the rails on either side thereof free and clear from ice and snow.

10. Said grantee shall pave and keep in permanent repair the portion of the surface of the street between the rails of the track and for a distance of two feet on either side thereof, under the supervision of the proper local authorities and whenever required by them to do so, and in such manner as they may prescribe, and The City of New York shall have the right to change the material or character of the pavement of the street, and in that event the grantee shall be bound to replace the existing pavement between the rails of the track and for a distance of two feet on either side thereof with such changed or altered pavement and in the manner directed by the proper City officials, at its own expense, and the provisions as to repairs herein contained shall apply to such changed or altered pavement.

11. This consent is subject to whatever right, title or interest the owners of abutting property or others may have in and to said street.

12. Said grantee shall be liable for all damages to persons or property, including the street and subsurface structures therein, by reason of the construction, operation or maintenance of said track, and it is made a condition of this consent that The City of New York assumes no liability to either persons or property on account of this consent.

The grantee shall station a flagman constantly day and night at the said track where it crosses Boston Road, and shall in addition provide red lights at the said track during the night time.

13. This consent is granted upon the further and express condition that the provisions of the Railroad Law applicable thereto and all laws or ordinances now in force or which may hereafter be adopted shall be strictly complied with.

14. This consent is upon the express condition that within ten (10) days after its approval by the Mayor, and before anything is done in exercise of the rights conferred hereby, the grantee shall deposit with the Comptroller of The City of New York the sum of Five hundred dollars ($500), either in money or in securities to be approved by him, which fund shall be security for the performance of the terms and conditions of this consent, especially those which relate to the payment of the annual charge, the repairs of the street pavement and the removal of the structure hereby authorized. In case of default in the performance by said grantee of any of such terms and conditions, The City of New York shall have the right to cause the work to be done and the materials to be furnished for making the necessary changes or repairs, after ten (10) days' notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings, or, in case of default in the payment of the annual charge, shall collect the same, with interest, from such fund after ten (10) days' notice in writing to the said grantee.

In case of any drafts so made upon the security fund, the said grantee shall, upon thirty (30) days' notice in writing, pay to the Comptroller of The City of New York a sum of money sufficient to restore the said fund to the original amount of Five hundred dollars ($500), and in default of the payment thereof, the consent hereby given may be cancelled and annulled, at the option of the Board of Estimate and Apportionment of The City of New York, acting on behalf of said City. No action or proceeding or rights under the provisions of this section shall affect any other legal rights, remedies or causes of action belonging to The City of New York.

15. Said grantee shall give notice in writing to the President of the Borough and to the Commissioner of Water Supply, Gas and Electricity of its intention to begin the work hereby authorized at least forty-eight (48) hours before such work commences. The grantee shall also give to the Board of Estimate and Apportionment notice in writing of the date on which the work is commenced and also the date on which the work is completed not later than ten (10) days after such dates.

16. The said grantee shall commence the construction of the structure hereby authorized and complete the same on or before November 1, 1914, otherwise this consent shall be forfeited forthwith and without any proceedings, either at law or otherwise, for that purpose; provided, however, that such time may be extended by the Board of Estimate and Apportionment.

17. This consent shall be null and void unless said grantee shall duly execute an instrument in writing, wherein said grantee shall accept this consent and shall promise, covenant and agree to conform to, abide by and perform all the terms, conditions and requirements in this consent fixed and contained, and file said instrument with the Board of Estimate and Apportionment of The City of New York within ten (10) days after the approval of this consent by the Mayor; provided, however, that such time may be extended by the Board of Estimate and Apportionment.

And said grantee shall promise, covenant and agree in said instrument to hold The City of New York harmless from all damages to persons or property which may result from the construction, use, maintenance or operation of the structure hereby authorized.

Which was adopted by the following vote:

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

Amending the Resolutions Granting Preliminary and Final Authorization for Grading, Regrading, Curbing, Recurbing, Flagging and Reflagging the Service Street Located on the Easterly Side of Riverside Drive from a Point About 400 Feet South of West 181st Street to a Point About 550 Feet North of West 181st Street; West 181st Street from Northern Avenue to Riverside Drive; Haven Avenue from West 180th Street to West 181st Street; and Northern Avenue from a Point About 100 Feet South of West 181st Street to a Point About 84 Feet North of West 181st Street, Borough of Manhattan (No. 99).

The Secretary presented a resolution adopted on March 31, 1914, by the Local Board of the Washington Heights District, Borough of Manhattan, initiating proceedings for this improvement; and the the following report of the Chief Engineer of the Board:

Report No. 14053. October 9, 1914.

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 August 27, 1914, and in accordance with a resolution of the Local Board of the Washington Heights District, Borough of Manhattan, adopted on March 31st previous, both preliminary and final authorization was granted in the matter of grading, regrading, curbing, recurbing, flagging and reflagging the following streets: Service Street, located on the easterly side of Riverside Drive, from a point about 400 feet south of West 181st Street to a point about 550 feet north of West 181st Street; West 181st Street, from Northern Avenue to Riverside Drive; Haven Avenue, from West 180th Street to West 181st Street; Northern Avenue, from a point about 100 feet south of West 181st Street to a point about 84 feet north of West 181st Street.

The work was estimated to cost $61,000, and the assessed valuation of the property to be benefited was stated to be $500,000.

On October 6th last and for the purpose of more accurately defining the section of the Service Street to which the improvement was intended to relate, the Local Board amended its resolution of March 31st under which the proceeding was originally initiated, and it is desired that the resolutions under which the construction was authorized by the Board of Estimate and Apportionment be correspondingly modified. The change does not involve any modification either in the estimated cost of the improvement or in the value of the property deemed to be benefited thereby.

In my judgment the action desired can properly be taken by the Board and, in order to conform with the later Local Board resolution, I would recommend that the resolutions of August 27, 1914, under which preliminary and final authorization was granted for this improvement, be amended in such a way as to provide for grading, regrading, curbing, recurbing, flagging and reflagging West 181st Street, Haven Avenue and Northern Avenue between the limits originally proposed, but in the case of the Service Street from a point about 275 feet south of West 181st Street to a point about 585 feet north of West 181st Street.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Estimate and Apportionment of The City of New York on August 27, 1914, granting preliminary authorization for regulating, re-regulating, grading, regrading, curbing, recurbing, flagging and reflagging the service street on the easterly side of Riverside Drive, from West 181st Street to a point about 550 feet northerly thereof; the Service Street on the easterly side of Riverside Drive from West 181st Street to a point about 400 feet southerly thereof; West 181st Street from the easterly side of Northern Avenue to Riverside Drive; Haven Avenue from West 180th Street to West 181st Street; and Northern Avenue, from a point about 100 feet south to a point about 84 feet north of West 181st Street, and in connection therewith the construction of all necessary retaining walls, fences, guard rails, sewer changes and all other necessary work incidental thereto—be and the same hereby is amended so as to provide for grading, regrading, curbing, recurbing, flagging and reflagging West 181st Street, Haven Avenue and Northern Avenue between the limits originally proposed, but in the case of the Service Street from a point about 275 feet south of West 181st Street to a point about 585 feet north of West 181st Street, the amended resolution to read as follows:

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 6th day of October, 1914, and approved by the President of the Borough of Manhattan on the 7th day of October, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To regulate, re-regulate, grade, regrade, curb, recurb, flag and reflag the service street on the easterly side of Riverside Drive from West 181st Street to a point about 585 feet northerly thereof; the service street on the easterly side of Riverside Drive from West 181st Street to a point about 275 feet southerly thereof; West 181st Street from the easterly side of Northern Avenue to Riverside Drive; Haven Avenue from West 180th Street to West 181st Street, and Northern Avenue from a point about 100 feet south to a point about 84 feet north of West 181st Street, and in connection therewith the construction of all necessary retaining walls, fences, guard rails, sewer changes and 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Estimate and Apportionment of The City of New York on August 27, 1914, granting final authorization for regulating, re-regulating, grading, regrading, curbing, recurbing, flagging and reflagging the service street on the easterly side of Riverside Drive, from West 181st Street to a point about 550 feet northerly thereof; the Service Street on the easterly side of Riverside Drive from West 181st Street to a point about 400 feet southerly thereof; West 181st Street from the easterly side of Northern Avenue to Riverside Drive; Haven Avenue from West 180th Street to West 181st Street; and Northern Avenue, from a point about 100 feet south to a point about 84 feet north of West 181st Street, and in connection therewith the construction of all necessary retaining walls, fences, guard rails, sewer changes and all other necessary work incidental thereto—be and the same hereby is amended so as to provide for grading, regrading, curbing, recurbing, flagging and reflagging West 181st Street, Haven Avenue and Northern Avenue between the limits originally proposed, but in the case of the Service Street from a point about 275 feet south of West 181st Street to a point about 585 feet north of West 181st Street, the amended resolution to read as follows:

A copy of a resolution of the Local Board of the Washington Heights District, duly adopted by said Board on the 6th day of October, 1914, and approved by the President of the Borough of Manhattan on the 7th day of October, 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:

"To regulate, re-regulate, grade, regrade, curb, recurb, flag and reflag the service street on the easterly side of Riverside Drive from West 181st Street to a point about 585 feet northerly thereof; the service street on the easterly side of Riverside Drive from West 181st Street to a point about 275 feet southerly thereof; West 181st Street from the easterly side of Northern Avenue to Riverside Drive; Haven Avenue from West 180th Street to West 181st Street, and Northern Avenue from a point about 100 feet south to a point about 84 feet north of West 181st Street, and in connection therewith the construction of all necessary retaining walls, fences, guard rails, sewer changes and all other necessary work incidental thereto."

—and whereas, on the 27th day of August, 1914, and on the 9th day of October, 1914, resolutions having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Manhattan 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 Manhattan 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 Manhattan, 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 $61,000; and a statement of the assessed value according to the last preceding tax roll of the real state included within the probable area of assessment, to wit, the sum of $500,000, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the consruction 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 Deputy and Acting Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

Legal Aid Society—Appropriation Therefor (No. 100).

The Secretary presented a communication from the Legal Aid Society, undated, submitting extracts from reports for the year 1913, of the President and Attorney for the Society, describing the work done; also a comparative statement of the budget of the Society for the year 1914 (with four months estimated), and the proposed budget for the year 1915; also a statement from the treasurer showing the receipts for the year 1914, etc., and petitioning this Board for an appropriation of $25,000, under the power granted by Chapter 680 of the Laws of 1907.

Which was referred to the Committee on Tax Budget.

President, Borough of Manhattan—Rescission of Issue of Corporate Stock (No. 101).

The Secretary presented a communication, dated October 5, 1914, from the President of the Borough of Manhattan, requesting the rescission of $22,500 of the Corporate Stock authorization of $25,000 adopted by the Board June 19, 1914 (Cal. No. 49), for building a mezzanine floor in Washington Market, for the reason that when this alteration was inaugurated it was with the understanding that the tenants desired it and were ready to take the additional space to be provided, and stating that since that time many stand holders in the market have opposed the change and further owing to the present financial conditions and particularly in view of the fact that there is no demand for additional space, it would not appear to be good policy on the part of the City to add to the accommodations of this market in this way.

Which was referred to the Committee on Corporate Stock Budget.

Department of Public Charities—Issue of Corporate Stock (No. 102).

The Secretary presented a communication dated October 6, 1914, from the Commissioner of Public Charities urging the Board to authorize the issue of $25,000 corporate stock for the new Randalls Island power house and laundry building. (This item is included in the estimate of corporate stock requirements of the Department of Public Charities presented to the Board on June 26, 1914 (Cal. No. 213).)

Which was referred to the Committee on Corporate Stock Budget.

Department of Public Charities—Appropriation for Equipment of Greenpoint Hospital (No. 103).

The Secretary presented a communication dated October 2, 1914, from the Commissioner of Public Charities, urging the granting of the appropriation of $50,000 requested for equipment for the Greenpoint Hospital, owing to the extreme pressure upon the institutions of the Department, making it imperative to utilize every available space for the care of patients and inmates during the coming winter. This item is included in the estimate of corporate stock requirements of the Department of Public Charities presented to the Board on June 26, 1914 (Cal. No. 213).

Which was referred to the Committee on Corporate Stock Budget.

Department of Water Supply, Gas and Electricity—Consolidation of Accounts (No. 104).

The Secretary presented a communication, dated October 5, 1914, from the Commissioner of Water Supply, Gas and Electricity, calling the attention of the Board to the existing cumbersome methods of keeping the material, supplies fund accounts, and suggesting the adoption of one of the three plans outlined in the communication to overcome the difficulties of too numerous accounts. The Commissioner states that the proposed consolidation should result (1) in a reduction of clerical work and of the number of fund transfers; (2) in transforming the fund accounts into a record based on sound accounting principles, instead of representing estimates; and (3) in economy in buying, since it would permit purchases to be made in volume by contract for the entire department instead of in small quantities for each unit.

Which was referred to the Committee on Tax Budget.

Department of Parks, Borough of Queens—Retirement of David E. Austen, Superintendent of Parks (No. 105).

The Secretary presented a communication, dated October 6, 1914, from the Commissioner of Parks, Borough of Queens, transmitting for the consideration of the Board, communication from Col. David E. Austen, Superintendent of Parks, Borough of Queens, renewing his application for retirement pursuant to Chapter 669 of the Laws of 1911, as amended.

(On July 2, 1914 (Cal. No. 100), a communication from the Commissioner of Parks, Borough of Queens, transmitting the application of Col. Austen for retirement, was referred to the Committee on Salaries and Grades.)

Which was referred to the Committee on Salaries and Grades.

Department of Water Supply, Gas and Electricity—Retirement of Marcus Washburn, Rodman (No. 106).

The Secretary presented a communication, dated October 6, 1914, from the Secretary to the Mayor, transmitting communication, dated September 29, 1914, from the Commissioner of Water Supply, Gas and Electricity, requesting the retirement, pursuant to Chapter 669 of the Laws of 1911, as amended, of Marcus Washburn, a Rodman in said Department.

Which was referred to the Committee on Salaries and Grades.

Department of Docks and Ferries—Retirement of John Gannon, Watchman (No. 107).

The Secretary presented a communication, dated October 5, 1914, from the Commissioner of Docks, requesting that John Gannon, a Watchman in the Department of Docks and Ferries, be retired, pursuant to the provision of Chapter 669 of the Laws of 1911, as amended.

Which was referred to the Committee on Salaries and Grades.

Department of Docks and Ferries—Retirement of John R. Grant, Ship Carpenter (No. 108).

The Secretary presented a communication, dated October 5, 1914, from the Commissioner of Docks, requesting that John R. Grant, a Ship Carpenter in the Department of Docks and Ferries, be retired, pursuant to the provisions of Chapter 669 of the Laws of 1911, as amended.

Which was referred to the Committee on Salaries and Grades.

Department of Water Supply, Gas and Electricity—Retirement of Patrick Keeler, Laborer (No. 109).

The Secretary presented a communication dated October 6, 1914, from the Mayor, transmitting application of Patrick Keeler, a Laborer, in the Department of Water Supply, Gas and Electricity for retirement, pursuant to the provisions of chapter 669 of the Laws of 1911, as amended, which application has the recommendation of the Commissioner of said Department.

Which was referred to the Committee on Salaries and Grades.

Fire Department—Establishment of Grade of Position of Deputy Chief, Bureau of Fire Prevention (No. 110).

The Secretary presented a communication dated October 1, 1914, from the Fire Commissioner, requesting the establishment in the Fire Department of an additional grade of position of Deputy Chief, Bureau of Fire Prevention, at the rate of $3,000 per annum, for one incumbent.

Which was referred to the Committee on Salaries and Grades.

Department of Water Supply, Gas and Electricity—Retirement of Joseph Scheidecker, Watchman (No. 111).

The Secretary presented a communication dated October 7, 1914, from the Secretary to the Mayor, transmitting application of Joseph Scheidecker, a Watchman in the Department of Water Supply, Gas and Electricity, for retirement, pursuant to the provisions of chapter 669, of the Laws of 1911, as amended, which application has the recommendation of the Commissioner of said Department.

Which was referred to the Committee on Salaries and Grades.

Department of Parks, Borough of The Bronx—Retirement of John H. Wallace, Laborer (No. 112).

The Secretary presented a communication dated October 7, 1914, from the Secretary to the Mayor, transmitting application of John H. Wallace, a Laborer in the Department of Parks, Borough of The Bronx, for retirement, pursuant to the provisions of chapter 669 of the laws of 1911, as amended, which application has the recommendation of the Commissioner of said Department.

Which was referred to the Committee on Salaries and Grades.

Department of Bridges—Retirement of Samuel A. Livingston, Master Mechanic (No. 113).

The Secretary presented a communication dated October 8, 1914, from the Commissioner of Bridges, requesting the retirement, pursuant to the provisions of chapter 669 of the Laws of 1911, as amended, of Samuel A. Livingston, a Master Mechanic in said Department.

Which was referred to the Committee on Salaries and Grades.

President, Borough of Manhattan—Protest Against Establishment of Municipal Market (No. 114).

The Secretary presented a communication dated October 6, 1914, from E. T. Reid, of 141 9th Avenue, New York City, protesting against the establishment of a Municipal Market in The City of New York.

Which was referred to the Committee on Markets.

Department of Water Supply, Gas and Electricity—Authority to Destroy Certain Records and Papers (No. 115).

The Secretary presented a communication dated October 6, 1914, from the Commissioner of Water Supply, Gas and Electricity transmitting certificate of the Corporation Counsel relative to the destruction of certain records and papers in and on file in the Department of Water Supply, Gas and Electricity, and requesting that he be authorized to destroy same.

Which was referred to the Comptroller.

Board of Estimate and Apportionment—Authority to Destroy Certain Papers and Records (No. 116).

The Secretary presented a communication, dated October 6, 1914, from the Corporation Counsel, certifying, pursuant to section 1545-A of the Charter, that certain papers and records in the custody of the Secretary of the Board of Estimate and Apportionment are deemed to have become useless and may be destroyed without affecting the interests of the City in any way.

Which was referred to the Comptroller.

Board of Elections—Issue of Special Revenue Bonds (No. 117).

The Secretary presented a communication dated October 6, 1914, from the Secretary, Board of Elections, requesting the issue of $2,300 special revenue bonds for the purpose of replenishing the appropriation made to said Board for the year 1914 (Code No. 176), for making an official canvass. When the appropriation for the

year 1914 was made, the present Primary Law was not upon the statute books, and provision was not made for the canvass, as the law provides, of Inspectors' returns by the Board of Elections.

Which was referred to the Comptroller.

Acceptance of Work of the Elimination of the Grade Crossing of Crooks Crossing on the Amboy Road at Giffords, in the Borough of Richmond, with the Tracks of the Staten Island Railway Company (No. 118).

The Secretary presented the following:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau St., New York. October 6, 1914.

JOSEPH HAAG, Esq., *Secretary, Board of Estimate and Apportionment,* Municipal Building, New York City:

Dear Sir—Transmitted herewith and hereby served upon The City of New York is a certified copy of a resolution in Case No. 1272, adopted by the Commission at its meeting on October 6, 1914, accepting the work of the elimination of the grade crossing of Crooks Crossing, on the Amboy Road at Giffords, in the Borough of Richmond, with the tracks of the Staten Island Railway Company, and directing a hearing for an accounting.

Will you please acknowledge receipt of the enclosure.

Yours very truly, TRAVIS H. WHITNEY, Secretary.

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 6th day of October, 1914.

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

Case No. 1272—Resolution Accepting and Approving Work and Directing a Hearing for an Accounting.

In the Matter of the hearing on the motion of the Commission on the question of alterations and changes in the following grade crossing of the tracks of the Staten Island Railway Company; Crooks Crossing on Amboy Road at Giffords.

Whereas, on February 24, 1911, the Commission adopted a final order and determination in this proceeding as to changes in the grade crossing above mentioned; and

Whereas, on May 21, 1912, the Commission adopted a final order and determination as to elimination of grade crossing after rehearing amending the said order of February 24, 1911, in certain respects; and

Whereas, from time to time resolutions have been adopted by the Commission approving plans for the work necessary to the grade crossing elimination and authorizing the acceptance of bids for the said work; and

Whereas, the Commission has been advised by its Chief Engineer by communication dated September 24, 1914, that the work of elimination has been satisfactorily completed in accordance with the orders and resolutions of the Commission; now therefore it is

Resolved, that the work of eliminating the grade crossing of the tracks of the Staten Island Railway Company of the Amboy Road at Giffords, known as Crooks Crossing, be and the same hereby is accepted and approved. Provided, however, that nothing contained in this acceptance and approval shall be construed as binding the State of New York or the City of New York to participate in the payment of any part of the said work which shall be determined to be an addition or betterment to the railroad over and above what may be reasonably necessary to the proper elimination of the grade crossing in this proceeding; further

Resolved, that a hearing be had before the Commission at its hearing room, No. 154 Nassau Street, Borough of Manhattan, City of New York, on the 20th day of October, 1914, at 11:00 o'clock in the forenoon, at which hearing the Staten Island Railway Company and The City of New York shall submit accounts and give testimony showing the amounts expended by each, with interest.

To the end that the Commission may determine what expenditures are properly chargeable to this grade crossing elimination proceeding; further

Resolved, that notice of this hearing be given to the Staten Island Railway Company and to The City of New York at least three days prior to the date of this hearing, by service upon each of them of a copy of this resolution.

By the Commission. TRAVIS H. WHITNEY, Secretary.

(L. S.)

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 October 6, 1914, 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 6th day of October, 1914.

(Seal.) TRAVIS H. WHITNEY, Secretary.

The Secretary was directed to request the Chief Engineer of the Board to attend the hearing before the Public Service Commission.

New York Railways Company (No. 119).

A communication was received from the Public Service Commission for the First District, transmitting certified copy of order adopted by the Commission, extending the time of the New York Railways Company until November 5, 1914, to accept the order adopted by the Commission on September 22, 1914, as to the removal of tracks on South Street, James Slip and New Chambers Street, Borough of Manhattan.

Which was referred to the Bureau of Franchises.

Motor Buses, Park Avenue (No. 120).

A communication was received from H. Henry D. Klinker, requesting to be heard in opposition to the granting of a franchise for an omnibus route on Park Avenue above 79th Street, Borough of Manhattan.

Which was referred to the Bureau of Franchises.

Department of Education—Compensation of Elevator Attendants in Washington Irving High School (No. 121).

The Secretary presented a communication, dated October 8, 1914, from the Elevator Attendants in the Washington Irving High School under the jurisdiction of the Department of Education, requesting that their compensation be increased from $750. to $900. per annum each.

The Secretary was directed to return the communication to the petitioners for submission to the Department of Education.

On motion, the Board adjourned to meet Friday, October 16, 1914, at 10:30 o'clock A. M. JOSEPH HAAG, Secretary.

DEPARTMENT OF FINANCE.

WARRANTS MADE READY FOR PAYMENT IN DEPARTMENT OF FINANCE THURSDAY, OCTOBER 22, 1914.

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.
				Commissioners of Accounts.	
134101	9-19-14		10-19-14	New York Steam Auto Tire Works..	$58 97
134111	10-14-14		10-15-14	W. & J. Sloane	45 00
				Armory Board.	
129518		31946	10- 7-14	Pilcher & Tachau	$595 98
132966	9- 1-14		10-15-14	F. L. Robinson	41 84
124685		37011	9-25-14	New England Casualty Co., surety for R. J. McKinnon	2,370 00
135041	10- 8-14		10-20-14	Cavanagh Bros. & Co.....	17 50
135045	8-31-14		10-20-14	Cavanagh Bros. & Co.....	66 65
135046	9-28-14		10-20-14	Cavanagh Bros. & Co.....	108 75
135047	9-30-14		10-20-14	Wm. P. Youngs & Bros.....	24 98
				Department of Bridges.	
134289			10-19-14	Volney P. Wilson, General Foreman..	$3 65
134286			10-19-14	Archibald McLean, Assistant Engineer	22 93
134127	10- 1-14		10-19-14	S. Whyle Merritt Co.....	40 00
134128	9-29-14		10-19-14	Brooklyn Bridge	364 11
				Coroner, Borough of Richmond.	
134199	10- 9-14		10-19-14	A. B. Coe	$6 00
				City Magistrates' Courts, First Division.	
135302			10-21-14	Jesse Bernhard, Acting Chief Clerk...	$25 03
				Court of Special Sessions.	
135226			10-21-14	Samuel Meratchnik	$63 00
135224			10-21-14	Nicholas Scaiano	6 00
135225			10-21-14	Charles S. Ehrlich	70 00
				Court of General Sessions.	
134966			10-20-14	Edward R. Carroll	$30 90
134969	9-30-14		10-20-14	The Initial Towel Supply Co.....	9 75
134968	9-30-14		10-20-14	Berkshire Springs Co.....	12 60
134967	9-30-14		10-20-14	Knickerbocker Ice Co.....	16 45
				Supreme Court, Queens County.	
135021	10-19-14		10-20-14	Charles J. Schneller	$10 00
				Board of City Record.	
134787	9-30-14		10-20-14	P. J. Collison & Co.	$15 16
134776	9-28-14		10-20-14	The Brooklyn Daily Eagle.....	10 40
134778	9-28-14.	10- 2-14	10-20-14	P. J. Collison & Co.....	8 60
134760	9- 1-14		10-20-14	W. C. Wilson	1 75
134759	9-28-14		10-20-14	C. W. Jean Co.....	75
134758	9-11-14		10-20-14	Henry Bainbridge & Co.....	79
134757				Library Bureau	1 80
134756	10- 2-14		10-20-14	Knickerbocker Towel Supply Co.....	1 80
134748	8-31-14		10-20-14	P. J. Collison & Co.....	13 20
134749	10- 2-14		10-20-14	William Bratter & Co.....	11 20
134779	9-26-14		10-20-14	The J. W. Pratt Co.....	6 75
134774	9-15-14.	9-30-14	10-20-14	M. B. Brown Printing & Binding Co..	38 34
134770				M. B. Brown Printing & Binding Co..	181 63
134775	8-18-14		10-30-14	The J. W. Pratt Co.....	2 24
134781	9-22-14.	9-26-14	10-20-14	The J. W. Pratt Co.....	28 28
134780	9-14-14		10-20-14	M. B. Brown Printing & Binding Co..	3 29
134766	9-30-14		10-20-14	Evening Post Job Printing Office.....	356 33
134786	9-30-14		10-20-14	The J. W. Pratt Co.....	18 74
134773	9-14-14		10-20-14	Henry Bainbridge & Co.....	11 20
134772	10- 6-14		10-20-14	J. J. Little & Ives Co.....	341 00
134771	9-16-14.	10- 2-14	10-20-14	P. J. Collison & Co.....	10 25
				Department of Correction.	
130906	5- 9-14		10- 9-14	Agent and Warden of Auburn Prison.	$999 61
130907	1-30-14		10- 9-14	Agent and Warden of Clinton Prison.	4,975 00
				District Attorney, Bronx County.	
133228			10-15-14	James Graham	$221 10
				District Attorney, Richmond County.	
134722	10-16-14		10-20-14	F. C. Vitt	$5 00
				Board of Elections.	
135297			10-20-14	Board of Elections	$400 00
				Board of Excise, Kings County.	
134723			10-20-14	James I. Kelly	$177 76
				Board of Estimate and Apportionment.	
134298	9-10-14		10-19-14	Provost, Humbert & Williams.....	$1 25
134297	10- 3-14		10-19-14	Z. & L. Rosenfield.....	2 00
				Department of Education.	
134527	7- 1-14		10-20-14	Addressograph Co.	$0 12
130699	6-29-14	786	10- 9-14	C. H. Congdon.....	12 00
130702	7-15-14	38510	10- 9-14	Jas. S. Barron & Co.....	47 01
130694	7-22-14	38914	10- 9-14	Frank D. Beattys & Co.....	80 16
	10- 3-14		10- 9-14	Waverly Storage Co.....	2,291 66
130686	8-31-14	38509	10- 9-14	Standard Supply Co.....	7 50
130658	9- 4-14	40263	10- 9-14	H. C. Hallenbeck.....	48 50
130296	8-10-14	153	10- 9-14	The Macmillan Co.....	1,067 98
130659	9- 4-14	40263	10- 9-14	H. C. Hallenbeck.....	77 80
130657	9- 4-14	40263	10- 9-14	H. C. Hallenbeck.....	22 10
130655	9- 9-14	40263	10- 9-14	H. C. Hallenbeck.....	19 70
130309		38435	10- 9-14	Kalt Lumber Co.....	19 36
130692	7-23-14	187	10- 9-14	The Bobbs-Merrill Co.....	4 80
130693	7-22-14	787	10- 9-14	Frank D. Beattys & Co.....	13 96
130698		38913	10- 9-14	Sherwin Cody	1 00
130675	3-24-14		10- 9-14	Joseph Ohlhausen	492 00
130690	6-18-14	38474	10- 9-14	Standard Oil Co. of New York.....	63 00
130673	4-28-14		10- 9-14	Edward Stapleton	487 00
130688	7-28-14	38545	10- 9-14	Jones Packing Co.....	39 51
130682	1-29-14	951	10- 9-14	The Kny-Scheerer Co.....	10 34
130685	9- 5-14	38442	10- 9-14	F. S. Banks & Co.....	20 24
130681	3- 9-14	951	10- 9-14	The Kny-Scheerer Co.....	7 50
130680	10-29-14	951	10- 9-14	The Kny-Scheerer Co.....	3 40
130683	1-17-14	951	10- 9-14	The Kny-Scheerer Co.....	59 91
130297	8-24-14	40027	10- 9-14	Remington Typewriter Co.....	53 20
130310	8-19-14	38453	10- 9-14	M. J. Tobin.....	57 00
130295	8- 4-14	645	10- 9-14	Thompson-Brown Co.	36 56
130684	8-27-14	40028	10- 9-14	Underwood Typewriter Co.....	50 00
130299	8-12-14	38541	10- 9-14	Wadsworth, Howland & Co., Inc.....	26 35
130679	4-24-14	436	10- 9-14	John Wanamaker, New York.....	15 57
130306	8- 7-14	38919	10- 9-14	Rand, McNally & Co.....	34 80
130661			10- 9-14	Library Bureau	461 75
130701		38444	10- 9-14	F. W. Devoe & C. T. Raynolds Co....	3 88
130312	6-29-14	38454	10- 9-14	E. Steiger & Co.....	23 86
130286	7-25-14.	8-21-14	10- 9-14	Department of Correction.....	1,485 92
130249	8-27-14		10- 9-14	Department of Correction, Manufacturing Industry	667 78
128620	7-15-14	38488	10- 6-14	Parker P. Simmons Co., Inc.....	285 00
130300	8-19-14	38839	10- 9-14	American Book Co.....	39 92
130314	7-23-14	125	10- 9-14	Charles E. Merrill Co.....	1,255 48
130301	7-30-14	38851	10- 9-14	Longmans, Green & Co.....	14 50
130315	8-18-14	147	10- 9-14	World Book Company, Assignee of Globe School Book Co.....	30 00
130287	7- 8-14	38448	10- 9-14	The J. W. Pratt Co.....	207 67
130289	4- 9-14	38454	10- 9-14	E. Steiger & Co.....	850 78
130305	8- 7-14	38454	10- 9-14	E. Steiger & Co.....	140 59
130696	7-14-14	38438	10- 9-14	Milton Bradley Co.	130 00
130695	7- 2-14	38483	10- 9-14	Binney & Smith Co.....	250 00
130687	8- 1-14	38458	10-10-14	A. P. W. Paper Co.....	162 50
130292	7- 8-14	39456	10- 9-14	Columbia Graphaphone Co.....	209 40
130311	8- 8-14	38433	10- 9-14	Graham Paper Co.....	114 90
130308	9- 7-14	119	10- 9-14	Hinds, Noble & Eldredge.....	613 80

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
130313	8-10-14	118	10- 8-14 Benj. H. Sanborn & Co.	110 42
130689	8-11-14	38468	10- 9-14 High Grade Oil Ref. Co.	235 88
130697	7-21-14	38868	10- 9-14 The Century Co.	371 20
130303	8- 3-14	38868	10- 9-14 The Century Co.	256 80
130302	8- 6-14	156	10- 9-14 Newson & Co.	1,411 32
130291	2-11-14	38452	10- 9-14 O. M. Gottesman	2,126 82
130304	8-25-14	794	10- 9-14 J. B. Lippincott Company	122 48
130293	8-12-14	38460	10- 9-14 American Lead Pencil Co.	257 60
130294	8-19-14	810	10- 9-14 American Book Co.	1,129 98
127479		39651	10- 3-14 M. D. Lundin	780 00
133795	7-31-14		10-17-14 S. J. McCullough & Co.	244 00
134091	9- 2-14		10-19-14 S. Zacharkow	105 05
134082	11-26-13		10-19-14 John Keller & Son	41 00
127472		39139	10- 3-14 A. W. King	1,097 00
127478		40081	10- 3-14 C. L. Dooley, Inc.	568 00
129633		39911	10- 8-14 J. L. Fries	486 00
129631		39660	10- 8-14 Daniel J. Rice	149 00
129252		39676	10- 7-14 Wm. J. Olvany	276 00
129241		39952	10- 7-14 Margolin & Simerman	125 00
129242		39952	10- 7-14 Margolin & Simerman	191 00
129240		40236	10- 7-14 Edward J. Belford	542 10
127466		33968	10- 3-14 Charles. Wille Construction Co. Assignee of Charles Wille	22,268 40
127473		39661	10- 3-14 Robertson & Conry	509 00
127031		36443	10- 2-14 Andrew Nicola	90 00
127471		39378	10- 3-14 Greenberg Bros.	124 00
127023		39790	10- 2-14 Lawrence J. Bengert	412 50
129243		34647	10- 7-14 Frederick William Morganthaler, Robert G. McCartney and John T. Kreeger as a Sub-Committee of Sub-Contractors, Assignees of the Bottsford Construction Co., Inc., Assignee of the Bottsford-Dickinson Co.	25,069 00
127470		39906	10- 3-14 A. W. King	493 00
127030		40073	10- 2-14 Joseph D. Duffy	395 00
127029		40073	10- 2-14 Joseph D. Duffy	628 00
127474		40337	10- 3-14 James Curran Mfg. Co.	300 00
127028		39947	10- 3-14 Joseph D. Duffy	224 00
127027		39644	10- 2-14 Julius Hass' Sons	392 00
127028		39947	Joseph D. Duffy	224 00
132671	9-10-14	38514	10-14-14 Cavanagh Bros. & Co.	57
134528	7- 3-14		10-20-14 Wright & Ditson	17 64
130700	7-18-14	38522	10- 9-14 H. T. Dakin	11 94
134418	3-15-14.	5- 1-14	10-20-14 Goetz & Co.	19 00
134417	3- 1-14.	5- 1-14	10-20-14 Goetz & Co.	45 50
134416	2-19-14		10-20-14 The New York Association for the Blind	10 00
134415	7-22-14		10-20-14 Karl Heinrich	5 00
134414	2-19-14.	5-25-14	10-20-14 The New York Association for the Blind	31 75
134412	6- 5-14.	6-22-14	10-20-14 Lawson Piano Co.	23 35
134411	2-19-14.	4-14-14	10-20-14 The New York Association for the Blind	51 25
134413	6-29-14		10-20-14 F. Mangus	1 50
134419	3-31-14		10-20-14 Welsbach Gas Lamp Company	4 80
127475		40053	10- 3-14 Duncan Stewart	265 00
134522			E. Steiger & Co.	1 19
134521	9-10-14		10-20-14 G. Schirmer, Inc.	5 26
134519	7-15-14		10-20-14 Harper & Brothers	2 25
134518	8-26-14		10-20-14 Scott Foresman & Co.	2 40
134520	6- 2-14		10-20-14 Geo. W. Millar & Co.	5 00
134525	8-24-14		10-20-14 W. W. Kimball Co.	75 00
134524	8-27-14		10-20-14 W. W. Kimball Co.	75 00
134523	8-24-14		10-20-14 W. W. Kimball Co.	75 00
133877	8-18-14.	8-31-14	10-17-14 William Kreisberg	200 00
134496	8-31-14		10-20-14 Montgomery & Co.	2 20
134491	9- 9-14		10-20-14 M. Matheson	1 59
134490	8-31-14		10-20-14 American Book Co.	25 20
134492	9- 2-14		10-20-14 American Book Co.	4 80
134489	6-15-14		10-20-14 Eimer & Amend	13 00
134488	9-16-14		10-20-14 James W. Cone	3 50
134487	7-17-14		10-20-14 Ginn & Co.	21 00
134486	7-12-14.	7-21-14	10-20-14 Scott Foresman & Co.	96
133429	9-30-14		10-16-14 Nicholas J. Schery	53 00
134516	9- 1-14		10-20-14 Little Brown & Co.	1 28
134515	8-31-14		10-20-14 American Book Co.	54
134514	8-27-14		10-20-14 Houghton Mifflin Co.	6 50
130290	6- 8-14	38455	10- 9-14 Harper Paper Co.	1,399 76
134055	8- 6-14		10-19-14 F. J. Kloes	92 00
134059	8-14-14		10-19-14 Hale Desk Co.	29 00
133904	7- 6-14		10-17-14 C. H. Mills	30 00
133908	8-17-14		10-17-14 Wm. Schoenfeldt	128 00
133909	8- 5-14		10-17-14 Michael Fogarty, Inc.	290 00
133911	8-22-14		10-17-14 J. Kurzban	365 00
130691	7-31-14	38520	10- 9-14 Geo. T. Montgomery	1 31
134065	8-14-14		10-19-14 Louis Frey & Co.	123 60
134066			10-10-14 E. G. Soltmann	73 32
134067	7-28-14		10-19-14 Favor Ruhl & Co.	241 46
134421	8- 6-14.	9- 1-14	10-20-14 Henry Pearl & Sons Co.	102 52
134426	7-14-14.	8-31-14	10-20-14 J. D. Johnson Co.	53 75
134062	6-29-14		10-19-14 Little & Pruess	94 00
134485	6-17-14		10-20-14 The Oliver Typewriter Co.	8 00
134482	7- 8-14		10-20-14 Columbia Graphophone Co.	12 55
134481	9- 9-14		10-20-14 J. H. Rhodes & Co.	18 33
134480	1- 8-14		10-20-14 Bahrenberg & Co.	27 00
134479	7-28-14		10-20-14 W. G. Creamer & Co.	8 75
134478	7-27-14		10-20-14 Krengel Mfg. Co.	15
134470	9-11-14		10-20-14 Theo. B. Thompson	5 95
134476	8- 5-14		10-20-14 Henry Moss & Co.	2 10
134475	8- 6-14		10-20-14 Wm. Bratter & Co.	8 75
134474	8-10-14		10-20-14 O'Neill-Adams Co.	22 50
134473	9- 1-14		10-20-14 American Type Founders Co.	12 41
134472	9-12-14		10-20-14 F. W. Devoe & C. T. Reynolds Co.	3 60
134471	9-12-14		10-20-14 Eugene Dietzgen Co.	4 00
134469	9-12-14		10-20-14 Sinclair & Valentine Co.	2 00
134465	12-16-13		10-20-14 Neal & Brinker Co.	80
133862	8-20-14		10-17-14 Title Guarantee & Trust Co., assignee of T. F. Long	102 00
134466	6-18-14		10-20-14 American Bead Co.	3 50
124617	7-30-14		9-25-14 The Perfect Safety Window Guard	281 67
134508	9-10-14		10-20-14 E. H. & A. C. Freidrichs Co.	1 63
134507			F. C. Stechert Co.	3 71
134506	9- 1-14		10-20-14 Houghton Mifflin Company	20
134505	9-10-14		10-20-14 Krengel Mfg. Co.	90
134503	6-26-14		10-20-14 The Kny-Scheerer Co.	15 00
134502	9-10-14		10-20-14 Albers Bros.	26 25
134501	9- 4-14		10-20-14 Schoverling, Daly & Gales	5 50
134517	9- 1-14		10-20-14 Benj. H. Sanborn & Co.	75
134498	9-10-14		10-20-14 Chas. H. Ditson & Co.	1 20
134509	7-15-14		10-20-14 The Prang Co.	2 50
134510	9- 2-14		10-20-14 American Book Company	50

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
134511	7-14-14	10-20-14	Harper & Brothers	2 25
134512			Doubleday, Page & Co.	3 00
134513	8-31-14	10-20-14	F. C. Stechert Co.	70
134459	9-10-14	10-20-14	L. Sonneborn Sons, Inc.	14 06
134458	9- 2-14	10-20-14	City History Club	75
134461	9-10-14	10-20-14	U. S. Needle Co.	4 72
134456	8- 3-14	10-20-14	Selchow & Righter Co.	24
134434	7-21-14	10-20-14	Max Jackel	7 50
133445	9- 1-14	10-16-14	R. Warren Lawrence	198 00
133443	9-15-14	10-16-14	Louis Guerr	89 00
133441	8-29-14	10-16-14	William E. Mason	208 00
134437	8-24-14	10-20-14	The Lithoprint Co.	5 55
134436	7-30-14	10-20-14	J. H. Boozer	4 85
134435	9- 1-14	10-20-14	Ansco Co.	28 02
			Department of Finance.	
134843		10-20-14	Relief and Pension Fund of the Department of Street Cleaning, J. T. Fetherston, Commr., as Treasurer and Trustee	$8,729 15
134830		10-20-14	Chas. P. Megronigle	36 00
134659	9- 1-14	10-20-14	The Diamond Towel Supply Co.	2 75
134658	9- 1-14	10-20-14	The Diamond Towel Supply Co.	2 50
134822	10- 9-14	10-20-14	New York Fire Department Relief Fund, Robert Adamson, Commissioner, as Treasurer and Trustee	76,872 11
134841		10-20-14	John J. Conway	114 58
134662	8-31-14	10-20-14	Kanouse Mountain Water Co.	3 00
134663	8-10-14	10-20-14	Remington Typewriter Company	275 00
134664	10- 5-14	10-20-14	C. W. Jean Company	25 00
134667	7- 1-14.	10- 1-14	10-20-14 American Writing Machine Co.	28 96
134660	6-12-14.	9-15-14	10-20-14 Theo. Moss & Co.	66 68
134655	6-30-14	8-20-14	Shaw Walker Company of New York.	87 55
134823			Anna McGowan	11 55
134824			Mary Crowley	32 50
134825			Tessie Moore	6 29
134826			Kathleen Moore	35 48
134827			John H. Timmerman, City Paymaster.	67
134828			John J. Quinn	30
134965			Charles Paul Eller	300 00
134842		10-20-14	H. H. Rathyen	244 90
134829			William Schulze	8 00
134671	9- 4-14	10-20-14	Remington Typewriter Company	3 00
135294		10-21-14	William J. Dooley	67
135296		10-21-14	Patrick Comisky, administrator, estate of Patrick Cumisky, deceased	20 93
135293		10-21-14	American Surety Co.	9 00
135295		10-21-14	Esther Ashowitz	3 87
134656	10- 2-14	10-20-14	Remington Typewriter Co.	113 00
128500			Lettie V. Reed	38 72
128500			Lettie V. Reed	137 97
128501			Thomas Broome	77 46
128502			William Droege	77 46
128501		10- 6-14	Thomas Broome	275 93
128502			William Droege	275 93
134845			The Germania Bank of the City of New York	53 12
134844	10- 7-14	10-20-14	The Germania Bank of the City of New York	100 00
			Fire Department.	
130348	9-29-14	10- 9-14	Zahn & Kerr	$453 60
134794	10- 6-14	10-20-14	Richard H. Laimbeer, Jr.	25 00
134793	10- 1-14	10-20-14	William Ralph	1 20
134797	9-17-14	10-20-14	Charles S. Demarest	1 00
134796	9-21-14	10-20-14	G. Hinman Barrett	1 25
134795	9-18-14	10-20-14	Richard H. Laimbeer, Jr.	25 00
125146		37376 9-28-14	John Hankin & Bro.	1,114 56
133701	9-10-14.	9-14-14 10-16-14	J. & T. Adikes	362 23
			Department of Health.	
133668	8-27-14	10-16-14	United States Tire Co.	$58 86
			Department of Licenses.	
135085		10-20-14	New York Telephone Co.	$92 71
135078		10-20-14	George H. Bell	83 60
135086			The Mutual Window Cleaning and House Renovating Co.	5 00
135082			Henry Schultheis Co.	7 85
135083	9-30-14	10- 2-14	Municipal Garage	79 62
135084	10- 2-14	10-20-14	Tower Mfg. & Novelty Co.	3 25
135087	10- 1-14	10-20-14	Bofinger Bros.	4 00
135081	10- 6-14	10-20-14	Rosenfield & Harris	7 00
			Law Department.	
134006		10-17-14	F. S. McCarthy	$33 60
			The Mayoralty.	
134620	8-31-14	10-20-14	Municipal Garage	$150 32
134618	9-24-14	10-20-14	Jurgen, Rathjen Co.	15 50
134619	9-25-14	10-20-14	Koenig & Schuster, Inc.	16 50
134812			John Manning	12 43
134616	9-23-14	10-20-14	Public Service Cup Co.	7 00
134615	9-30-14	10-20-14	Briarcliff Lodge Association	3 30
134614	10- 1-14	10-20-14	The Peerless Towel Co.	7 10
134621	10-11-14	10-20-14	Burrelle's Press Clipping Bureau	7 55
134820	10- 8-14	10-20-14	The American Law Book Co.	6 50
134819	9-11-14	10-20-14	C. W. Jean Co.	2 25
134818	10- 1-14	10-20-14	The Banks Law Publishing Co.	7 50
134814	9- 8-14	10-20-14	Underwood Typewriter Co., Inc.	50
134813	9-30-14	10-20-14	Foster Scott Ice Co.	8 50
134810	9-30-14	10-20-14	Briarcliff Lodge Association	3 60
134809	9-30-14	10-20-14	New York & Brooklyn Towel Supply Co.	4 20
134808	9-15-14	10-20-14	Public Service Cup Co.	7 00
134807	10- 7-14	10-20-14	Tiffany & Co.	8 00
134817	10- 1-14	10-20-14	United Electric Service Co.	9 80
135237		10-21-14	John Purroy Mitchel	1,250 00
134816	9- 6-14	10-20-14	The Western Union Telegraph Co.	11 10
			Bronx Parkway Commission.	
126895	9-25-14	10- 1-14	The Evening Post	$20 00
			Queens Borough Public Library.	
134285			George C. Dickel, Treasurer of the Queens Borough Public Library	$5,435 47
134284		10-19-14	George C. Dickel, Treasurer of the Queens Borough Public Library	7,267 86
			Public Administrator, Queens County.	
135238		10-21-14	Randolph White	$100 00
			Police Department.	
134950	10- 5-14	10-20-14	Thomas Pump Works	$17 40
134949	9-30-14	10-20-14	Remington Typewriter Co.	8 50
134948	9- 8-14.	9-30-14 10-20-14	Underwood Typewriter Co.	37 00
134947	10- 5-14	10-20-14	General Acoustic Company	50
			Department of Parks, Boroughs of Manhattan and Richmond.	
134598		10-20-14	E. C. Bagwell, Secretary	$50 00
134607	10-10-14	10-20-14	John A. Gifford & Son	4 95
134608	10- 1-14	10-20-14	P. J. Cleary	12 50

Finance Voucher No.	Invoice Dates or Contract Number.		Received in Department of Finance.	Name of Payee.	Amount.
134349			10-19-14	J. P. Mueller	995 00
134601	9- 2-14		10-20-14	Tremont Printing Co	4 00
134603	9-18-14.	9-24-14	10-20-14	The George H. Tyrrell Co	20 65
131237				Queens County Tire Repair Co	57 10
134599	6-15-14		10-20-14	Yawman and Erbe Mfg. Co	2 85
134600	10- 1-14		10-20-14	C. Kruse	7 80
134405				New York Zoological Society, Percy R. Pyne, Treasurer	70 00
				President of the Borough of Manhattan.	
130771	8-27-14	32781	10- 9-14	Uvalde Contracting Co., Assignee of Sicilian Asphalt Paving Co	[illegible] 20
130767	9-21-14	38998	10- 9-14	Barrett Mfg. Co	788 40
130768	9-11-14	39084	10- 9-14	Ajax Portland Cement Co	1,231 73
130769	9-12-14	39082	10- 9-14	Uupper Hudson Stone Co	629 20
130770	8-28-14	38587	10- 9-14	Barrett Mfg. Co	5,507 40
130766	9-18-14	3899	10- 9-14	Phoenix Sand & Gravel Co	320 82
123120		39543	9-22-14	The Sicilian Asphalt Paving Co	2,898 24
134912	9-11-14		10-20-14	Republic Construction Co	23 15
134894	9- 8-14		10-20-14	Imperial Paint Co	5 00
134896	9-14-14		10-20-14	Kenny & Co	15 00
134897				The Powers Regulator Co	150 00
134909	9-24-14		10-20-14	The J. W. Pratt Co	46 80
134903	9-30-14		10-20-14	John E. Orr	30 00
134902	8-15-14		10-20-14	Leonard Thomas	2 76
134901	9-21-14		10-20-14	Paul F. Hoppe Co	4 75
134900	9- 8-14		10-20-14	Thos. A. Glendinning	75 00
134898	9-30-14		10-20-14	Holgan Bros.	15 00
134918				Montgomery & Co	30 60
113324		35589		Edw. J. McCabe Co	408 60
134881	9-23-14		10-20-14	Macbeth-Evans Glass Co	15 50
134886	9- 9-14		10-20-14	American Steam Pump Co	15 47
134887	9-19-14		10-20-14	The Robert Bishop Mfg. Co	14 69
134914	9-19-14		10-20-14	A. F. Brombacher & Co	2 25
134915	9-23-14		10-20-14	Howard & Morse	44 25
134875	9-18-14		10-20-14	K. L. Irwin	12 00
134876	9-30-14		10-20-14	William Holohan	8 98
134877				John Greig	84 75
134904	9-30-14		10-20-14	Doyle & Kelly	5 50
134906	5-20-14		10-20-14	Munson Supply Co	3 15
134908	6-30-14		10-20-14	Remington Typewriter Co	7 56
134917	8-17-14.	8-31-14	10-20-14	Manning, Maxwell & Moore	13 68
134916	9-10-14		10-21-14	A. Leschen & Sons Rope Co	61 13
				President of the Borough of The Bronx.	
130754		39738	10- 9-14	Marrone Construction Co	$2,599 30
130755	10- 5-14	39730	10- 9-14	Gasparrini & De Blasio	2,089 73
126185		38630	9-29-14	Del Balso Contracting Co	1,399 67
				President of the Borough of Brooklyn.	
130798		40109	10- 9-14	Electric Construction and Supply Co	$893 01
130799		39860	10- 9-14	Brooklyn Alcatraz Asphalt Company	36,985 50
130797		38923	10- 9-14	John P. Taaffe	628 77
130363	8-31-14	38162	10- 9-14	John J. O'Connor	1,782 78
130154		393999	10- 8-14	Grimm Const. Co	1,731 99
125381		37887	9-28-14	Joseph J. McKenna	1,845 43
125385		40196	9-28-14	The Mapleton Engineering & Construction Co	2,019 21
127661		40132		Uvalde Contracting Company	1,366 55
135157	10- 6-14		10-20-14	James J. Byrne	35 25
135091	10- 3-14		10-20-14	M. H. Dinghee & Company	27 58
135138	10- 9-14		10-20-14	Detroit Cadillac Motor Car Company	9 00
135132	10- 1-14		10-20-14	Charles T. Holliday	24 25
135133	10- 1-14		10-20-14	N. P. Nielsen	11 00
135134	10- 1-14		10-20-14	Charles G. Moser	59 58
135135	10- 6-14		10-20-14	Brooklyn Ash Removal Company, Inc.	350 00
135136	9-30-14		10-20-14	Municipal Garage	1 65
135137	10- 1-14		10-20-14	Midwood Garage	4 65
135161			10-20-14	Benjamin Leavy	5 00
135162			10-20-14	Benjamin Leavy	7 00
135159			10-20-14	William Marseglia	5 00
135158			10-20-14	Charles T. Dwinell	4 00
133700		39493	10-16-14	Newman & Carey Company	4,177 50
				President of the Borough of Queens.	
133599	9-30-14		10-16-14	The East River Mill & Lumber Co	$113 60
133579				The Sicilian Asphalt Paving Company	151 81
118513			9-11-14	Courtney Development Company	553 38
133620	5-20-14		10-16-14	W. Scarborough	5 00
				President of the Borough of Richmond.	
123224		37073	9-22-14	Topeka Co.	$143 41
125405		40256	9-28-14	The Sicilian Asphalt Paving Co	354 83
				Public Service Commission.	
134251	5-31-14		10-19-14	Union Towel Supply Company	$165 43
134213	8-29-14.	9-24-14	10-19-14	C. S. Busse	107 68
134232	7-18-14.	9-30-14	10-19-14	William Zinsser & Co	1 30
134222	8-15-14.	9-23-14	10-19-14	Clarence S. Nathan	90 08
134210	5-20-14.	9-22-14	10-19-14	William Bratter & Co	102 10
134214	9-26-14		10-19-14	Edward Carroll, Jr	79 40
134205	9- 9-14		10-19-14	American Bridge Company	4 83
134209	9-30-14		10-19-14	E. Behringer	6 30
134215	8-31-14.	9-30-14	10-19-14	G. M. Christie	12 00
124216	7-31-14.	9-24-14	10-19-14	F. W. Devoe & C. T. Raynolds Co	5 07
134217				Great Bear Spring Co	27 90
134218	6-30-14.	8-31-14	10-19-14	T. H. Hogeman, Inc	25 00
134219	9-26-14		10-19-14	Keuffel & Esser Co	301 81
134221	7- 1-14.	8-31-14	10-19-14	Knickerbocker Ice Company	45 46
134223	9-17-14		10-19-14	Newman Manufacturing Co	6 00
134246	10- 1-14		10-19-14	The Rapid Safety Filter Co. of N. Y.	10 50
134250	8-25-14		10-19-14	South Brooklyn Railway Co	58 91
134228	9- 8-14		10-19-14	Railway Age Gazette	6 80
134248				Riker and Hegeman Co	112 34
134236	7-30-14		10-19-14	Oatman Manufacturing Co	214 14
134226	8-31-14		10-19-14	Oatman Manufacturing Co	110 04
134207	8-27-14		10-19-14	Baker Voorhis & Co	30 50
134242	8-31-14		10-19-14	Municipal Garage	261 17
				Department of Public Charities.	
130395	8-19-14		10- 9-14	Department of Correction	$465 60
130451	8-13-14		10- 9-14	A. J. & J. J. McCollum	590 35
130455	8-24-14		10- 9-14	The Protective Ventilator Co	500 00
130431	8-27-14		10- 9-14	E. T. Joyce	413 10
				Sheriff, Kings County.	
134984	9-30-14		10-20-14	The Empire State Dairy Co	$5 40
134985	9-30-14		10-20-14	J. D. Books	9 65
134981	9-30-14		10-20-14	Michael Braun	17 08
134979	10- 6-14		10-20-14	Columbian Insecticide Co	6 25
				Sheriff, Queens County.	
134372	8- 1-14		10-19-14	Fallon Law Book Co	$0 75
				Department of Street Cleaning.	
130365		38794	10- 9-14	Brooklyn Ash Removal Co., Ins., assignee of James H. Ward	$29,999 25
130365		38794	10- 9-14	The Relief and Pension Fund of the Department of Street Cleaning, J. T. Fetherston, Commissioner, as Treasurer and Trustee	5,000 00
130765	2-28-14		10- 9-14	Dailey & Ivens	440 00
130760	9-18-14		10- 9-14	John Fennell Sons	708 00
130362	7-31-14	38162	10- 9-14	John J. O'Connor	1,774 39
130364		17421-17422	10- 9-14	Edward Holland & Co	825 00
130361	9-22-14	38884	10- 9-14	D. B. Fleming & Sons, Inc	736 15
130360	9-22-14	40157	10- 9-14	Charles W. Brucher	430 00
134751	9-16-14		10-20-14	Margaret Glynn	63 80
				Department of Taxes and Assessments.	
134834			10-20-14	New York Telephone Co	$50 15
134833	10- 9-14		10-14-14	Robert F. Tighe	6 00
134832				S. W. Reese & Co	75
134835	9-30-14		10- 9-14	Columbia Frame & Art Co	2 85
134838	10- 5-14		10-20-14	A. Pearson's Sons	7 50
134837	10- 6-14		10-20-14	E. Belcher Hyde	66 00
				Board of Water Supply.	
130350		37382	10- 9-14	Beaver Engineering & Contracting Co	$27,712 80
133052	9-10-14		10-15-14	Grant, Smith & Co. & Locher	54 00
134724	9- 3-14		10-20-14	E. R. Baker	24 60
134725	9-17-14		10-20-14	Bell Electric Motor Co	62 62
134726	9-14-14		10-20-14	Coldwell-Wilcox Co	120 12
134742	9-26-14		10-20-14	Standard Oil Co. of New York	14 00
134741	9- 1-14		10-20-14	Standard Oil Co. of New York	119 00
134739	9-23-14		10-20-14	Chas. E. Miller	4 51
134738	9-22-14		10-20-14	MacArthur Bros. Co	44 58
134737	9-12-14		10-20-14	Charles Lennig & Co	22 36
134736	9-23-14		10-20-14	R. E. Jerome	11 90
134735	10- 1-14		10-20-14	Honk Falls Power Co	1 80
134734	9-25-14		10-20-14	Heinze Electric Co	3 00
134733	9- 9-14		10-20-14	Hazard Manufacturing Co	113 60
134732	9-25-14		10-20-14	The John Ellice Co	13 00
134731	5- -14		10-20-14	The Electro-Sun Blue Print Co	19 22
134730	9-28-14		10-20-14	Chas. D. Durkee & Co	13 75
134728	9-10-14		10-20-14	C. Deutermann & Son	2 00
134727	9-28-14		10-20-14	Detroit Cadillac Motor Car Co	12 50
134745	9-26-14		10-20-14	William F. Wies	1 75
134744	10- 1-14		10-20-14	Westchester Lighting Co	1 10
134743	9-16-14		10-20-14	Underwood Typewriter Co., Inc	1 00
130391	5- 4-14	39306	10- 9-14	Knickerbocker Supply Co	338 96
130392		38525	10- 9-14	B. Nicoll & Co.....Final	5,364 44
130491		39890	10- 9-14	New York & Queens Elec. Light & Power Co	31,339 54
130493	5-11-14	39889	10- 9-14	Richmond Light & Railroad Co	33 12
130494	5-11-14	39889	10- 9-14	Richmond Light & Railroad Co	264 68
130495	4-30-14	39327	10- 9-14	The New York Edison Co	28,270 50
130489	5-31-14	39122	10- 9-14	Jamaica Gas Light Co	324 75
130485	6- 1-14	39982	10- 9-14	Queens Borough Gas & Electric Co	3,489 15
130484		39123	10- 9-14	Queens Borough Gas & Electric Co	244 64
130482	6-30-14	39114	10- 9-14	Welsbach Street Lighting Company of America	22,990 97
130492	2- 1-14	40153	10- 9-14	The Bronx Gas & Electric Company	830 40
130483	1-31-14	40153	10- 9-14	The Bronx Gas & Electric Company	21,282 32
130393		40180	10- 9-14	Knight & DeMicco, Inc	4,388 66
130490	5-31-14	39119	10- 9-14	Richmond Hill & Queens Co. Gas Lt. Co	704 79
130487		39121	10- 9-14	The Woodhaven Gas Light Co	1,026 45
130486		39127	10- 9-14	N. Y. & N. J. Globe Gas Light Co., Ltd.	6,527 83
134952			9-20-14	Walter Lethbridge	56 30
130488		39124	10- 9-14	The Newtown Gas Co	2,622 00
134956			10- 2-14	J. L. Pultz, Water Registrar	16 56
134953			10-20-14	John E. Brennan	71 55
134954	5-29-14		10-20-14	Montgomery & Co., Inc	8 00
134946			10-20-14	Girdell V. Brower, Supt	20 40
134961			10-20-14	Michael F. Dalton	60 00
134962			10-20-14	Louis H. Goldstein	3 10
134963			10-20-14	James Thompson, Inspector	61 30
134960			10-20-14	Thos. J. Gannon, Mechanical Engineer	2 70
134673	10- 1-14		10-20-14	The Texas Company	13 23
134674	10- 6-14		10-20-14	United Dressed Beef Company of New York	24 00
134675	9-24-14		10-20-14	McKesson & Robbins	1 40
134676	8- 0-14		10-20-14	Hull, Grippen & Co	4 85
134677	9-30-14		10-20-14	D. Van Nostrand Company	1 25
134645			10-20-14	Daniel A. Dixon	9 00
134641			10-20-14	Lewis Samuel	7 75
134648			10-20-14	W. R. McGuire, Water Registrar	48 00
134688			10-20-14	Kennedy's Boarding Sale & Exchange Stables	87 50
134692			10-20-14	Richmond Garage, I. A. Silvie, Jr., Prop.	83 33
134691			10-20-14	Richmond Garage, I. A. Silvie, Jr., Prop.	83 33
134695	8-15-14		10-20-14	Robert B. Russell	17 18
134693	7- 1-14		10-20-14	Joseph Haag	18 54
134694	8-26-14		10-20-14	Joseph Haag	6 78
134687	10- 1-14		10-20-14	James Gaffney	87 50
134689	10- 1-14		10-20-14	Morrison Brothers	8 00
134690	10- 1-14		10-20-14	Thomas Morgan	27 50
134696	9- 5-14		10-20-14	Robert B. Russell	9 24
134698	8- 6-14		10-20-14	Cranford Brothers	12 44
134697	8- 1-14		10-20-14	Adam Klein	7 75
134647			10-20-14	George J. Zegers	9 20
134650			10-20-14	William P. Hennessy	3 30
164651			10-20-14	George Morgan, Inspector	27 15
134653			10-20-14	C. W. Rennie, Inspector M. & W. C.	4 95
134652			10-20-14	C. W. Rennie, Inspector of M. & W. C.	274 25
134654			10-20-14	C. W. Rennie, Inspector of M. & W. C.	10 35
134623			10-20-14	John E. McGeehan	2 25
134625			10-20-14	J. L. Pultz, Water Register	172 50
134624			10-20-14	James Cullen, Chief Clerk	14 25
134634			10-20-14	John E. McGeehan	72 36
134635			10-20-14	William T. Wallace, Chief Inspector	54 45
134630			10-20-14	George S. Skilton, Assistant Engineer	5 94
134631			10-20-14	R. L. Blake, Assistant Engineer	142 07
134633			10-20-14	H. B. Machen, Borough Engineer	1 70
134632			10-20-14	William Hauck, Assistant Engineer	7 55
134637			10-20-14	Jos. F. Dougherty	64 65
134639			10-20-14	Alpheus Peck	60 00
134640			10-20-14	James F. Hayden	17 55
134710	10- 3-14		10-20-14	Joseph Hook	17 14
134709	9-22-14		10-20-14	Nassaus & Suffolk Lighting Co	10 35
134708	9-22-14		10-20-14	Nassau & Suffolk Lighting Co	8 70
134707	10- 6-14		10-20-14	Warren, Webster & Co	18 50
134706	9-30-14		10-20-14	M. T. Davidson Co	7 50
134705	9-30-14		10-20-14	Vacuum Oil Co.	27 74
134649	8-20-14		10-20-14	J. W. Gasteiger & Son	3 90
134703	12-22-13		10-20-14	Greenhut-Siegel Cooper Co	74 16
134702	6-30-14		10-20-14	Thomson Meter Co.	26 90
134701				Cranford Bros.	10 87
134700				Cranford Bros.	9 83
134699	8- 7-14		10-20-14	Cranford Bros.	7 35

VOUCHERS RECEIVED IN DEPARTMENT OF FINANCE, THURSDAY, OCTOBER 22, 1914.

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 or Contract Date Number.	Name of Payee.	Amount.
		Board of Ambulance Service.	
136086	10- 6-14	J. F. Dour	$3 52
136087	9- 5-14	Stanley & Patterson	42 08
136088	10- 6-14	Inter Instrument Co.	4 75
136089		John Simmons Co.	7 32
136090	9- 5-14	Cons. House & Window Cleaning Co.	19 00
136091	9- 5-14	Independent Towel Supply Co.	5 00
136092	9- 5-14	Alex. Brennan	9 42
136093	8- 1-14	Patterson Gottfrien & Hunter	14 88
136094	9- 5-14	A. A. Benedict	2 00
136095	9- 3-14	J. A. Delatour	6 00
		Bellevue and Allied Hospitals.	
136454		Sprague Electric Co.	$1 00
136455	3-17-14	Wm. P. Youngs & Bros.	100 00
136456	8- 7-14	The American Laundry Machinery Co.	21 50
136457	7-10-14	American Metal Hose Co.	5 00
136458	8- 4-14	Albert Bros.	4 00
136459	7- 1-14	Atlantic Basin Iron Works.	31 20
136460	8- 3-14	American Thermos Bottle Co.	1 69
136461	8- 3-14	Baker X-ray Co.	33 60
136462	8- 7-14	Dressler Beard Mfg. Co.	5 85
136463	6-30-14	Electric Const. & Supply Co.	17 50
136464	7-15-14	Thos. A. Glendinning	10 00
136465	7-20-14	Hull, Grippen & Co.	10 60
136466	8- 6-14	F. J. Kloes	5 00
136467		The Kny-Scheerer Co.	11 65
136468	8- 3-14	Wm. Langbein & Bros.	100 25
136469	8- 1-14	A. C. Laurence	7 70
136470	7-31-14	J. G. McDougall Co.	5 50
136471	7-21-14	E. Machlett & Son	36 00
136472		Otis Elevator Co.	16 60
136473	8- 5-14	Geo. Poll & Co.	15 00
136474	8-11-14	Taylor Inst. Co.	5 00
136475	7-30-14	Geo. Tiemann & Co.	5 62
136476	5-26-14	Electro Surgical Inst. Co.	34
136477	7-31-14	Daniel Downes	35 28
136478	8- 1-14	Jas. B. Donohue	22 50
136479	7-31-14	William Kelly	30 10
136480	7-15-14	Stewart Warner Speedometer Corp.	1 00
136481	7- 3-14	Republic Rubber Tire and Shoe Co.	11 03
136482	38174	Robt. P. Lawless	1,166 25
136483	40135	Strauss Bros.	8,726 87
136484	40134	Edward West	450 44
136485	38170	Shults Bread Co.	1,300 27
136486	38171	Borden's Condensed Milk Co.	5,178 17
136487	38320	Lewis De Groff & Son	208 44
136488	38281	John Bellmann	1,190 53
136489	38280	Burton & Davis Co.	440 15
136490	38321	Francis H. Leggett & Co.	443 20
136491	38712	John Bellmann	435 00
136492	38175	Pattison & Bowns	2,719 77
136493	38172	Gavin & Rowe	1,294 35
136494	38282	Johnson & Johnson	4,212 00
136495	38709	Johnson & Johnson	360 00
136496	38707	Syndicate Trading Co.	348 40
136497	39068	F. S. Banks & Co.	281 40
136498	38286	Granite City Soap Co.	615 49
136499	39072	A. L. Nathan	851 40
		Department of Bridges.	
136211	10- 1-14	The American Multigraph Sales Co.	$13 35
136212	10-31-14	F. F. Uhrmann	13 55
136213	10- 3-14	Egleston Bros. & Co.	21 38
136214	10- 7-14	Dept. Correction	31 96
136215	10- 9-14	A. F. Brombacher & Co.	6 00
136216	9-29-14	Baker Carver & Morrell.	23 97
136217	10- 8-14	Thos. W. Kiley	18 00
136218	10- 9-14	John Boyle & Co., Inc.	34 63
136219	9- 5-14	John Simmons Co.	26 73
136220	9-30-14	Jas. Keily	20 00
136221	9-28-14	Conradson & Hill	263 90
136222	10- 7-14	A. J. & J. J. McCollum	5 35
136223	10- 9-14	New Jersey Mechanical Rubber Co.	9 50
136449		Lewis P. Brown	33 50
136450	39250	N. Y. Tel. Co.	156 34
136451	39251	N. Y. Tel. Co.	85 61
		City Magistrates' Courts.	
136278	9- 4-14	Rochester Germicide Co.	$23 00
136279	39255	N. Y. Tel. Co.	197 60
136280	39255	N. Y. Tel. Co.	201 10
136281	9-30-14	N. Y. Bottling Co.	1 50
136282	9-30-14	J. W. Cleary	4 00
136283	10- 1-14	The Peerless Towel Supply Co.	1 50
136284	9-22-14	Wm. F. Delaney	100 00
136285	10-12-14	Wm. F. Herterich	1 20
136286	9-30-14	Stevenson & Marsters	11 05
136287	9-30-14	Stevenson & Marsters	10 45
136288	10-17-14	Fallon Law Book Co.	37 05
136289	9-22-14	Scofield & Co.	3 00
136290	9- 1-14	William F. Delaney	47 01
136291	5-31-14	N. Y. Telephone Co.	59 50
136292	3- 7-14	Edward J. Dooley	55 15
136293	7- 4-14	William F. Delaney	5 20
		City Court of The City of New York.	
135965	10- 5-14	West Publishing Co.	$4 00
135966	10-15-14	Tower Mfg. & Nov. Co.	3 50
135967	10- 6-14	Fallon Law Book Co.	13 50
135968	10-15-14	T. Hanrahan & Co.	1 85
135969	10-20-14	Tower Mfg. & Nov. Co.	1 20
135970	9-30-14	N. Y. Telephone Co.	34 88
		Board of City Record.	
135788	12- 9-13	Clarence S. Nathan	$689 10
135789	6-26-14	The J. W. Pratt Co.	1,820 94
135790	8- 6-14	Trow Press	372 00
135791	5-29-14	Roy Press	155 29
135792	6-25-14	Library Bureau	311 31
135793	5-19-14	William Bratter & Co.	830 25
135794	9-24-14	William Bratter & Co.	60 45
135795	6-18-14	P. J. Collison & Co.	214 22
135796	2-10-14	J. J. Little & Ives Co.	294 00
136797	4-21-14	Brooklyn Daily Eagle	314 87
135798	5- 1-14	The O'Connell Press	776 47
136261	10- 5-14	The J. W. Pratt Co.	248 30
136262	9-28-14	Clarence S. Nathan	10 50
136263	10- 2-14	Henry Bainbridge & Co.	27 43
136264	10- 7-14	Library Bureau	7 70
136265	9-28-14	The Brooklyn Daily Eagle.	60 38
136266	10- 2-14	Jordan Stationery & Ptg. Co.	25 86
136267	9-30-14	M. B. Brown P. & B. Co.	134 68
136268	9-25-14	Wm. Bratter & Co.	546 15
136269	9-28-14	The J. W. Pratt Co.	19 00
136270	9-24-14	P. J. Collison & Co.	115 00
136271	10- 3-14	Theo. Mitchell	24 90
136272		Koller & Smith Co.	70 90
136273	8-18-14	William Bratter & Co.	105 95
136274	8-14-14	M. B. Brown P. & B. Co.	117 52
136275	8-28-14	P. J. Collison & Co.	56 76
136276	9-14-14	J. W. Pratt Co.	75 32
136277	8- 7-14	J. W. Pratt Co.	879 12
		Department of Docks and Ferries.	
135812	8-31-14	N. Y. Tel. Co.	$23 58
135813	8-31-14	N. Y. Tel. Co.	13 36
135814	9-30-14	N. Y. Tel. Co.	63 22
135815	40388	Knickerbocker Ice Co.	1,012 35
135816	37800	Fred'k Starr Cont. Co.	287 31
135817	39252	N. Y. Tel. Co.	114 89
135818	39252	N. Y. Tel. Co.	70 11
135820	10- 7-14	Union Dry Dock & Rep. Co.	125 00
135821	10- 7-14	Robins Dry Dock & Rep. Co.	120 00
135822	5-13-14	N. Y. Multi-Color Copying Co.	79 53
135823	8-28-14	Gimbel Bros.	26 30
135824	9-28-14	Keasbey & Mattison Co.	19 25
135825	12-30-13	James Shewan & Sons.	720 00
135826	9-18-14	Remington Typewriter Co.	16 00
135827	8-21-14	Locomobile Co. of America.	20 30
135828	8- 1-14	Bruno Steinel	247 00
135829	5- 6-14	N. Y. Roofing Co.	621 90
135830	5- 6-14	N. Y. Roofing Co.	314 07
135831	9-28-14	L. I. Railroad Co.	27 30
		Board of Estimate and Apportionment.	
136096	9-25-14	Library Bureau	$5 62
136097	9- 5-14	North Moore Garage	13 35
136098	9-14-14	Peerless Elec. Co.	11 25
136099	9- 5-14	Eimer & Amend	23 22
136100	9- 5-14	North Moore Garage	22 50
136101	9- 5-14	Linde Air Products Co.	6 00
136102	5-11-14	Emerson Apparatus Co.	9 30
136103	9- 5-14	Rapid Safety Filter Co.	3 00
136104	9- 5-14	Merck & Co.	103 35
136105	9-25-14	Humboldt Mfg. Co.	20 00
136106	9- 5-14	Gottlieb Greiner	118 57
136107	9- 5-14	Independent Towel Supply Co.	4 50
136194	8-29-14	Provost, Humbert & Williams	9 06
136195	10-13-14	Miss R. Ellis	7 50
136196		United Electric Service Co.	1 60
136197		Kerner Easton	87 36
136198	9-23-14	E. G. Soltmann Co.	2 40
136199		Robt. M. Haig	313 61
136200		Fred'k W. Koop	18 00
136201	10- 6-14	Shaw-Walker Co.	3 50
136202	10-14-14	Keuffel & Esser Co.	47 46
136203	10- 9-14	Public Service Cup Co.	7 00
136204	9-16-14	Geo. J. McFadden	19 50
136205	10-13-14	The Lithoprint Co.	56 78
136206	9-25-14	Semon, Bache & Co.	19 00
136207	9-24-14	Baker, Voorhis & Co.	14 35
136208		John C. Moore Corp.	15 00
136209		John C. Moore Corp.	74 30
136210	10- 5-14	Geo. J. McFadden	5 25
		Department of Education.	
135691	8-13-14	Lorenzo & Byrns	$47 99
135692	8-14-14	N. Y. Elec. Switchboard Co.	3 10
135693	9-10-14	Robertson & Conry	29 93
135694	9- 5-14	M. Weinberg	2 12
135695	9-21-14	Powers Regulator Co.	17 40
135696	9- 1-14	A. Keller	17 00
135697	9- 1-14	Herman Auskulat	7 72
135698	8-10-14	H. Sacks	23 33
135699	8-12-14	Louis Guerr	39 17
135700	9- 8-14	R. Solomon & Son, Inc.	13 49
135701	9-17-14	R. Solomon & Son, Inc.	38 16
135702	8-31-14	The Peck Bros. & Co.	16 95
135703	8-19-14	Charles Williams	86 11
135704	8- 6-14	Rudolph Hedinger	13 50
135705	5-16-14	Lawson Piano Co.	51 30
135706	9-14-14	F. J. Kloes	4 24
136707	9- 5-14	S. Zacharkow	49 04
135708	9- 3-14	Brooklyn Lumber Co.	914 50
135709	8-13-14	A. H. Wermolts	42 00
135710	8- 3-14	Walter Siemers	10 00
135711	8-24-14	J. Friedman	214 00
135712	8- 4-14	Brooklyn Window Shade Co.	98 95
135713	8-14-14	Heywood Bros. & Wakefield Co.	138 75
135714	6- 4-14	C. P. Rogers & Co.	11 25
135715	8- 1-14	F. J. Kloes	50 00
135716	7-17-14	The Reischmann Co.	15 00
135717	9- 3-14	H. T. Dakin	84 56
135718	8-20-14	Richmond School Furniture Co.	30 00
135946	9- 8-14	C. M. Morgan	30 10
135947	9-14-14	Adams Express Co.	1 97
135948	9- 2-14	John E. Eckhoff, Jr.	17 99
135949	8-31-14	Western Union Tel. Co.	5 07
135950	8-27-14	Arthur H. McGrath	7 10
135951	8-11-14	Winton Motor Car Co.	39 80
135952	8-31-14	Tabulating Machine Co.	73 50
135953	8-13-14	Remington Typewriter Co.	40
135954	8- 6-14	Remington Typewriter Co.	75
135955	8-31-14	N. Y. & Bklyn. Towel Supply Co.	6 00
135956	8-31-14	Tabulating Machine Co.	88 00
135957	9-18-14	Wm. Bratter & Co.	3 00
135958	8-27-14	Tabulating Machine Co.	50 00
135959	7-31-14	Patrick Sullivan	75
135960	10- 5-14	Matthew S. O'Connor	17 25
135961	10- 1-14	Frank E. Shearer	18 75
135962	10- 1-14	F. H. Johnson	16 00
135963	8- 6-14	Remington Typewriter Co.	3 75
135964	7-22-14	J. Friedman	10 00
136129	38620	The J. W. Pratt Co.	100 00
136130	38446	E. W. A. Rowles	34 30
136131	38514	Cavanagh Bros. & Co.	20 40
136132	133	Blytheburne Pub. Co.	75
136133	38859	Benj. H. Sanborn Co.	430 56
136134	106	J. H. Lyons & Co.	5 80
136135	38444	F. W. Devoe & C. T. Raynolds Co.	7 33
136136	38438	Milton Bradley Co.	210 01
136137	38447	J. Stacey Sullivan	37 84
136138	38430	Eugene Dietzgen & Co.	116 14
136139	38442	F. S. Banks & Co.	30 22
136140	38445	The H. B. Clafflin Co.	100 34
136141	38432	Keuffel & Esser Co.	59 00
136142	38512	Schoverling, Daly & Gales.	2 90
136143	38768	Otto G. Smith	89 50
136144	38656	Schieffelin & Co.	1 10
136145	38619	M. B. Brown P. & B. Co.	11 47
136146	118	Benj. H. Sanborn & Co.	15 00
136147	38618	The Bklyn. Daily Eagle.	6 30
136148	38437	Syndicate Trading Co.	43 81
136149	660	Parker P. Simmons	64 40
136150	122	The Baker & Taylor Co.	22 40
136151	38514	Cavanagh Bros. & Co.	9 50
136152	38454	E. Steiger & Co.	270 45
136153	38435	Kalt Lumber Co.	124 53
136154	38853	Allyn & Bacon	156 00
136155	150	The Century Co.	93 60
136156	655	D. Appleton & Co.	100 80
136157	126	Allyn & Bacon	58 35
136158	113	American Book Co.	371 91
136159	663	D. C. Heath & Co.	48 00
136160	816	Ginn & Co.	95 52
136161	142	Henry Holt & Co.	169 12
136162	9-22-14	William P. Snyder	22 00
136163	7- 8-14	Royal Card & Paper Co.	23 98
136164	9-17-14	Hogan & Son	64 54
136165	9-14-14	W. R. Ostrander & Co.	27 08
136166	7-17-14	Eimer & Amend	1 35
136167	5-29-14	Eugene Dietzgen Co.	78 24
136168	9-12-14	Calvin Tompkins	4 00
136169	9-15-14	J. W. Pratt Co.	53 55
136170	9-10-14	Underwood Typewriter Co.	2 50
136171	5- 6-14	John Wanamaker	6 00
136172	9-16-14	Weston Elec. Instrument Co.	24 45
136173	7-22-14	Shaw, Walker Co.	86 00
136174	9-16-14	M. J. Tobin	5 20
136175	9- 9-14	F. C. Stechert Co.	2 10
136176	7- 2-14	Koller & Smith Co.	11 80
136177	8-19-14	Montgomery & Co.	283 52
136178	9- 7-14	H. Heinrich	40 29
136179	9- 8-14	M. J. Tobin	261 65
136180	6-30-14	Oliver Typewriter Co.	35 00
136181	9-14-14	L. T. Scott	5 75
136182	8-31-14	Standard Oil Co. of N. Y.	14 85
136183	9- 9-14	Alfred Field & Co.	10 70
136184	8- 8-14	Wadsworth, Howland & Co., Inc.	11 00
136185	9- 8-14	Spingarn Bros.	20 00
		Department of Finance.	
135787		Israel Tauster	1,560 00
135785		Emilie Schweikert	294 80
135786		Otto F. Wagner et al.	1,993 38
135837		American Guardian Society & Home for the Friendless.	933 57
135838		Brooklyn Home for Blind, Crippled & Defective Children	458 00
135839		Columbus Hospital	713 85
135840		Mary Immaculate Hospital.	713 35
135841		N. Y. Homeopathic Medical College & Flower Hospital.	1,186 90
135842		N. Y. Homeopathic Medical College & Flower Hospital.	94 75
135843		N. Y. Infirmary for Women & Children	232 90
135844		St. Marks Hospital of New York City	178 55
135845		St. Marks Hospital of New York City	13 95
135846		Sydenham Hospital	571 60
135847		Sydenham Hospital	5 40
135848		St. Malachys Home	9,768 95
135849		The N. Y. Society for the Relief of the Ruptured and Crippled	1,320 17
135850		The N. Y. Society for the Relief of the Ruptured and Crippled	141 92
135851		The Ozanam Home for Friendless Women	299 86
135852		The Sloane Hospital	1,342 35
135853		Catholic Guardian Society	262 50
135854		County of N. Y. St. Josephs Institute for the Improved Inst. Deaf Mutes	8,893 24
135855		County of Bronx St. Josephs Institute for the Improved Inst. of Deaf Mutes	4,122 89
135856		County of Kings St. Josephs Institute for the Improved Inst. of Deaf Mutes	6,547 84

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
135857		County of Queens St. Josephs Institute for the Improved Inst. of Deaf Mutes.	623 70
135858		County of Richmond St. Josephs Institute for the Improved Inst. of Deaf Mutes.	142 41
135859		The Schools of the Female Guardian Society Home School	32,612 50
135860		The School for the Reformation of Juvenile Delinquents, House of Refuge	2,850 00
135861		The School of the Leake & Watts Orphan House	817 50
135862		Five Points Mission	2,392 50
135863		The School Establishment Maintained by the Five Points House of Industry	300 00
135864		N. Y. Roman Catholic Orphan Asylum, Girls	3,465 00
135865		N. Y. Roman Catholic Orphan Asylum, Boys	3,367 50
135866		The Industrial Schools Established & Maintained Unthe Charge of the Children's Aid Society	30,322 50
135867		The School Established & Maintained by the N. Y. Society for the Relief of the Ruptured & Crippled, Manhattan	735 00
135868		The New York Institute for the Blind, Manhattan	487 50
135869		Roman Catholic Orphan Asylum Society of the City of Bklyn., St. Johns, Boys	8,032 50
135870		Roman Catholic Orphan Asylum Society of the City of Bklyn., St. Johns, Girls	3,982 50
135871		Orphan Asylum Society of the City of Brooklyn	1,402 50
135872		Church Charity Foundation of Long Island	667 50
135873		Bklyn. Howard Colored Orphan Asylum	1,417 50
135874		Industrial School Assn. of Brooklyn, E. D	2,557 50
135875		Convent of the Sisters of Mercy in Brooklyn	5,685 00
135876		Sheltering Arms Nursery	240 00
135877		German Orphan Home	4,995 00
135878		Chamberlain of The City of New York	3,740 00
135907		Nathaniel W. Keane	1,000 00
135908		John Reis	175 00
135909		Estate of Charles A. Coe	411 00
135910		Bernard Frank	606 25
135911		Adam Happel	1,000 00
135912		William Seguine et al	375 00
135913		Wm. C. Walker's Sons, Agts for Kalman Haas, Exec., etc., David L. Einstein	1,375 00
135914		Jeanette Jacobs	87 50
		Wendell L. N. Nichols	950 00
135916		Mrs. Rebecca Greacen	450 00
135917		Henry Bescher et al	105 00
135918		Clinton R. James, attorney for David G. Legget	1,015 50
135919		Tammany Central Assn. of City of New York	1,000 00
135920		Alexander Seabert et al	450 00
135921		Mrs. Barbara Herot	45 00
135922		Williams Realty Co.	150 00
135923		The Bee Holding Co	40 00
135924		David G. Legget	355 12
135925		Louis Langman	73 50
135926		Henry E. Coe	137 50
135927		John R. Ryan	200 00
135928		Agostino Poscatore	133 50
135929		Mary T. Brosnan et al	250 00
135930		Thos. A. Clarke	2,125 00
135931		South Ozone Park Assn	125 00
135932		T. J. Oakley Rhinelander	1,500 00
135933		Geo. W. Short, Atty for Wells Holding Co.	150 00
135934		Pincus Lowenfeld and Wm. Prager	105 00
135935		N. Y. Wholesale Fish Dealers' Assn.	83 33
135936		Wm. Horrmann et al	20 00
135937		Wm. C. Bergen	130 31
135938		Wein Bros. Real Est. Co., Inc.	1,196 25
135939		Kennedy & Herzog, Attys. for Wm. E. Smith, Jr	60 00
135940		Jas. E. Mullar et al	275 00
135941		C. Henry Offerman et al	4,805 32
135942		C. Henry Offerman et al	1,776 60
135943		Excelsior Estates Co.	5,000 00
135944		The Press Pub. Co	56 67
135945		Chas. E. Raynor	5 00
136339		Anthony N. Liesenbein	24 98
136340		Gustave Schulze	92 92
136341		John H. Timmerman	15 00
136342		Kate Adams	1 25
136343		John F. Pendergast, Admins. Est. of Wm. C. Pendergast, Deceased	9 33
136344		Ann Martin	3 55
136345		Julia O'Sullivan	8 13
136346		Cauldwell-Wingate Co.	9 55
136347		Morris Harris	1 67
136348		Joseph Solomon	5 07
136349	9-29-14	Kissel, Kinnicutt & Co	30 00
136350		Wm. F. Gleason	4 72
136351		Estate Cyrille Carreau	38 00
136352		Estate Cyrille Carreau	6 67
136353		Arthur Johnson	10 00
136354		F. W. Seagrist, Jr., Co	7 00
136355		Michael J. Adrian Corp	5 00
136356		Michael J. Adrian Corp	5 00
136357		Charles Werner	10 00
136358		Manhattan Company	52 34
136359		Jas. Witkop et al	22 00
136500		Jefferson County Savings Bank	1,000 00
136501		Staten Island Savings Bank.	700 00
136502		Fidelity Trust Co., New York City	25,389 64
		Fire Department.	
135832	39485	Rlfred Chatwin Supply Co	284 58
135833	40476	Horace Ingersoll Co.	2,215 64
135834	39034	Wm. Farrell & Son	1,500 72
135835	39030	T. R. Thorn & Co	267 60
135836	9-30-14	Albert De Roode	20 00
		Department of Health.	
136286	38612	Knickerbocker Ice Co.	$789 35
136287	39537	M. M. Elish & Co	84 96
136288	39823	Bausch & Lomb Optical Co.	18 87
136289	39547	Henry Allen	75 00
136290	40291	J. P. Duffy Co	355 00
136291	38565	Swift & Co.	3,491 94
136295	10- 1-14	S. Hubbs	2 70
136296	9- 1-14	Knickerbocker Ice Co.	24 57
136297	9-10-14	E. G. Soltmann	12 96
136298	9-10-14	John Simmons Co.	3 25
136299	9-23-14	A. P. W. Paper Co	5 75
136300	9-26-14	Bausch & Lomb Optical Co.	4 50
136201	9- 1-14	Knickerbocker Ice Co.	3 20
136302	9-14-14	The Roessler & Hasslacher Chem. Co.	18 30
136303	4-30-14	H. T. Jarrett	6 37
136304	9-24-14	Bloomingdale Bros.	30 74
136305	10- 2-14	Eidt & Weyand	6 28
136306	9-10-14	Federal Paper & Supply Co.	14 95
136307		Swan & Finch Co	37 50
136308	9- 1-14	Ingram Bros.	24 35
136309	4-30-14	N. J. Frame & Picture Co	1 00
136310	8-31-14	The Tabulating Machine Co.	56 00
136311		Crown Stamp Works	12 60
136312	9-14-14	A. F. Brombacher & Co	1 80
136313	7-24-14	Rand, McNally & Co	3 50
136314		The Globe-Wernicke Co	4 40
136315	9-14-14	Crown Stamp Works	6 50
136316	10- 5-14	Crown Stamp Works	45
136317	9-22-14	G. E. Stechert & Co	1 98
136318	9-23-14	T. G. Patterson, Inc	42 50
136319	10- 2-14	Syndicate Trading Co	5 08
136320	9-21-14	George Tiemann & Co	8 50
136321	8-21-14	Crown Surgical Instrument Co., Inc.	24 00
136322	9-10-14	F. A. Hardy & Co., Inc	2 54
136323	7-20-14	Chas. E. Miller	2 64
136360		J. A. Del Solar	13 00
136361	8- 5-14	E. Schoonmaker Co	79 20
136362	8-20-14	Pedersen Lubricator Co	25 00
136363	8-14-14	E. Schoonmaker Co	20 54
136364	9-17-14	Pittsburgh Plate Glass Co	9 35
136365	9- 8-14	De Grauw Aymar & Co	211 37
136366		Hammacher, Schlemmer & Co.	6 43
136367	9-22-14	N. Y. Belting & Packing Co.	3 25
136368	9-17-14	The Gutta Percha & Rubber Mfg. Co.	43 00
136369	9-18-14	The Consolidated Hospital Supply & Laundry Machinery Co.	7 50
136370	9-30-14	Arthur C. Jacobson & Sons.	3 00
136371	7-14-14	Wm. Zinsser & Co	240 18
136372	9-25-14	Thomas C. Dunham	57 95
136373	8-22-14	Walter J. Buzzini, Inc	6 00
136374	8-12-14	John A. Roebling's Sons Co.	11 21
136375	7-17-14	T. C. Moore & Co	3 60
136376	9-23-14	Keystone Type Foundry	2 12
136377	9-29-14	J. H. Spanjer & Co	5 95
136378	9-28-14	T. C. Moore & Co	4 60
136379	9-24-14	Remington Typewriter Co., Inc.	5 40
136380	10- 3-14	The Oliver Typewriter Co.	10 00
136381	9-29-14	E. B. Meyrowitz	2 75
136382	8- 1-14	Lunny & Handibode	7 15
136383	9-12-14	Sheppard & Kellett	52 35
136384	3- 2-14	M. S. Brown	4 75
136385	8-27-14	Bligh & Engel	19 48
136392	38562	Thos. M. Blake	1,152 23
136393	38561	Frank J. Lennon & Co	266 27
136394	38570	Borden's Condensed Milk Co.	140 85
136395	38571	Henneberger & Herold	852 12
136396	39227	J. F. Gylsen	258 83
136397	38572	Conron Bros. Co	758 40
136398	39230	John Bellmann	462 75
136399	39229	Lewis De Groff & Son	926 96
136400	38696	John W. Peale	135 28
136401	39539	David Berg Distilling Co	1,963 64
136402	39529	Jas. T. Dougherty	156 00
136403	39694	F. S. Banks & Co	67 40
136404	39824	Eimer & Amend	171 85
136405	39206	The Holbrook Mfg. Co	312 94
136406	7-22-14	Reiff Bros. Co	22 70
136407	9-16-14	Lunny & Handibode	7 00
136408	8-27-14	Bligh & Engel	3 20
136409	7-25-14	W. R. Smith & Co	6 00
136410	10- 1-14	Franz Benthin	4 60
136411	9-22-14	Library Bureau	4 25
136412	7-25-14	L. C. Smith & Bros	1 15
136413	9-19-14	Singer Sewing Mach	5 00
136414	10- 9-14	George P. Pilling & Son	3 00
136415	8- 4-14	Carrie E. Suhnhoff	1 70
136416	7-20-14	George Mosher	80
136417	9-21-14	Marion B. McMillan, M. D.	1 15
136418	9-23-14	Marion B. McMillan, M. D.	6 50
136419	9-26-14	Marion B. McMillan, M. D.	9 00
136420	9-26-14	Marion B. McMillan, M. D.	8 00
136421	10- 1-14	M. T. Kenny	25 50
136422	9-30-14	Durkin & Ryan	5 50
136423	10- 5-14	Thomas Glackin	25 00
136424	7-31-14	P. Franz & Co	27 00
136425		Cen. Union Gas Co	3 00
136426	10- 1-14	J. H. C. Johansmeyer	4 00
136427	9-18-14	F. N. Du Bois & Co	52 00
136428	9- 1-14	Edward Dodd	3 32
136429	9- 1-14	Powers Accounting Mach. Co.	70 00
136430	7- 1-14	Powers Accounting Mach. Co.	64 40
136431	7-30-14	Frank J. Lennon Co	163 65
		Commissioner of Jurors, Bronx County.	
135775	9-30-14	N. Y. Telephone Co	$12 65
		Police Department.	
136432	10- 1-14	F. J. Batzing	$6 00
136433	10- 1-14	M. R. Brennan	29 95
136434	9-24-14	F. E. Downey	5 40
136435	10- 3-14	Morris Friedlander	10 60
136436	9-29-14	Morris Hannon	92
136437	10- 3-14	Max Lowe	10 60
136438	9-29-14	Chas. G. Mead	1 20
136439	9-28-14	Herman Meyer	4 00
136440	10- 1-14	George J. Silva	8 20
136441	10- 1-14	Matron Mary Sullivan	3 15
136442	10- 2-14	Western Union Telegraph Co.	12 00
136452		Arthur Woods	1,587 00
		President of the Borough of Manhattan.	
135971	10- 9-14	B. E. Weeks	$14 00
135972	8- 1-14	William Holchan	9 22
135973	8- 1-14	Lincoln Garage	28 80
135974	7-16-14	The Lithoprint Co.	49 83
135975	10- 3-14	Arthur McConnell	16 25
135976	10- 1-14	Pettinos Bros.	34 30
135977	9-29-14	Buhne Metal Packing Co	90 00
135978	8-20-14	Remy Electric Co.	6 00
135979	6-27-14	Pope Motor Car Co	107 03
135980	8-20-14	Buick Motor Co.	58 54
135981	9- 1-14	I. C. Underhill & Co	20 00
135982	9-29-14	A. F. Brombacher & Co	6 00
135983	10- 1-14	Gutta Percha & Rubber Mfg. Co.	11 45
135984	8-27-14	Frank Richard & Gardner Co.	32 00
135985	9- 1-14	Neal & Brinker Co	2 15
135986	9- 3-14	Kalt Lumber Co.	55 60
135987	9-10-14	Montgomery & Co., Inc	17 78
135988	7- 3-14	Mason Mfg. Co.	57 60
135989	7-28-14	Prince Mfg. Co.	18 75
135990	10- 1-14	H. W. Johnsmanville Co	60 00
135991	10- 3-14	J. S. Bushnell & Co	8 00
135992	10- 3-14	Mason Mfg. Co.	7 52
135993	10- 1-14	Otis Elevator Co.	5 40
135994	9-25-14	Armstrong Cork and Insulation Co.	7 20
135995	9-25-14	George R. Starrs	11 81
135996	10- 1-14	Henry Maurer & Son	13 50
136108	10- 7-14	Laconia Cont. Co.	523 07
136109	10- 9-14	Adam Cook's Sons	44 40
136110		John McCarten's Son	52 20
136111	9- 1-14	The Lincoln Garage	20 00
136112		The American Dist. Tel. Co.	2 70
136113	7-31-14	John Manning	35 33
136114		S. Cirigliano	22 18
136115		E. Belcher Hyde	21 00
136116	7- 8-14	Boyd's City Dispatch	18 90
136117		Sterling Top & Equipment Co., Inc.	20 00
136118	9-19-14	Standard Auto Parts Metal Works	16 50
136119	8-22-14	Remy Electric Co.	4 00
136120		Berkshire Springs Co.	63 30
136121		Union Towel Supply Co	68 34
136122		Foster Scott Ice Co.	52 55
136123		American Can Co.	22 08
136124	8-27-14	John Simmons Co.	14 85
136125	9-23-14	W. J. Fitzgerald	16 28
136126	8-31-14	Eastern Pav. Co.	21 00
136127	9-21-14	W. J. Fitzgerald	90 18
136128	9- 1-14	Dayton Hedges	42 00
136193		Sicilian Asp. Pav. Co	9,511 20
		President of the Borough of The Bronx.	
136504	39171	Spadaro Cont. Co.	$4,751 76
136505	36677	The Asphalt Const. Co	33 52
136506	36894	The Asphalt Const. Co	393 76
136507	40178	The Asphalt Const. Co	10,699 29
136503	36677	The Asphalt Const. Co	1,930 34
136509	36890	Dayton Hedges	1,098 94
135740		Wm. A. Prendergast	599 23
135741	36468	Peter B. Stanton	9,624 97
		President of the Borough of Brooklyn.	
136453	37137	Chas. Puckelwaldt	$111 90
		President of the Borough of Queens.	
136324	40372	Peace Bros.	$10,948 00
136325	40319	Warner Quinlan Asp. Co	7,212 23
136326	38679	Clancy & Van Alst	2,688 12
		Department of Public Charities.	
135997	9-21-14	J. F. Gylsen	$35 28
135998	9- 8-14	Chas. F. Mattlage & Sons	18 00
135999	8-17-14	A. Kreamer	16 05
136000	8-22-14	Agent & Warden, Auburn.	46 25
136001	10- 3-14	John Wanamaker	110 75
136002	10- 3-14	B. Ackermann Co	60 00
136003	10- 1-14	Blackford's	11 75
136004	8-31-14	Empire State Dairy Co	2 50
136005	8-31-14	Samuel E. Hunter	190 97
136006	7- 9-14	Hunter & Trimm Co	77 70
136007	9-22-14	F. H. Leggett & Co	2 49
136008	5- 6-14	National Biscuit Co	18 29
136009	9- 9-14	Wm. Schmidt	20 40
136010	9-24-14	James T. Smith	106 80
136011	9- 2-14	Liquid Carbonic Co	297 00
136012	9-23-14	Cassella Color Co	2 35
136013	9-12-14	Detroit-Cadillac Motor Car Co.	1 15
136014	7- 7-14	Revere Rubber Co	8 25
136015	8- 5-14	Joseph Weil	16 60
136016	3-25-14	J. W. Buckley Rubber Co	42 50
136017	5-26-14	Fairbanks Co.	71 25
136018	6-19-14	Candee, Smith & Howland Co.	62 00
136019	8- 4-14	J. S. Biesecker	5 10
136020	4- 7-14	Hull, Grippen & Co	17 37
136021		Valentine Goetz	19 05
136022		Sage Brothers	40 00

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
136023		Edward Mackey	48 00
136024	9-16-14	Meyers & Grayson	12 75
136025	6-30-14	Municipal Garage	89 13
136026	9- 1-14	Richmond Garage	2 95
136027	9-19-14	Sterling Top & Equip. Co.	50
136028	9-21-14	Daly's Manhattan Express	42 50
136029	8-31-14	J. J. Snyder & Son	2 50
136030	7-31-14	Egler's Mt. Vernon Bakery	16 76
136031	9-18-14	John Bellmann	14 12
136032	7-16-14	Henry Ebbighausen	2 10
136033	9- 3-14	J. H. Michaels Co	9 87
136034	9-30-14	Jacob Boss	147 50
136035	9-17-14	Blackford's	173 21
136036	9-24-14	James T. Smith	129 41
136037	9- 1-14	Sulzberger & Sons Co	115 80
136038	9-15-14	A. B. Dick Co	12 85
136039	9- 2-14	Public Service Cup Co	7 00
136040	5- 4-14	Wolf, Sayer & Heller	11 00
136041	6-19-14	Fiss, Doer & Carroll Horse Co.	9 00
136042	9-11-14	Dept. of Correction	60 00
136043	2-13-14	Underwood Typewriter Co.	75
136044	7- 6-14	Kny-Scheerer Co.	87 40
136045	9-18-14	Robert Simpson	11 30
136046	7-16-14	Firestone Tire & Rubber Co.	33 06
136047	8-20-14	New Amsterdam Gas Co	3 00
136048	9-14-14	Allen N. Spooner & Son, Inc.	114 84
136049	8- 1-14	Dept. of Correction	261 90
136050	10- 5-14	John Bellmann	2 00
136051	9-17-14	Blackford's	84 57
136052	8-31-14	Egler's Mt. Vernon Bakery.	19 84
136053	9-30-14	Jacob Boss	257 28
136054	8-31-14	Samuel E. Hunter	45 16
136055	9-30-14	Samuel Rothman	9 13
136056	9-30-14	Walker Gordon Laboratory Co.	106 25
136057	8- 1-14	Lehn & Fink	19 05
136058	9- 2-14	Schieffelin & Co	38 29
136059	9-21-14	Frank T. Simmons	50 05
136060	10- 1-14	James T. Smith	309 57
136061	9- 1-14	Powers-Weightman-Rosengarten Co.	37 34
136062	9-29-14	Bruen, Ritchey & Co	9 35
136063	9-11-14	William Finan	39 75
136064	9-23-14	John Greig	434 81
136065	9- 1-14	L. V. Bateman	138 77
136066	5- 5-14	S. D. Woodruff & Sons	1 00
136067	9-24-14	Brennan & Duffy	9 55
136068	7-31-14	Howe Liniment Co	10 00
136069	8-21-14	Standard Supply Co	8 00
136070	5-12-14	Kipp Wagon Co	68 45
136071	8-22-14	G. Krumm	6 00
136072	8-27-14	Syndicate Trading Co	32 00
136073	9-24-14	Frank Richard & Gardner Co.	11 52
136074	7-10-14	Akron Rubber Tire Co	20 00
136075	9-15-14	Gen. Supply & Repair Co	19 60
136076	6-30-14	James H. O'Brien	1 60
136077	9-14-14	Preservative Products Co	10 33
136078	8-26-14	Singer Sewing Mach. Co	2 45
136079	9-28-14	Underwood Typewriter Co.	7 25
136080	9-25-14	James Y. Watkins	2 90
136081	9- 1-14	Joseph W. Miller	13 25
136082	6-30-14	Daniel Pollard	82 25
136083	9-26-14	Detroit-Cadillac Motor Car Co.	1 20
136084	9-23-14	Richmond Garage	250 00
136085	9- 4-14	West End Auto Supply Co.	1 95
		Sheriff, New York County.	
135719	9-30-14	Franco-American Baking Co.	$16 84
135720	9-30-14	Leon C. Weinstock	108 26
135721	9-21-14	J. B. Greenhut Co	61 17
135722	9-30-14	Fredk. Luhring	16 80
135723	9-30-14	Kaspar & Welke	60 00
135724	10-14-14	Wm. Cleary & Son	11 00
135725	9-10-14	Knickerbocker Towel Supply Co	11 50
135726		Knickerbocker Ice Co	8 59
135727	6- 1-14	American Distilled Water Co.	39 60
135728	10- 1-14	R. P. Lumley	19 00
135729	9- 2-14	Max S. Griffenhagen	50 00
135730	9-30-14	D. F. Corker	8 06
135731		Knickerbocker Ice Co	2 27
135732	9-14-14	J. B. Greenhut & Co	7 37
135733	9-30-14	Chas. H. Zimmerman	9 00
135734		H. Walker	1 00
135735	8-30-14	John T. Stanley	1 50
135736	9-30-14	Max S. Griffenhagen	52 26
135737		Max S. Griffenhagen	8 49
135738	9-16-14	S. Baitelman	19 25
135739	10- 6-14	Cohen Bros.	47 50
		Department of Street Cleaning.	
135742		J. T. Fetherston, Commissioner	$284 91
135743		J. T. Fetherston, Commissioner	269 97
136443		J. T. Fetherston	272 38
		Department of Water Supply, Gas and Electricity.	
136444		J. L. Pultz	$127 14
136445		School Dist. 9, Town of Yorktown	57 54
136446		School Dist. 6, Town of Mt. Pleasant	45 43
136447		Harold H. Havill	36 95
136448		Wm. A. Drew	17 80
135744	38048	John Fox & Co	688 05
135745	35341	The N. Y. Edison Co	11 53
135746	35341	The N. Y. Edison Co	38 76
135747	35242	United Electric Light and Power Co	61 38
135748	39118	Flatbush Gas Co	28 00
135749	39120	Bklyn. Borough Gas Co	187 00
135750	39117	Bklyn. Union Gas Co	407 00
135751	39970	Edison Electrical Ill. Co. of Brooklyn	15 00
135752	39114	Welsbach Street Lighting Co.	11,352 23
135753	39112	Welsbach Street Lighting Co. of America	7,485 27
135754	39113	Welsbach Street Lighting Co. of America	13,177 07
135755	39113	Welsbach Street Lighting Co. of America	6,588 07
135756	39115	Welsbach Street Lighting Co. of America	23 50
135757	39115	Welsbach Street Lighting Co. of America	749 09
135758	39117	Bklyn Union Gas Co	11,347 62
135759	39120	Bklyn. Borough Gas Co	737 04
135760	39118	Flatbush Gas Co	1,239 25
135761	39969	Flatbush Gas Co	8,852 32
135762	39145	N. Y. & N. J. Globe Gas Light Co	14,813 16
135763	39970	Edison Electric Ill. Co. of Brooklyn	46,326 33
135764	39123	Queens Borough Gas and Electric Light Co	362 38
135765	39982	Queens Borough Gas and Electric Co	4,472 71
135766	40154	The Bronx Gas & Electric Co.	690 11
135767	39970	Edison Electric Ill. Co	1,443 60
135768	39970	Edison Electric Ill. Co	603 62
135769	39970	Edison Electric Ill. Co	1,727 90
135770	39970	Edison Electric Ill. Co	227 66
135771	39326	Edison Electric Ill. Co	3,644 80
135772	39111	The National Gas Governor Co. of U. S.	2,188 80
135773	37682	Reuben Isaacson & Aaron Isaacson	226 12
135774	37683	Robt. J. Mackey	1,591 20
136186	37064	The Degnon Cont. Co	66,444 77
136187	39594	Riverside Cont. Co	10,194 50
136188	40167	John Fox & Co	1,989 39
136189	39726	Campbell & Smiley	225 72
136190	39727	Geo. Stanton	2,997 58
136191	39439	B. Diamond	6,332 44
136192	40271	The M. W. Kellogg Co	264 80
136327		Welsbach Street Lighting Co. of Amer	211 29
136328		George Sheridan	22 85
136329		Hugh F. McLaughlin	20 00
136330		Joseph Hone	56 91
136331		H. R. Emerson, Clk	112 37
136332		Wm. R. Birdsley	73 99
136333		School District No. 9, Town of Bedford, W. T. Eggleston, Col. of Taxes	37 26
136334		School District No. 1, Town of New Castle	5 59
136335		School District No. 6, Town of Lewisboro, Poundridge & Bedford	110 30
136336		School District No. 8, Town of South East	261 59
136337		Joint School District No. 9, Towns of Patterson & Kent.	59 30
136338		John A. Behr	971 50

Borough of Richmond.

Report for Week Ended September 19, 1914:

Public Moneys Received During Week September 16, 1914: Restoring and repaving, special fund (fees), $1,375.22; sewer inspection and repair, special fund (fees), $25; special security deposits (materials on streets, etc.), $5; contract security deposits (with bids or estimates), $93.75; total, $1,498.97.

Permits Issued Week September 16, 1914—Permits to open street pavement for all purposes, 28; permits to place building materials on streets, 1; permits, special and miscellaneous, 31; total, 60.

Requisitions Drawn on Comptroller—Payroll vouchers, $7,077.66; contract vouchers, $18,213.90; miscellaneous vouchers, $41.75; total, $25,333.31.

Contracts Awarded—Engineering construction, temporary sanitary sewer, St. Marys Ave. between Reynolds st. and 130 feet southwest, September 15, 1914, $224; John E. Donovan, Port Richmond, L. I., contractor; Globe Indemnity Co., New York City. Engineering construction, temporary combined sewer, Fletcher St. from Wall St. to Clifton Ave., September 15, 1914, $986.94; Joseph Johnson Sons, West New Brighton, S. I., contractor; Globe Indemnity Co., New York City Surety.

Laboring Force Employed.

(Eight Hours Constitute One Working Day.)

	Bureau of Highways.		Bureau of Sewers.		Bureau of Street Cleaning.		Bureau of Public Buildings and Offices.		Bureau of Engineering		Total.	
	No.	Days.	No.	Days.	No.	Days.	No.	Days.	No.	Days.	No.	Days.
Foremen	21	122	3	21	11	77	1	6	5	30	41	256
Assistant Foremen	..	..	..	..	1	7	..	..	..	..	1	7
Laborers	109	630	3	18	42	291	16	87½	23	132	193	1,158½
Carts	12	72	..	..	..	..	..	..	..	..	12	72
Carts (hired)	..	..	..	..	8	48	..	..	..	..	8	48
Sprinkling teams	1	½	..	..	..	..	..	..	..	..	1	½
Teams	26	137½	..	..	..	..	..	..	..	..	26	137½
Drivers	..	..	3	18	52	354	1	6	5	30	61	408
Sweepers	..	..	..	..	92	642	..	..	..	..	92	642
Hostlers	..	..	..	..	10	70	..	..	..	..	10	70
Steam Roller Enginemen	4	24	..	..	..	..	..	..	..	..	4	24
Auto Enginemen	..	..	1	7	..	..	..	..	2	14	3	21
Sewer Cleaners	..	..	16	89¼	..	..	..	..	..	..	16	89¼
Janitors	..	..	..	..	..	..	4	28	..	..	4	28
Janitress	..	..	..	..	..	..	1	7	..	..	1	7
Female Cleaners	..	..	..	..	..	..	6	42	..	..	6	42
Mechanics	..	..	..	..	1	7	3	14½	..	..	4	21½
Stationary Enginemen	..	..	..	..	2	14	2	14	..	..	4	28
Stokers	..	..	..	..	3	21	4	28	..	..	7	49
Elevatormen	..	..	..	..	..	..	2	14	..	..	2	14
Total	173	985⅝	26	153¾	222	1,531	40	246⅜	35	206	496	3,123¼

Services Ceased—September 17. Foreman, at $3.50 a day: P. Burbank, West New Brighton; W. Manee, Princes Bay. Laborers, at $2 per day: Thos. Stowe, Stapleton; P. Ghigliotte, Dongan Hills; John W. Sharrott, Dongan Hills; G. C. Batz, Stapleton; G. C. Thompson, Stapleton; B. Dessaro, Tompkinsville; E. Merrill, Mariners Harbor. Laborer, at $2.50 per day: S. Maratta, Port Richmond.

Work Done.

Bureau of Highways—Repairing and maintaining roadways, curbs, gutters, bridges, crosswalks, culverts, ditches, etc.

Bureau of Sewers—Cleaning, examining and repairing sewers, basins, manholes, flush tanks, culverts, drains, etc., and miscellaneous work.

Bureau of Street Cleaning—Street sweeping, refuse collection, final disposition, clearing gutters, light macadam repairs, weeding gutters and miscellaneous.

Bureau of Public Buildings and Offices—Care and maintenance of Borough Hall, Village Halls at New Brighton and Stapleton, County Court House and Jail, County Clerk's Office, Coroner's Office, Special Sessions Court Room and Public Offices in Borough of Richmond.

Bureau of Engineering—Surveys, plans, design and construction of sewers, highways, curbs, gutters, sidewalks, etc., also topographical survey and map of the Borough; miscellaneous surveying maps, etc.

CHARLES J. McCORMACK, President.

Department of Public Charities.

Report for week ended October 10, 1914.

Contracts Awarded—Anchor Corrugating Construction Co., 62 Cortlandt St., laying new tin roof and repairing slate and sheet metal work on T and S Building, Metropolitan Hospital; surety, $1,200; amount of award, $2,084. Edw. Theriault, 946 Flatbush Ave., Brooklyn, installation of certain awnings and screens on various buildings of Sea View Hospital; surety, $8,000; amount of award, $14,800. Quality Sheet Metal Works, 624 E. 13th St., laying new tin roof and making repairs to slate and sheet metal work on Metropolitan Hospital Building; surety, $2,500; amount of award, $4,561. James Shewan & Sons, foot 27th St., Brooklyn, repairing steamer "William H. Wickham"; surety, $900; amount of award, $1,744.

Appointments—Trained Nurse: Aidman, Henrietta, $600. Hospital Helpers: Alden, James C., $180; Anderson, Annie, $240; Barrett, Helen J., $240; Barrington, Anna, $180. Trained Nurse: Barrow, Louise, reappointed, $600. Hospital Helpers: Beaumont, J. Milton, $180; Bergin, Martin, $240; Branch, Estella N., $240; Breen, Bernard M., $240. Oiler: Breen, Matthew (T. E.), $3 per day. Hospital Helpers: Brown, Maud C., $300; Burns, Delia, $240; Burns, Elizabeth, $240; Canty, Ellen, $240. Trained Nurse: Christie, Beatrice E., $600. Hospital Helpers: Cleaver, Laura B., $600; Cofren, Norma L., $360; Conlon, James F., $240; Corr, Margaret, $240; Cross, Mary T., $480 Cronin, Birdie, $240. Trained Nurse: Dershimer, Laura, $600. Hospital Helpers: Donnelly, John, $180; Dooley, Susan, reappointed, $180; Dougherty, Chris, reappointed, $180; Dougherty, Ella, $480; Egan, Frank, $240; Faulkner, Margaret, $300. Trained Nurse: Fisher, Emma, $600. Hospital Helpers: Flynn, Mary, $240; Foley, Mary, $180; Gardner, Samuel H., $480; Gilbert, John, $300. Trained Nurse: Gordon, Martha C., reappointed, $600. Hospital Helpers: Gorman, John, $180; Haas, Oscar, $360; Haggerty, Margaret, $240; Halvorsen, Borghild, $360; Hanrahan, Michael, $480. Trained Nurses: Hastings, Elizabeth, $600; Henderson, Rose, reappointed, $600. Hospital Helpers: Herbert, Catherine, $180; Hertel, Ida, $240; Joyce, Walter, reappointed, $360. Resident Interne: Katz, Elihu, $480. Licensed Fireman: Kennedy, John E. (T. E.), $3 per day. Hospital Helper.: Kiely, Catherine, $480. Stenographer and Typewriter: Kiernan, Cecelia (T. E), $600. Hospital Helpers: Kiernan, John T., reappointed, $180; King, James, $240; King, Mary, $240. Trained Nurse: Knowlton, Edith M., reappointed, $600. Hospital Helpers: Kramer, Laura, $480; Leonard, Clifford, $240; Leonard, Kate, $240; Maloney, David J., $180. Cook: Mastri, John, $600. Hospital Helpers: Mead, Herbert R., $240; Mulholland, Delia, $180; Mullen, Frank J., $180; Mullen, Felix, $300. Attendant: Mullen, Felix, reappointed, $360. Hospital Helper: Mullen, Charles, $180. Attendant: Murphy, Christine, $360. Hospital Helpers: Murray, Thomas, $240; McCabe, George, $180. Stenographer and Typewriter (temporary): McCann, Kathryn V., $600. Hospital Helpers: McCartin, John, $420; McCormick, John, $180; McGraw, Nellie, $240; Neustadt, Herman, reappointed, $600; Olsen, Lilla, $300; O'Neill, Thomas, $240; Phillips, Esther E., $600. Clerks: Picard, Josephine M., $750; Reardon, Irene V. (T. E.), $600 Hospital Helpers: Reilly, Edward, $180; Reilly, Thomas, reappointed, $180; Richard, Elsie O., $480; Rixcon, Annie, $240; Roberts, William, $180; Ruppert, John, $180. Clerk: St. Challier, Albert (T. E.), $600. Hospital Helpers: Sands, Mary, reappointed, $180, Schanbeck, Paul, $192; Searly, William, reappointed, $240; Shanahan, Bridget, $240; Sherlock, Thos. F., $180; Smith, Annie, $192; Smith, Jonas, $480; Stanicks, Frank, $180; Stapleton, Helen, $600; Starr, John, $180; Sweeney, John, reappointed, $180. Trained Nurse: Terek, Anna, $600. Hospital Helpers: Thomas, Stanley, $480; Toomey, Sarah, $192. Trained Nurse: Twining, Lillian, $600. Hospital Helper: Ulrich, Mary, $180. Trained Nurse: Weller, Barbara, $600. Hospital Helpers: Wild, George, $180; Wilbur, Mary, $240; Ziegler, Josephine, $240.

Resigned—Trained Nurses: Beach, Elinor, $600; Billiana, Bertha, $600. Hospital Helpers: Brown, Ray, $180; Burns, Delia, $240; Burns, Elizabeth, $240; Casey, Bessie, $300. Trained Nurse; Colburn, Edith, $600. Attendants, Creigle, John E., $360; Cronin, Birdie, $240. Trained Nurses: Danielson, Bessie W., $600; Darling, A. Orlene, $600; Davidson, Florence L., $600. Hospital Helpers: Doyle, Hugh M., $360; Dunn, Warren D., $480; Felton, Lillian, $360; Fisher, Mary, $180; Flanagan, Beatrice, $480; Frear, Mildred L., $600; Frost, Nathaniel, $180. Trained Nurse: Goodson, Catherine M., $600. Hospital Helpers: Gratz, Elizabeth, $360; Haas, Oscar, $360; Hauff, Agnes, $180; Henry, Frances J., $240. Trained Nurse: Hunter, Jean R., $600. Hospital Helper: Hurley, Joseph, $480. Trained Nurses: Johnson, Cecelia, $600; Johnson, S. Maud, $600. Hospital Helpers: Joyce, Walter, $240; Kavanaugh, Frances M., $480. Trained Nurse, Kelsey, Dora (Mrs.), $600. Hospital Helper: Maugam, Margaret, $204. Cook: Mercier, Alexander, $720. Hospital Helper: Monaghan, Rosina, $300. Hospital Helper: Mullen, Felix., $360. Examiner of Charitable Institutions: McNamara, Mary F., $1,200. Hospital Helper: O'Hara, James, $240. Deputy Superintendent: Ridley, Ethel B., $1,200. Trained Nurse: Robertson, Aletta, $600. Hospital Helper: Starr, John, $180. Trained Nurses: Sullivan, Margaret L., $600; Twining, Lillian, $600.

Dropped—Hospital Helpers: Apostol, George, $420; Bargel, William, $240; Boland, Nora, $180. Oiler: Bourke, Cornelius, $3 per day. Hospital Helper: Bradley, Patrick, $180. Oiler: Breen, Matthew, $2 per day. Hospital Helpers: Canty, Ellen, $240; Carlson, Charles, $240; Casey, Margaret B., $480; Clark, Thomas, $240; Connolly, John, $240; Crawford, James, $300; Daly, Margaret T, $480; Deane, Laura Hayden, $480; Doherty, William, $180; Donovan, Philip, $240; Dooley, Kate, $240; Eckert, Albert, $180; FitzSimmons, Thomas, $240; Fredholn, Gerta, $240; Gaffney, Lizzie, $180; Giling, Walter J., $192; Grady, Maria, $180; Graham, Marion, $180; Green, Fannie, $240; Greene, Margaret M., $600; Grundmann, Frederick R., $180; Gunner, Elsie, $480; Halpin, Annie, $480; Hannick, Mae E., $600; Harrigan, Grace, $240; Hauscon, Ella, $240. Chief Cook: Heiss, Gus, $600. Hospital Helpers: Hines, Philip, $180; Hogan, Charles, $240; Hollweg, Amelia, $240; Irwin, May, $240; Jackson, John, $240; Jenner, Alice M., $480; Kalber, Robert, $240; Kelly, Frank, $240; King, Mary, $240; Leddy, John, $240; Liebenau, Natalie, $600; Lynch, Anna, $300; Lynch, James, $180; Macy, Julia, $300. Examiner of Charitable Institutions: Mayfield, Charline, $1,200. Hospital Helpers: Moran, James, $240; Mulkern, Margaret, $180; McBrinn, Delia, $300; McCann, John J., $240; McCarthy, Julia, $360; McCarthry, Mary, $480; McDermott, Katherine, $240; McDonald, Mary, $240; McGowan, Maggie, $240; McHugh, Margaret, $192; McHugh, Nellie, $180; McIntyre, Nellie, $240. Marine Stoker: McLaren, Bernard, $3 per day. Hospital Helpers: McLarney, Thomas, $240; McMahon, Mary, $300; McMahon, Mary, $480; McMorron, Cecily, $480; McSweeney, Michael B., $240; Neely, Jennie, $240. Trained Nurse: O'Connor, Cecelia, $600. Hospital Helpers: O'Keefe, Thomas, $240; Oliphant, James W., $240; O'Brien, Patrick, $360. Attendant: O'Neil, Mary, $360. Hospital Helpers: Potter, Thomas E., $240; Prason, Walter, $180. Clerk: Reardon, Irene V., $600. Hospital Helpers: Resbit, Annie, $240; Reynolds, Bridget, $240; Richard, Elsie O., $480; Robinson, Constance, $300; Robinson, John, $240; Sartorius, Hannah, $300. Trained Nurse: Sauber, Amelia, $600. Hospital Helpers: Schaffer, Alice, $240; Schanbeck, Paul, $192; Schmidt, Annie, $240. Trained Nurse: Sheldon, Henrietta, $600. Hospital Helpers: Sheridan, James, $240; Simmons, Elta, $600; Sinnott, Katherine, $240; Stanton, Grace M., $240. Engineer: Steigerwald, John J., $4.50 per day. Hospital Helpers: Turner, Mabel M., $480; Wachs, Sarah, $240; Warner, John, $180; Wilcox, Teresa, $240; Wild, George, $180.

Promotions—Hospital Helpers: Dolan, Thomas, from $180 to $240; Duncan, Elizabeth, from $480 to $600; Flaherty, Edward, from $120 to $240; Fox, Charles, from $120 to $240; Gibson, George P., from $300 to $360; Heriot, Mary, from $144 to $180; Madden, Sarah, from $240 to $300; Metz, George, from $180 to $240; Richard, Elsie O., from $480 to $600. Practical Nurses: Sindler, Milicent, from $144 to $180; Telfer, Margaret W., from $144 to $180.

Salary Decreased — Hospital Helper: Johnson, Lillian, from $192 to $180.

J. McKEE BORDEN, Secretary.

Board of Health.

Abstract of minutes of September 29, 1914.

The Board met pursuant to notice. Present, Commissioner of Health, Health Officer of the Port, and the First Deputy Police Commissioner.

Premises Declared Public Nuisances—No. 418 E. 121st street, Manhattan; southeast corner Ryder ave. and E. 3rd st., east side 25th ave., 450 feet south of Harway avenue, Borough of Brooklyn; 304 24th street, Borough of Brooklyn; 235 Division ave., Borough of Brooklyn.

Premises Ordered Vacated—110 Franklin street, Brooklyn; 1963 Homecrest avenue, Brooklyn; 65 South 5th street, Brooklyn; 304 24th street, Brooklyn; west side Liebig ave., 50 feet south of 260th st., The Bronx.

Orders for vacation against certain premises were rescinded, the cause for same having been removed.

Miscellaneous applications for permits were granted.

Miscellaneous applications for permits were denied.

Various permits granted by the Board were revoked.

Extensions of time in which to comply with provisions of orders issued against certain premises were granted, and certain applications for relief and extensions of orders were denied.

The weekly report of the Bureau of Records was received.

The Registrar of Records was directed to record corrected certificates of vital statistics relating to various persons.

Leaves of absence on account of sickness and for various reasons were granted to several employees in each borough.

Section 167 of the Sanitary Code was amended.

Section 167a of the Sanitary Code was adopted.

The contract for furnishing all labor and materials necessary or required to install and complete, together with necessary alterations and other work incidental thereto, the electric work in a pavilion on the grounds of the Department of Health, Flushing avenue, near Jamaica, Borough of Queens, City of New York, was awarded to Electric Construction and Supply Company, Nos. 39-41 Cortlandt street, Manhattan, for the sum of $2,475, they being the lowest bidders.

The contract for furnishing and delivering electric supplies and materials as required, to the Tuberculosis Sanatorium at Otisville, Orange County, N. Y., was awarded to Stanley & Patterson, of No 23 Murray street, Borough of Manhattan, for the sum of $1,889.68, they being the lowest bidders.

The contract for furnishing and delivering timber, lumber, moulding, etc., to the Tuberculosis Sanatorium, Otisville, Orange County, N. Y., was awarded as follows: Class No. 3: Church E. Gates & Co., 152nd street and East River, New York City, for the sum of $1,487.03; Classes Nos. 1, 2 and 4: J. E. Pettinger, Nos. 4 and 5 Court square, Brooklyn, for the sum of $2,464.57, they being the lowest bidders.

The contract for furnishing all labor and materials necessary or required to install and complete, together with all necessary alterations and other work incidental thereto, a lighting system in the children's clinics at No. 330 Throop avenue, No. 1249 Herkimer street and No. 145 Lawrence street, Borough of Brooklyn, was awarded to Reis & O'Donovan, Inc., No. 207 East 37th street, Borough of Manhattan, for the sum of $1,390, they being the lowest bidders.

Promotions—S. Josephine Baker, M. D., Director, Bureau of Child Hygiene, at $5,000 per annum, September 8; John S. Billings, M. D., Director, Bureau of Infectious Diseases, at $5,000 per annum, September 8; Eva Kautzman, Hospital Clerk, Bureau of Hospitals (Kingston avenue), Brooklyn, at $720 per annum, September 1; Louise May, Typewriting Copyist, Bureau of Records, Manhattan, at $750 per annum, October 1; Xavier Masterson, Clerk, Bureau of Child Hygiene, Manhattan, at $900 per annum, October 1; Joseph Getz, Clerk, Bureau of Infectious Diseases, Manhattan, at $750 per annum, October 1; William J. Roemer, Clerk, Bureau of Child Hygiene, Bronx, at $600 per annum, October 1; Ed. F. O'Brien, Clerk, Bureau of Records, Manhattan, at $600 per annum, October 1; Michael Marlowe, Clerk, Bureau of Infectious Diseases, at $540 per annum, October 1; Aaron Goldstein, Clerk, Bureau of Child Hygiene, Brooklyn, at $540 per annum, October 1; Edgar Scheussler, Clerk, Bureau of Infectious Diseases, Manhattan, at $480 per annum, October 1.

Appointments — (Paragraph 4, Rule XII): May C. Schroeder, M. D., 225 W. 14th st., Manhattan, Assistant Director Research Laboratory, Bureau of Laboratories, at $2,100 per annum, from August 13 to September 3; Frank S. Fielder, M. D., 1 West 81st street, Manhattan, Assistant Director Vaccine Laboratory, at $1,800 per annum, from August 13 to 30; Emile Kluge Osterberg, 455 E. 179th st., Bronx, Nurse, at $900 per annum, from September 5; Agnes T. McCormack Darrow, 340 Clifton place, Brooklyn, Nurse, at $900 per annum, September 18; May N. Roberts, 66 East 88th street, Manhattan, Nurse, at $900 per annum, September 9; Alice T. McCartney, 106 W. 61st st., Manhattan, Nurse, at $900 per annum, from July 22 to 31; Harry W. Olsen, 246 Pearl street, Brooklyn, Disinfector, at $750 per annum, August 24; Helen R. Fitzgerald, 12 Stone street, Manhattan, Typewriting Copyist, at $600 per annum, September 10.

Appointments—John Kent, New City, Rockland County, N. Y., Veterinarian, at $1,200 per annum, September 14; Raymond Winans, 45 Grant ave., Richmond Hill, L. I., Inspector of Foods (milk), at $1,200 per annum, September 1; David Soletsky, 568 Columbus ave., Manhattan, Laboratory Assistant, at $600 per annum, August 26; Saidee Willard Winslow, 450 West 149th street, Manhattan, Laboratory Assistant, at $600 per annum, August 25; John Sokoloff, 1381 Franklin ave., Bronx, Laboratory Assistant, at $600 per annum, September 9; Rachel Goldgar, 54 East 34th street, Manhattan, Nurse, at $900 per annum, August 31; Maud Magner, 147 Pierrepont street, Brooklyn, Nurse, at $900 per annum, September 18; Maud Dale, 512 West 135th street, Manhattan, Nurse, at $900 per annum, September 21; Kathryn F. Curran, 1223 Greene avenue, Brooklyn, Nurse, at $900 per annum, August 21; Christine D. J. Martin, 1406 Webster avenue, Bronx, Nurse, at $900 per annum, September 21; Carol C. Gee, 170 E. 5th street, Brooklyn, Typewriting Copyist, at $600 per annum, September 28; Agnes Meinhardt Bennett, 221 East 83rd street, Manhattan, Nurses' Assistant, salary $480 per annum, from September 12, 1914.

Reinstatements—Frank S. Fielder, M. D., 1 West 81st street, Manhattan, Assistant Director, Vaccine Laboratory, at $1,800 per annum, August 31; May C. Schroeder, 225 West 14th street, Manhattan, Assistant Director, Research Laboratory, at $2,100 per annum, September 4; Susan K. Ziegler, 150 West 59th street, Manhattan, Nurse, at $900 per annum, September 9; Mary J. Moore, St. Marys Hospital, Borough of Brooklyn, Nurse, at $900 per annum, October 1; Margaret G. Jackson, 498 Lexington avenue, Brooklyn, Nurse, at $900 per annum, October 1; Benj. Weisner, 66 East 114th street, Manhattan, First Grade Clerk, at $480 per annum, October 2.

Transferred — Florence A. Ehlinger, Typewriting Copyist to the Law Department, at $750 per annum, September 21.

Services Dispensed With—Emilie Kluge Osterberg, Nurse, September 30; Agnes G. M. Darrow, 340 Clifton place, Brooklyn, September 30; May N. Robert, 66 E. 86th street, Manhattan, Nurse, September 30; Florence E. W. Farmer; 318 Adelphi street, Brooklyn, Nurse, September 30; Katherine Phillips, 153 W. 94th street, Manhattan, Nurse, September 30; Harriet C. Morgan, 186 Quincy street, Brooklyn, Nurse, September 30; Anna M. Fritz, 253 Lafayette avenue, Brooklyn, Nurse, September 30; Maude Dale, 512 West 135th street, Manhattan, Nurse, September 21; Jerome Zuckerman, M. D., 4 West 130th street, Manhattan, Medical Inspector, September 5; Martin J. Loeb, M. D., 1410 Wilkins avenue, Bronx, Medical Inspector, September 15; Maud Magner, 147 Pierrepont street, Brooklyn, Nurse, September 30; Kathryn F. Curran, 1223 Greene avenue, Brooklyn, Nurse, September 30; Cornelia L. Oliver, 101 East 95th street, Manhattan, Nurse, September 30; Alice I. Quine, 920 President street, Brooklyn, Nurse, September 30; Rose MacMullin, 138 State street, Brooklyn, Nurse, September 30; Lillian A. Schalow, 45 West 98th street, Manhattan, Nurse, September 30; Elizabeth E. Karsch, 18 McDonough Street, Brooklyn, Nurse, September 30; Maude F. Lee, 2182 Broadway, Manhattan, Nurse, September 30; Rachel C. Jacoby, 1141 Fox street, The Bronx, Nurse, September 30; Katherine M. Collins, 541 East 78th street, Manhattan, Nurse, September 30; Maud S. Fritts, 660 Riverside Drive, Manhattan, September 30; Cora Lee Winston, 186 West 135th street, Manhattan, September 30; Ruth C. Sprague, 103 Quincy street, Long Island City, September 30; Ethel Robinson, 45 Decatur street, Brooklyn, September 30; Anna A. O'Brien, 292 Martland avenue, Staten Island, September 30; Bertha M. Lewis, 186 West 135th street, Manhattan, September 30; Effie B. Watkins, 833 East 219th street, Manhattan, September 30; Theresa A. Crawson, No. 12 West 129th street, Manhattan, September 30; Gertrude C. Jones, 45 Decatur street, Brooklyn, September 30; Marie Fleischman, 146 East 89th street, Manhattan, September 30; Anna R. Toner, 1333 Lexington avenue, Manhattan, September 30; Julia M. McBee, 248 Stratford road, Brooklyn, September 30; Gertrude H. Smith, 1517 Eastchester road, Bronx, September 30; Bertha H. Becht, 146 East 89th street, Manhattan, September 30; Clara Webendorfer, 544 West 147th street, Manhattan, September 30; Beatrice Kupfersmith, 198 South 3rd street, Brooklyn, September 30; Rachel Goldgar, 54 East 34th street, Brooklyn, September 30.

Resignations—Charles W. Berry, M. D., Medical Inspector, Bureau of Child Hygiene, Brooklyn, August 1; Rose I. Delfoe, Nurse, Bureau of Child Hygiene, Brooklyn, August 26; Christine Schaefer, Nurse, Bureau of Child Hygiene, Bronx, September 8; May Murphy, Nurse, Bureau of Child Hygiene, Brooklyn, August 31; Helen Flanzig, Nurses' Assistant, Bureau of Child Hygiene, Brooklyn, September 30; Thomas J. Murphy, Clerk, Bureau of Child Hygiene, Brooklyn, September 14; Martin H. Oakwood, Inspector of Foods, Bureau of Food Inspection, September 15; Henry A. Tierney, Sanitary Inspector, Brooklyn, September 12; Mary Feary, Hospital Clerk, Willard Parker Hospital, Manhattan, September 1; Frank J. Hickman, Clerk, Bureau of Records, Brooklyn, September 2; Katherine Bohan, Nurse, Bureau of Infectious Diseases, Manhattan, October 1; Henrietta Aidman, Nurse, Bureau of Infectious Diseases, Manhattan, July 11; Margaret Mary Condon, Nurse, Bureau of Infectious Diseases, Brooklyn, September 19; Vincent J. Loughran, Chemist, Chemical Laboratory, Manhattan, Sept. 21; Willis C. Noble, Jr., Bacteriologist, Bureau of Laboratories, Manhattan, October 1; Marie Grund, Assistant Director, Bureau of Laboratories, Manhattan, September 30; Julia A. W. Hewitt, Laboratory Assistant, Bureau of Laboratories (Research), Manhattan, October 1; Gertrude Fisher, Laboratory Assistant, Bureau of Laboratories (Research), Manhattan, June 1; Georgia M. Cooper, Laboratory Assistant, Bureau of Laboratories, Manhattan, April 30; Joseph Sisk, Helper, Bureau of Laboratories, Manhattan, August 31.

Deaths—Zkiel Coxson, Laborer, Willard Parker Hospital, Manhattan, August 27; Alfred T. Metcalfe, Assistant Chief Clerk, Borough of Brooklyn, September 2; Louis Voyer, Disinfector, Bureau of Infectious Diseases, Bronx, August 28.

EUGENE W. SCHEFFER, Secretary.

Borough of Brooklyn.

Abstract of Minutes of a duly advertised meeting of the Local Board of the Williamsburg District, held Thursday, September 10, 1914, at 2.55 p. m.

The roll was called and the following members answered to their names:

Hon. Edmund W. Voorhies, Commissioner of Public Works, presiding; Aldermen Moore, Dixson and McGarry.

On motion of Alderman Moore, the minutes of meeting held September 10th, 1914, were approved.

The Secretary presented the following matters for consideration by the Board in accordance with an opinion of the Corporation Counsel, dated March 16th, 1914:

No. 274. To make the necessary repairs to sidewalks in front of Nos. 62, 64 and 66, on the south side of South 2nd street, between Kent and Wythe avenues, known as Lots Nos. 23, 24 and 25, Block 2415, at the expense of the owner or owners of said lots. Estimated cost, $92.50; assessed valuation, $5,700.

Commissioner Voorhies: Inasmuch as the repairs have been made on Lot 62, according to Chief Engineer Schmidt, I think it should be eliminated.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which was lost by the following vote:

Commissioner Voorhies—Aye.

Aldermen Moore, Dixson and McGarry—Nay.

No. 275. To make the necessary repairs to sidewalks in front of Nos. 350 and 352, on the west side of Wythe avenue, between South 2nd and South 3rd streets, known as Lot No. 26, Block 2415, at the expense of the owner or owners of said lot. Estimated cost, $95; assessed valuation, $3,800.

The necessary repairs having been made, on motion of Commissioner Voorhies, the matter was denied.

No. 276. To make the necessary repairs to sidewalks in front of No. 38, on the south side of Conselyea street, between Union avenue and Lorimer street, known as Lot No. 20, Block 2756, at the expense of the owner or owners of said lot. Estimated cost, $34; assessed valuation, $2,300.

Commissioner Voorhies moved that a resolution be adopted calling for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies—Aye.

Aldermen Moore, Dixson and McGarry—Nay.

No. 277. To make the necessary repairs to sidewalks on the southwest corner of Skillman avenue and Graham avenue, in front of Lot known as No. 22, Block 2754, at the expense of the owner or owners of said lots. Estimated cost, $32.50; assessed valuation, $3,400.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies—Aye.

Aldermen Moore, Dixson and McGarry—Nay.

No. 278. To make the necessary repairs to sidewalks in fromt of No. 154, on the

south side of Skillman avenue, between Manhattan and Graham avenues, known as Lot No. 20, Block 2754, at the expense of the owner or owners of said lot. Estimated cost, $13.50; assessed valuation, $1,000.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies—Aye.

Aldermen Moore, Dixson and McGarry—Nay.

No. 279. To make the necessary repairs to sidewalks in front of No. 41, on the north side of Skillman avenue, between Union avenue and Lorimer street, known as Lot No. 37, Block 2746, at the expense of the owner of owners of said lot. Estimated cost, $21; assessed valuation, $1,900.

The necessary repairs having been made, on motion of Commissioner Voorhies, the matter was denied.

No. 280. To make the necessary repairs to sidewalks in front of No. 33, on the north side of Skillman avenue, between Union avenue and Lorimer street, known as Lot No. 41, Block 2746, at the expense of the owner or owners of said lot. Estimated cost, $23; assessed valuation, $1,900.

The necessary repairs having been made, on motion of Commissioner Voorhies, the proposition was denied.

No. 281. To make the necessary repairs to sidewalks in front of No. 34, on the south side of Skillman avenue, between Union avenue and Lorimer street, known as Lot No. 21, Block 2751, at the expense of the owner or owners of said lot. Estimated cost, $15; assessed valuation, $1,900.

The necessary repairs having been made, on motion of Commissioner Voorhies, the proposition was denied.

No. 282. To make the necessary repairs to sidewalks in front of No. 40, on the south side of Skillman avenue, between Union avenue and Lorimer street, known as Lot No. 24, Block 2751, at the expense of the owner or owners of said lot. Estimated cost, $13.50; assessed valuation, $1,900.

The necessary repairs having been made, on motion of Commissioner Voorhies, the proposition was denied.

No. 283. To make the necessary repairs to sidewalks on the northeast corner of Skillman avenue and Humboldt street, in front of Lot known as No. 1, Block 2883, at the expense of the owner or owners of said lot. Estimated cost, $15; assessed valuation, $1,700.

The necessary repairs having been made, on motion of Commissioner Voorhies, the proposition was denied.

No. 284. To make the necessary repairs to sidewalks in front of No. 218 Union avenue, on the southeast corner of Conselyea street, known as Lot No. 5, Block 2756, at the expense of the owner or owners of said lot. Estimated cost, $110; assessed valuation, $3,700.

The necessary repairs having been made, on motion of Commissioner Voorhies, the proposition was denied.

No. 285. To make the necessary repairs to sidewalks in front of No. 152, on the south side of Skillman avenue, between Manhattan and Graham avenues, known as Lot No. 19, Block 2754, at the expense of the owner or owners of said lot. Estimated cost, $12; assessed valuation, $1,000.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies—Aye.

Aldermen Moore, Dixson and McGarry—Nay.

No. 286. To make the necessary repairs to sidewalks in front of No. 132, on the south side of Skillman avenue, between Manhattan and Graham avenues, known as Lot No. 9, Block 2754, at the expense of the owner or owners of said lot. Estimated cost, $10; assessed valuation, $3,400.

The necessary repairs having been made, on motion of Commissioner Voorhies, the proposition was denied.

No. 287. To make the necessary repairs to sidewalks in front of No. 619 Lorimer street, on the northwest corner of Skillman avenue, known as Lot No. 35, Block 2746, at the expense of the owner or owners of said lot. Estimated cost, $7.50; assessed valuation, $3,500.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies—Aye.

Aldermen Moore, Dixson and McGarry—Nay.

No. 272. That the lots lying on the north side of Devoe street, between Catherine street and Morgan avenue, known as Nos. 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 and 38, Block 2918, be enclosed with a board fence six feet high, at the expense of the owner or owners of said lots. Estimated cost, $190; assessed valuation, $13,000.

Alderman Moore moved that a resolution be adopted providing for the necessary fence, which motion was lost by the following vote: Alderman Moore, aye; Alderman Dixson, aye; Commissioner Voorhies, nay; Alderman McGarry, nay.

No. 271. That the lots lying on the north side of North 4th street, between Wythe avenue and Berry street, and on the east side of Wythe avenue, between North 4th street and North 5th street, known as Nos. 39 and 40, Block 2342, be enclosed with a board fence six feet high, at the expense of the owner or owners of said lots. Estimated cost, $60; assessed valuation, $6,500.

On motion of Alderman Dixson, the petition was denied.

No. 270. Constructing sidewalks in front of Nos. 102, 104 and 106 Guernsey street.

The necessary repairs having been made, on motion of Alderman Dixson, the proposition was denied.

No. 288. That the following streets Seneca avenue, from the west branch of Newtown Creek (sometimes erroneously called English Kills), to Grand street; Scott avenue, between the same points, and Gardner avenue, between the same points; Dickson street, from the west branch of Newtown Creek to Grand street, and ending at the east branch of Newtown Creek and Mill street, between the last mentioned points, be removed from the map or plan of The City of New York. This will affect Blocks Nos. 2929 to 2936, inclusive; 2937A, 2938, 2939, 2940 and 2941, in Section 10, of the Land Map of the County of Kings.

On motion of Alderman Moore, the following resolution was adopted:

Recommending to the Board of Estimate and Apportionment that Seneca avenue, from the west branch of Newtown Creek (sometimes erroneously called English Kills), to Grand street; Scott avenue, between the same points and Gardner avenue, between the same points; Dickinson street, from the west branch of Newtown Creek parallel to Grand street, and ending at the east branch of Newtown Creek and Mill street, between the last mentioned points, be removed from the map or plan or The City of New York. This will affect Blocks Nos. 2929 to 2936, inclusive; 2937K, 2938, 2939, 2940 and 2941, in Section 10 of the land map of the County of Kings.

No. 261. Not to change the grade of Grand street (extending from English Kills to Newtown Creek).

Resolution to read as follows: "To change the established grade of Grand street, from English Kills to Newtown Creek, so as to make it conform as nearly as possible to the present surface of the street."

On motion of Alderman Moore, the petition was laid over.

No. 269. That the lots lying on the west side of Roebling street, between South 2nd and South 3rd streets, known as Nos. 29, 30, 33 and 34, Block 2419, be enclosed with a board fence six feet high, at the expense of the owner or owners of said lots. Estimated cost, $35; assessed valuation, $18,900. On motion of Alderman Dixson, the petition was denied.

On motion of Alderman Dixson, the meeting adjourned.

MARK REARDON, Jr., Borough Secretary.

Abstract of Minutes of a duly advertised meeting of the Local Board of the Bedford District, held Thursday, September 10th, 1914, at 2.45 p. m.

The roll was called and the following members answered to their names:

Hon. Edmund W. Voorhies, Commissioner of Public Works, presiding; Aldermen Gaynor, Taylor and Diemer.

On motion of Alderman Diemer, the minutes of meeting held June 24, 1914, were approved.

The Secretary presented the following matters for consideration by the Board in accordance with an opinion of the Corporation Counsel dated March 16, 1914:

No. 91. To make the necessary repairs to sidewalks in front of Nos. 429 and 431, on the east side of Kent avenue, between South 8th and South 9th streets, known as Lots Nos. 7 and 5, Block 2135, at the expense of the owner or owners of said lots. Estimated cost, $54; assessed valuation, $26,500.

Alderman Gaynor moved that the matter be laid over pending the action of the Board of Aldermen, which motion was carried by the following vote:

Commissioner Voorhies—Nay.

Aldermen Gaynor, Taylor and Diemer—Aye.

No. 92. To make the necessary repairs to sidewalks in front of No. 814, on the south side of Gates avenue, between Stuyvesant and Reid avenues, known as Lot No. 18, Block 1636, at the expense of the owner or owners of said lot. Estimated cost, $60; assessed valuation, $6,250.

The necessary repairs having been made on motion of Aldermen Taylor, the matter was denied.

No. 93. To make the necessary repairs to sidewalks in front of Nos. 565 to 571, on the east side of Kent avenue, between Clymer and Taylor streets, known as Lot No. 4, Block 2171, at the expense of the owner or owners of said lot. Estimated cost, $226.80; assessed valuation, $7,500.

On motion of Alderman Gaynor, the proposition was laid over. Commissioner Voorhies voting in the negative.

No. 94. To make the necessary repairs to sidewalks in front of No. 180, on the south side of Division avenue, between Wilson and Taylor streets, known as Lot No. 36, Block 2178, at the expense of the owner or owners of said lot. Estimated cost, $22.40; assessed valuation, $3,400.

The necessary repairs having been made, on motion of Alderman Gaynor, the matter was denied.

No. 95. To make the necessary repairs to sidewalks in front of No. 176, on the south side of Division avenue, between Taylor and Wilson streets, known as Lot No. 34, Block 2178, at the expense of the owner or owners of said lot. Estimated cost, $26; assessed valuation, $2,700.

The necessary repairs having been made, on motion of Alderman Gaynor, the matter was denied.

No. 96. To make the necessary repairs to sidewalks in front of No. 142, on the south side of Division avenue, between Bedford avenue and Clymer street, known as Lot No. 34, Block 2169, at the expense of the owner or owners of said lot. Estimated cost, $320; assessed valuation, $13,000.

The necessary repairs having been made, on motion of Alderman Gaynor, the matter was denied.

No. 97. To make the necessary repairs to sidewalks in front of No. 41, on the north side of Division avenue, between Kent avenue and Wythe avenue, known as Lot No. 24, Block 2159, at the expense of the owner or owners of said lot. Estimated cost, $47.60; assessed valuation, $3,100.

The necessary repairs having been made, on motion of Alderman Gaynor, the matter was denied.

No. 86. That the lot lying on the west side of Nostrand avenue, between Park and Myrtle avenues; on the south side of Park avenue, between Nostrand avenue and Sanford street; and on the east side of Sanford street, between Park and Myrtle avenues, known as No. 2, Block 1737, be enclosed with a board fence six feet high, at the expense of the owner or owners of said lot. Estimated cost, $180; assessed valuation, $54,500.

On motion of Alderman Gaynor the matter was laid over.

On motion of Alderman Gaynor the meeting adjourned.

MARK REARDON, Jr., Borough Secretary.

Abstract of Minutes of a duly advertised meeting of the Local Board of the Prospect Heights District, held Thursday, September 10, 1914, at 2.30 p. m.

The roll was called and the following members answered to their names: Hon. Edmund W. Voorhies, Commissioner of Public Works, presiding; Aldermen Ferrand, Colne and Stevenson.

On motion of Alderman Ferrand, the minutes of meeting held June 17th, 1914, were approved.

The Secretary presented the following matters for consideration by the Board in accordance with an opinion of the Corporation Counsel dated March 16, 1914:

No. 279. To make the necessary repairs to sidewalks in front of No. 234, on the south side of 12th street, between 4th and 5th avenues, known as Lot No. 14, Block 1028, at the expense of the owner or owners of said lot. Estimated cost, $6; assessed valuation, $1,900.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs which was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 280. To make the necessary repairs to sidewalks in front of No. 265, on the north side of 12th street, between 4th and 5th avenues, known as No. 61, Block 1022, at the expense of the owner or owners of said lot. Estimated cost, $4.80; assessed valuation, $2,300.

The necessary repairs having been made, Commissioner Voorhies moved that the matter be denied, which motion was unanimously carried.

No. 281. To make the necessary repairs to sidewalks in front of No. 316, on the south side of 12th street, between 5th and 6th avenues, known as Lot No. 23, Block No. 1029, at the expense of the owner or owners of said lot. Estimated cost, $9; assessed valuation, $3,124.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 282. To make the necessary repairs to sidewalks in front of No. 364, on the south side of 12th street, between 6th and 7th avenues, known as Lot No. 18, Block 1030, at the expense of the owner or owners of said lot. Estimated cost, $8; assessed valuation, $3,100.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 283. To make the necessary repairs to sidewalks on the southeast corner of 12th street and 5th avenue, in front of Lot known as No. 9, Block 1029, at the expense of the owner or owners of said lot. Estimated cost, $6; assessed valuation, $27,000.

Commissioner Voorhies moved that the matter be denied, which motion was unanimously carried.

No. 284. To make the necessary repairs to sidewalks on the southeast corner of 12th street and 4th avenue, in front of lot known as No. 8, Block 1028, at the expense of the owner or owners of said lot. Estimated cost, $13.50; assessed valuation, $4,500.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No 285. To make the necessary repairs to sidewalks in front of No. 379, on the north side of 12th street, between 6th and 7th avenues, known as Lot No. 65, Block 1024, at the expense of the owner or owners of said lot. Estimated cost, $10.50; assessed valuation, $2,300.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 286. To make the necessary repairs to sidewalks in front of No. 362, on the south side of 13th street, between 6th and 7th avenues, known as Lot No. 27, Block 1036, at the expense of the owner or owners of said lot. Estimated cost, $1.50; assessed valuation, $2,200.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 287. To make the necessary repairs to sidewalks in front of No. 368, on the south side of 13th street, between 6th and 7th avenues, known as Lot No. 30, Block 1036, at the expense of the owner or owners of said lot. Estimated cost, $1.50; assessed valuation, $2,100.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 288. To make the necessary repairs to sidewalks in front of No. 370, on the south side of 13th street, between 6th and 7th avenues, known as Lot No. 31, Block 1036, at the expense of the owner or owners of said lot. Estimated cost, $5.50; assessed valuation, $2,100.

The necessary repairs having been made, Commissioner Voorhies moved that the matter be denied, which motion was unanimously carried.

No. 289. To make the necessary repairs to sidewalks in front of No. 239, on the north side of 14th street, between 4th and 5th avenues, known as Lot No. 47, Block 1034, at the expense of the owner or owners of said lot. Estimated cost, $5; assessed valuation, $6,300.

The necessary repairs having been made, Commissioner Voorhies moved that the matter be denied, which motion was unanimously carried.

No. 290. To make the necessary repairs to sidewalks in front of No. 223, on the north side of 14th street, between 4th and 5th avenues, known as Lot No. 56, Block 1034, at the expense of the owner or owners of said lot. Estimated cost, $18; assessed valuation, $1,450.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 291. To make the necessary repairs to sidewalks in front of No. 221, on

the north side of 14th street, between 4th and 5th avenues, known as Lot No. 57, Block 1034, at the expense of the owner or owners of said lot. Estimated cost, $11.80; assessed valuation, $1.450.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 292. To make the necessary repairs to sidewalks in front of Nos. 255 and 257, on the north side of 15th street, between 5th and 6th avenues, known as Lots Nos. 60 and 59, Block 1042, at the expense of the owner or owners of said lots. Estimated cost, $40.80; assessed valuation, $5,700.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 293. To make the necessary repairs to sidewalks in front of No. 237, on the north side of 15th street, between 5th and 6th avenues, known as Lot No. 68, Block 1042, at the expense of the owner or owners of said lot. Estimated cost, $66; assessed valuation, $1,400.

On motion of Commissioner Voorhies, the matter was laid over.

No. 294. To make the necessary repairs to sidewalks in front of No. 191, on the north side of 15th street, between 4th and 5th avenues, known as Lot No. 54, Block 1041, at the expense of the owner or owners of said lot. Estimated cost, $16; assessed valuation, $2,000.

The necessary repairs having been made, on motion of Commissioner Voorhies the matter was denied.

No. 295. To make the necessary repairs to sidewalks in front of No. 323, on the north side of 15th street, between 6th and 7th avenues, known as Lot No. 61, Block 1043, at the expense of the owner or owners of said lot. Estimated cost, $5; assessed valuation, $2,150.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 296. To make the necessary repairs to sidewalks in front of No. 154, on south side of 16th street, between 4th and 5th avenues, known as Lot No. 34, Block 1052, at the expense of the owner or owners of said lot. Estimated cost, $17.50; assessed valuation, $1,400.

Commissioner Voorhies moved that a resolution be adopted providing for the necessary repairs, which motion was lost by the following vote:

Commissioner Voorhies and Alderman Ferrand voting in the affirmative.

Aldermen Colne and Stevenson voting in the negative.

No. 278. To fence vacant lots on the south side of Prospect place, between Washington avenue and Underhill avenue.

On motion of Alderman Ferrand the matter was laid over.

On motion of Alderman Stevenson the meeting was adjourned.

MARK REARDON, Jr., Borough Secretary.

OFFICIAL DIRECTORY.

Unless otherwise stated, the Public Offices 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.
City Hall. Telephone, 4334 Cortlandt.
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. 10 a. m. to 4 p. m. Saturday, to 12 m. Telephone, 4430 Worth.
P. J. Scully, Clerk.

President of the Board of Aldermen.
City Hall. Telephone, 6725 Cortlandt.
George McAneny, President.

BOARD OF AMBULANCE SERVICE.
300 Mulberry st. Ambulance Calls—3100 Spring. Administration Offices—7586 Spring.

ARMORY BOARD.
Hall of Records. 9 a. m. to 4 p. m.; Saturday, to 12 m. 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. 10 a. m. to 4 p. m.; Saturday, to 12 m. 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.

DEPARMENT 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 July, and the second and fourth Wednesdays in every month, except July and 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.
J. Gabriel Britt, President.
Moses M. McKee, Secretary.

Other Borough Offices.
The Bronx.
368 E. 148th st. Telephone, 336 Melrose.
Brooklyn.
435-445 Fulton st. Telephone, 693 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, Chief Engineer.

Bureau of Contract Supervision.
Municipal Building, 13th floor. Telephone, 4560 Worth. Tilden Adamson, Director.

Bureau of Standards.
Salaries and Grades Division and Supplies Division, Municipal Building, 13th floor. Telephone, 4560 Worth. Standard Testing Laboratory, 125 Worth st. Telephone, 3088 Franklin. George L. Tirrell, Director.

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. 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, 3084 Main.
Queens—Municipal Building, Court House 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, 2653 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.
Centre St. Office—57-59 Centre st. Telephone, 2030 Worth. Julian Rosenthal, Deputy Commissioner.
Brooklyn—Borough Hall. 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.
Municipal Employment Bureau—27 Lafayette st. Telephone, 3870 Worth.

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.

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 50th 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, 8th 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, Chief Clerk.

COMMISSIONERS OF SINKING FUND.
Office of Secretary, Municipal Building, 7th floor. Telephone, 1200 Worth.
John Korb, Secretary.

DEPARTMENT OF STREET CLEANING.
Municipal Building, 12th floor. Telephone, 4240 Worth.
John T. Fetherston, Commissioner.

DEPARTMENT OF TAXES AND ASSESSMENTS.
Municipal Building, 9th floor. 9 a. m. to 4 p. m.; Saturday, to 12 m. Telephone, 1800 Worth.
Lawson Purdy, President.
C. Rockland Tyng, Secretary.

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, 17th floor, Municipal Bldg.
Commissioner of Public Works, 21st floor, Municipal Building.
Assistant Commissioner of Public Works, 20th 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, 9 a. m. to 4 p. m.; Saturday, to 12 m. 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, 9 a. m. to 4 p. m.; Saturday, to 12 m. Telephone, 1000 Tompkinsville.
Charles J. McCormack, President.

CORONERS.
Manhattan, 70 Lafayette st. Open at all hours of the day and night. Telephone, 5057 Franklin.
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.
William 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.; Saturday, to 12 m. Telephone, 2304 Franklin.
Charles S. Whitman, 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.
299 Broadway. Telephone, 4984 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.
John F. Cursy, 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.
Thomas R. Farrell, 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.
Herbert 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 3 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 3d ave.
George M. S. Schulz, Surrogate.

QUEENS COUNTY.

COUNTY CLERK.
364 Fulton st., Jamaica. Telephone, 151 Jamaica.
Leonard Rouff, 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 Ful-

ton st., Jamaica. Telephone, 3871 Hunters Point.
Matthew J. Smith, District Attorney.

COMMISSIONER OF JURORS.

County Court House, Long Island City. Telephone, 9631 Hunters Point.
Thorndyke C. McKennee, Commisioner.

PUBLIC ADMINISTRATOR.

302 Fulton st., 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.

First District—Criminal Court Building.
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.
Philip Bloch, Chief Clerk, 300 Mulberry st. Telephone, 6213 Spring.

Second Division.

Borough of Brooklyn.

Office of Chief Magistrate, 44 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. 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, 3340 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 o'clock 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, L. I. City. Court opens at 10 a. m. Trial and Special Term for motions and ex-parte business each month except July, August and September, in Part I. Trial Term, Part II, January, February, March, April, May and December. Special Term for trials, January, April, June and November. Naturalization, first Friday in each Term.
Clerk's office open 9 a. m. to 5 p. m.; Saturday, to 12.30 p. m. Telephone, 3896 Hunters 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.

BOARD MEETINGS.

Board of Aldermen.

The Board of Aldermen meets in the Aldermanic Chamber, City Hall, every Tuesday, at 1.30 o'clock p. m.
P. J. SCULLY, City Clerk and Clerk to the Board of Aldermen.

Board of Estimate and Apportionment.

The Board of Estimate and Apportionment meets in the Old Council Chamber (Room 16), City Hall, every Friday, at 10.30 o'clock a. m.
JOSEPH HAAG, Secretary.

Commissioners of Sinking Fund.

The Commissioners of the Sinking Fund meet in the Meeting Room (Room 16), City Hall, on 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., Chief Clerk.

Board of City Record.

The Board of City Record meets in the City Hall at call of the Mayor.
DAVID FERGUSON, Supervisor, Secretary.

DEPARTMENT OF PUBLIC CHARITIES.

Proposals.

MAIN OFFICE OF THE DEPARTMENT OF PUBLIC CHARITIES, MUNICIPAL BUILDING, ROOM 1091, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m., on

MONDAY, OCTOBER 26, 1914,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION OF WATER REGULATORS IN CERTAIN OF THE BUILDINGS OF THE CHILDREN'S HOSPITAL AND SCHOOLS, RANDALL'S ISLAND, THE CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract is sixty (60) consecutive working days.

The security required will be Nine Hundred Dollars ($900).

Certified check or cash in the sum of Forty-five Dollars ($45) must accompany bid.

The bidder will state one aggregate price for the whole work described and specified, as the contract is entire for a complete job.

Blank forms and further information may be obtained at the office of the Contract Clerk of the Department, Room 1034, Municipal Building, The City of New York, where plans and specifications may be seen.

JOHN A. KINGSBURY, Commissioner.
Dated October 14, 1914. o14,26

☞See General Instructions to Bidders on last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF PUBLIC CHARITIES, MUNICIPAL BUILDING, ROOM 1091, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

FRIDAY, OCTOBER 23, 1914,

NO. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR ROOFING WORK ON CERTAIN BUILDINGS OF THE CHILDREN'S HOSPITAL AND SCHOOLS, RANDALL'S ISLAND, THE CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract is sixty (60) consecutive working days.

The security required will be Two Thousand Dollars ($2,000).

Certified check or cash in the sum of One hundred dollars ($100) must accompany bid.

The bidder will state one aggregate price for the whole work described and specified, as the contract is entire for a complete job.

Blank forms and further information may be obtained at the office of the Contract Clerk of the Department, Room 1034, Municipal Building, The City of New York, where plans and specifications may be seen.

JOHN A. KINGSBURY, Commissioner.
Dated October 13, 1914. o13,23

☞See General Instructions to Bidders on last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF PUBLIC CHARITIES, MUNICIPAL BUILDING, ROOM 1091, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

FRIDAY, OCTOBER 23, 1914,

NO. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR ROOFING WORK ON CERTAIN BUILDINGS OF THE CHILDREN'S HOSPITAL AND SCHOOLS, RANDALL'S ISLAND, THE CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract is sixty (60) consecutive working days.

The security required will be Four Thousand Dollars ($4,000).

Certified check or cash in the sum of Two Hundred Dollars ($200) must accompany bid.

The bidder will state one aggregate price for the whole work described and specified, as the contract is entire for a complete job.

Blank forms and further information may be obtained at the office of the Contract Clerk of the Department, Room 1034, Municipal Building, The City of New York, where plans and specifications may be seen.

JOHN A. KINGSBURY, Commissioner.
Dated October 13, 1914. o13,23

☞See General Instructions to Bidders on last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF PUBLIC CHARITIES, MUNICIPAL BUILDING, ROOM 1091, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

FRIDAY, OCTOBER 23, 1914,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION OF TWO ELECTRIC ELEVATORS AND ALLIED WORK FOR THE CITY HOSPITAL BUILDING, BLACKWELL'S ISLAND, THE CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract is one hundred (100) consecutive working days. The security required will be Eight Thousand Dollars ($8,000).

Certified check or cash in the sum of Four Hundred Dollars ($400) must accompany each bid.

The bidder will state one aggregate price for the whole work described and specified, as the contract is entire for a complete job.

Blank forms and further information may be obtained at the office of Frank Sutton, Consulting Engineer, 80 Broadway, The City of New York, where plans and specifications may be seen.

JOHN A. KINGSBURY, Commissioner.
Dated October 13, 1914. o13,23

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF THE BRONX.

Proposals.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF THE BRONX, MUNICIPAL BUILDING, CROTONA PARK, 177TH ST. AND 3D AVE.
SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of The Bronx at the above office until 10.30 a. m., on

WEDNESDAY, NOVEMBER 4, 1914,

NO. 1.—FOR REPAIRING SHEET ASPHALT PAVEMENT IN THE BOROUGH OF THE BRONX, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

1,500 Sq. Yds. Completed Sheet Asphalt Pavement (Medium Traffic Mixture), including binder course and keeping the pavement in repair during the year 1914.

300 Sq. Yds. Sheet Asphalt Pavement (Medium Traffic Mixture), including binder course and concrete foundation, and keeping the pavement in repair during the year 1914.

The above shall not be exceeded. No compensation shall be made for a greater amount.

The time allowed for the completion of the work will be on or before December 31, 1914.

The amount of security required will be One thousand four hundred ($1,400) dollars.

NO. 2.—FOR REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF CROTONA AVENUE, FROM CROTONA PARK SOUTH TO CROTONA PARK NORTH, AND SETTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

13,810 Sq. Yds. Sheet Asphalt Pavement (Medium Traffic Mixture) and keeping the pavement in repair for Five Years from date of acceptance.
2,600 Cu. Yds. Class B Concrete.
1,200 Lin. Ft. New Curb.
4,720 Lin. Ft. Old Curb.

The time allowed for the completion of the work will be seventy-five (75) consecutive working days.

The amount of security required will be Fifteen thousand ($15,000) Dollars.

NO. 3.—FOR REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF DAWSON STREET, FROM LONGWOOD AVENUE TO INTERVALE AVENUE, AND SETTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

5,670 Sq. Yds. Sheet Asphalt Pavement (Medium Traffic Mixture) and keeping the pavement in repair for Five Years from the date of acceptance.
990 Cu. Yds. Class B Concrete.
600 Lin. Ft. New Curb.
100 Lin. Ft. Old Curb.

The time allowed for the completion of the work will be thirty (30) consecutive working days.

The amount of security required will be Five thousand six hundred ($5,600) Dollars.

Blank forms can be obtained upon application therefor, the plans and specifications may be seen and other information obtained at said office.

DOUGLAS MATHEWSON, President.
o22,n4

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF MANHATTAN.

Auction Sale.

PUBLIC SALE OF UNREDEEMED AND CONDEMNED ARTICLES, ETC., TO BE SOLD AT PUBLIC AUCTION ON

MONDAY, OCTOBER 26, 1914,

THE PRESIDENT OF THE BOROUGH OF Manhattan will sell at Public Auction at 10 A. M. the following unclaimed and condemned articles, namely:

OLD IRON, TOOLS, TAR HEATERS, OLD RUBBER BOOTS AND HOSE, OLD BRASS, WOODEN PARTITIONS, DOORS, STANDS, BOOTHS, SIGNS, ABANDONED HOUSEHOLD FURNITURE, DISPOSSESSED OFFICE FURNITURE AND FIXTURES, PUSH CARTS, IRON BEAMS, BRICK, BUILDING MATERIAL, JEWELRY, ETC.

The sale to commence at the Yard, Avenue A and 90th Street, thence to Corporation Yard, West 56th Street, between 11th and 12th Avenues, thence to Rivington Street Corporation Yard, No. 354 Rivington Street.

The purchaser will be required to remove the material, articles and other goods within three (3) days, and all material, etc., not removed within the time specified will be resold and disposed of as provided by law.

MARCUS M. MARKS, President, Borough of Manhattan. o20,26

Proposals.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, MUNICIPAL BUILDING, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan, at the offices, Commissioner of Public Works, Room 2032, 20th floor, Municipal Building, until 2 o'clock p. m., on

FRIDAY, OCTOBER 30, 1914,

FOR REGULATING AND REGRADING WEST 181ST STREET FROM NORTHERN AVENUE TO RIVERSIDE DRIVE, HAVEN AVENUE FROM WEST 180TH STREET TO WEST 181ST STREET, NORTHERN AVENUE FROM 100 FEET SOUTH TO 84 FEET NORTH OF WEST 181ST STREET; AND REGULATING, GRADING, REREGULATING AND REGRADING SERVICE STREET FROM 275 FEET SOUTH OF WEST 181ST STREET TO 585 FEET NORTH OF WEST 181ST STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's estimate of the amount of work to be done:

2,130 cu. yds. of Earth Excavation.
4,550 cu. yds. of Rock Excavation.
35,000 cu. yds. of Filling.
2,600 lin. ft. of New 5-inch Bluestone Curbstone.
1,160 lin. ft. of Old Bluestone Curb redressed.
6,510 sq. ft. of New Bluestone Flagging.
3,840 sq. ft. of Old Flagging.
5,700 sq. ft. of Concrete Sidewalk, Class A.
350 sq. ft. of Old Bridgestone.
650 cu. yds. of Dry Rubble Masonry.
4,750 cu. yds. of Rubble Masonry in mortar.
1,050 cu. yds. of Class B Concrete.
183 lin. ft. of Vitrified Pipe 12 inches in diameter.
4 Receiving Basins rebuilt.
106 cu. yds. of Brick Masonry.
95 lin. ft. of Old Bluestone Coping reset.
420 lin. ft. of Old Granite Coping reset.
400 lin. ft. of New Granite Coping.
156 cu. yds. of Top Soil.
4,210 sq. ft. of Sodding.
310 lin. ft. of Wrought Iron Pipe 4 inches in diameter.
800 lbs. of Cast Iron.
1 Granite Wheel Guard.
1,200 lbs. Steel Reinforcement Bars.
120 lin. ft. of Risers.

The time allowed for doing and completing the above work will be two hundred (200) working days.

The amount of security required will be $15,000, 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.
Oct. 20th, 1914. o20,30

☞See General Instructions to Bidders on last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, MUNICIPAL BUILDING, THE CITY OF NEW YORK.
SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan, at the offices, Commissioner of Public Works, Room 2032, 20th floor, Municipal Building, until 2 o'clock p. m., on

FRIDAY, OCTOBER 30, 1914,

NO. 1. FOR REGULATING AND PAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 160TH STREET FROM WEST SIDE BROADWAY TO THE EAST SIDE OF FORT WASHINGTON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's estimate of the amount of work to be done:

100 linear feet of New 5-inch Bluestone Curbstone, furnished and set.
40 linear feet of New Granite Corner Curbstone, furnished and set.
400 linear feet of Old Bluestone Curbstone, redressed, rejointed and reset.
180 cubic yards of Concrete.
890 square yards of Sheet Asphalt Pavement.

The time allowed for doing and completing the above work will be twelve (12) working days.

The amount of security required will be $700, 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, as required by the specifications.

NO. 2. FOR REGULATING AND PAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 161ST STREET FROM WEST SIDE OF BROADWAY TO EAST SIDE FORT WASHINGTON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's estimate of the amount of work to be done:

130 linear feet of New 5-inch Bluestone Curbstone, furnished and set.

20 linear feet of New Granite Corner Curbstone, furnished and set.

490 linear feet of Old Bluestone Curbstone, redressed, rejointed and reset.

210 cubic yards of Concrete.

1,080 square yards of Sheet Asphalt Pavement.

The time allowed for doing and completing the above work will be twelve (12) working days.

The amount of security required will be $800, 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, as required by the specifications.

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.
Oct. 20th, 1914. o20,30

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF HEALTH.

Proposals.

DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK, SOUTHWEST CORNER OF CENTRE AND WALKER STS., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health until 10.30 o'clock a. m., on

TUESDAY, OCTOBER 27, 1914,

FURNISHING AND DELIVERING TWO GASOLENE AUTOMOBILE TRUCKS TO THE DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK.

The time for the completion of the work and the full performance of the contracts is sixty (60) consecutive working days.

No bond will be required with the bid, as heretofore, but will be required upon awarding of the contract, in an amount equal to 50 per cent. of the contract for the construction of the trucks, and a supplemental bond for the full amount of the contract as a guarantee for a period of one year after date of delivery.

The bid, however, must be acompanied by a deposit of an amount of not less than 1½ per cent. of the amount of the bid.

Bids will be compared and the contract awarded to the lowest bidder for the entire contract complete.

Blank forms for the above work and further information may be obtained at the office of the Chief Clerk of the Department of Health, southwest corner of Centre and Walker sts., Borough of Manhattan, City of New York.

S. S. GOLDWATER, M. D., President; JOSEPH J. O'CONNELL, M. D., ARTHUR WOODS, Board of Health.

Dated Oct. 15, 1914. o15,27

☞See General Instructions to Bidders on last page, last column, of the "City Record."

MUNICIPAL CIVIL SERVICE COMMISSION.

Notices of Examinations.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, October 22, 1914.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

THURSDAY, OCTOBER 22, 1914, TO FRIDAY, NOVEMBER 6, 1914,

for the position of

FARM INSTRUCTOR.

No applications delivered at the office of the Commission, by mail or otherwise, after FRIDAY, NOVEMBER 6, 1914, will be accepted. Application blanks will be mailed upon request, provided a self-addressed stamped envelope or four cents in postage stamps accompany the request, but the Commission will not guarantee the delivery of blanks. *Applications forwarded by mail, upon which postage is not fully prepaid, will not be accepted.*

The subject and weights of the examination are: Experience, 3; Duties, 5; Ooral, 2. 70% is required on experience; 70% is required on duties; 70% general average is required.

Applications for this examination must be filed on a special blank, Form C. Experience blanks will be issued with the applications. The experience will then be rated. Candidates receiving less than 70% on the experience paper will not be summoned for the physical examination. Candidates failing to pass the physical examination will not be summoned for the written examination.

A physical qualifying examination will be held. Age limits are 21 to 40 years.

There are four vacancies at present at New Hampton Farms of the New York City Reformatory for Misdemeanants, at New Hampton, Orange County, N. Y. The salary is $900 per annum.

Candidates must present evidence of experience as a teacher in an ordinary school and in practical agricultural work, or work in an agricultural school with experience in the handling of boys and men. The dates of the examination will be announced later.

o22,n6 R. W. BELCHER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, MANHATTAN, October 20, 1914.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

TUESDAY, OCTOBER 20, 1914, TO WEDNESDAY, NOVEMBER 4, 1914,

for the position of

CHEMIST (FOOD AND DRUGS).

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. WEDNESDAY, NOVEMBER 4, 1914, will be accepted.

Application blanks will be mailed upon request, provided applicants furnish a self-addressed stamped envelope or proper postage to insure the delivery of the blank desired, 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: Technical, 6; Experience, 4. 75% is required on the technical paper and 70% on all. Candidates must have received the degree of Bachelor of Science or its equivalent, or present a certificate from some technical institution of recognized standing showing that they have pursued for two years a course of study therein tending to qualify them for the position sought. Some credit will be given for ability to consult scientific journals in French and German.

The technical paper will be divided into a paper in general chemistry and a special paper in the chemistry of foods and drugs.

A physical examination will be held.

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 experience will then be rated. Candidates receiving less than 70% on the experience paper will not be summoned for the physical examination. Candidates failing to pass the physical examination will not be summoned for the written examination.

The time and place for holding the physical and mental examinations will be announced later.

Minimum age, 21 years. Salary, $1,200 to $1,500 per annum.

o20,n4 R. W. BELCHER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, MANHATTAN, October 19, 1914.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

MONDAY, OCTOBER 19, 1914, UNTIL MONDAY, NOVEMBER 2, 1914,

for the position of

NURSE (FEMALE).

No applications delivered at the office of the Commission by mail or otherwise after 4 P. M. MONDAY, NOVEMBER 2, 1914, will be accepted. Application blanks will be mailed upon request, but proper postage must be enclosed with the request. The Commission will not guarantee the delivery of blanks. *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, 4; Duties, 6. 70% required on Duties and 70% on all.

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.

A physical examination will precede the mental. Certification will be made from this list to the Health Department for public school and other work.

Minimum age, 21 years.

The usual salary is $900 per annum.

o19,n2 R. W. BELCHER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, MANHATTAN, October 15, 1914.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

THURSDAY, OCTOBER 15, 1914, TO THURSDAY, OCTOBER 29, 1914,

for the position of

TYPEWRITER ACCOUNTANT, 3d Grade (Temporary Service.)

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. THURSDAY, OCTOBER 29, 1914, 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 subject and weights of the examination are: Tabluation, 7; Arithmetic, 3. 70% is required on tabulation and 70% general average is required.

A physical qualifying examination will be held. The minimum age is 18 years.

Typewriter Accountants are employed by the Department of Finance in scheduling tax payments, for five or six months each year, at a salary of fifty cents an hour; and they are employed by this department for two or three weeks each year, in the preparation of tax bills, at a compensation of one and one-half cents for each correct bill. Much of this work is performed at night.

The tabulation paper will be a test in the typewriting of data, including words and numbers, and in the addition of numbers on the adding attachment of the machine. The arithmetic will test the accuracy and rapidity of the candidate in making computations in addition, subtraction, multiplication, and division. The arithmetic paper is not to be computed on the machine. There will be a time limit on the tabulation and a time limit on the arithmetic.

Each candidate will be required to furnish his own machine, and four registers or totalizers, with a capacity of $99,999.99 each. Separate eligible lists will be established for each type of standard machine with a standard adding attachment. Each candidate must state on his application the name of the machine he will use in the examination, subject to the approval of the Commission

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 date of the examination.

No permanent appointments will be made from this eligible list.

The dates of the physical and the mental examinations will be announced later.

o15,29 R. W. BELCHER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, MANHATTAN, October 13, 1914.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

TUESDAY, OCTOBER 13, 1914, UNTIL TUESDAY, OCTOBER 27, 1914,

for the position of

INVESTIGATOR, CIVIL SERVICE (MALE AND FEMALE).

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M., TUESDAY, OCTOBER 27, 1914, will be accepted. Application blanks will be mailed upon request, provided sufficient postage is enclosed (4 cents) and a self-addressed envelope. The Commission will not guarantee the delivery of blanks. *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, 3; Duties, 5; Report, 2. 70% is required on experience, 70% on duties and a general average of 70% is required.

A physical qualifying examination will be held.

Applications for this examination must be filed on a special blank, Form C. Candidates failing to receive 70% on this paper will not be summoned for the physical examination. Candidates failing in the physical examination will not be summoned for the written examination. The dates of the physical and mental examinations will be announced later.

Investigators in the employ of the Municipal Civil Service Commission are required to investigate the records of applicants for employment in the city service, and to make investigations relating to the enforcement of the Civil Service Law in the various departments of the city government.

Candidates must present evidence of at least two years of investigative experience, such as service as an inspector or examiner in a city department or service in the claim department of a railroad, express, or insurance company, a tracer or credit investigator in a mercantile house or other similar investigative experience.

Candidates should possess an intimate knowledge of the functions of the various departments of the city, state, and national governments, familiarity with city localities, a knowledge of the classification and the rules of the Municipal Civil Service Commission, and a knowledge of investigating methods.

The age limits are 21 to 45 years. Applications will not be received from persons who are more than 45 years of age on the date of filing applications.

The salary is $1,500, and vacancies occur from time to itme.

o13,27 R. W. BELCHER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, MANHATTAN, October 8, 1914.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

THURSDAY, OCTOBER 8, 1914, UNTIL FRIDAY, OCTOBER 23, 1914,

for the position of

INSPECTOR OF METERS AND WATER CONSUMPTION, Grade 2.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. FRIDAY, OCTOBER 23, 1914, will be accepted. Application blanks will be mailed upon request, provided a self-addressed, stamped envelope, or sufficient postage, is enclosed with the request; but the Commission will not guarantee the delivery of blanks. *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: Technical, 6; Experience, 4. 75% is required on the technical and 70% on experience.

A physical examination will be held.

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. The experience will then be rated. Candidates receiving less than 70% on experience will not be summoned for the physical and mental tests.

Candidates are required to show an experience in plumbing, or water supply installation of at least three years, or an experience as mechanic, journeyman, or repairer in water meter or pump factory or shop.

A practical test will be given all candidates on the day of the mental examination, or succeeding days thereafter, if necessary. This test will include the various appliances used by Inspectors; defective meters or other apparatus; detection of waste, leaks, etc., and estimates of amounts. Candidates receiving 70% on experience will be summoned for the physicial examination.

The time and place for holding the physical and mental examinations will be announced later.

Candidates will be required to show familiarity with construction, operation, and setting of the various styles of water meters, pumps, plumbing fixtures, and tanks accepted by the city; also with the means of detecting and preventing water waste. They will be tested on their knowledge of municipal rules and regulations governing the use of water, issuance of permits, etc.

There are no vacancies at the present time, but appointments are made from time to time as occasion requires.

The age limits are 21 to 45 on the closing date for receipt of applications.

Salary at the time of entrance, $1,100.

o8,23 R. W. BELCHER, Secretary.

DEPARTMENT OF DOCKS AND FERRIES.

Proposals.

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock noon on

TUESDAY, OCTOBER 27, 1914,

CONTRACT NO. 1437.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING CEMENT, SAND AND 1½-INCH BROKEN STONE.

The time for the completion of the work and the full performance of the contract is on or before the expiration of one hundred and eighty calendar days.

The amount of security required shall be thirty per cent. of the total amount for which the contract is awarded.

The deposit to accompany bid shall be in an amount not less than one and one-half per cent. of the total amount of the bid.

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 October 14th, 1914. o15,27

☞See General Instructions to Bidders on last page, last column, of the "City Record."

COLLEGE OF THE CITY OF NEW YORK.

Proposals.

THE COLLEGE OF THE CITY OF NEW YORK, 139TH ST. AND CONVENT AVE., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Trustees or the Curator of the College of The City of New York at the above address in Room No. 114, Main Building, until 2 o'clock p. m., on

THURSDAY, OCTOBER 29, 1914,

FOR FURNISHING NECESSARY LABOR AND MATERIAL TO INSTALL NEW WATER SERVICE PIPES, VALVES, ETC., AT THE COLLEGE OF THE CITY OF NEW YORK, 139TH ST. AND CONVENT AVE., NEW YORK CITY.

The time allowed for doing and completing the work is sixty (60) consecutive working days.

The amount of security required will be twenty-five (25) per cent. of the amount of the bid or estimate.

Bidders shall state one aggregate price for the whole work described and specified, as the contract is entire and for a complete job.

Blank forms of the contract and specifications and bid sheet may be obtained at the office of the Curator, Room 114, Main Building.

A duplicate copy of the bid must be submitted at the same time for the Finance Department.

CHARLES E. LYDECKER, Chairman; JAMES W. HYDE, Secretary; FREDERICK P. BELLAMY, BERNHARD M. BARUCH, THOMAS W. CHURCHILL, WM. HENRY CORBITT, LEE KOHNS, WILLIAM F. McCOMBS, MOSES J. STROOCK, CHARLES H. TUTTLE, Board of Trustees and Committee on Buildings.

R. V. DAVIS, CURATOR.
Dated October 17, 1914. o17,29

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Proposals.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 2351, MUNICIPAL BUILDING, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 p. m., on

MONDAY, OCTOBER 26, 1914,
Borough of Brooklyn.

FOR DISMANTLING ONE (1) BOILER NOW IN THE RIDGEWOOD NORTH SIDE PUMPING STATION AND ONE (1) BOILER NOW IN THE JAMECO PUMPING STATION NO. 2, TRANSPORTING THE TWO (2) BOILERS TO THE JAMECO NO. 1 PUMPING STATION AND RE-ERECTING THEM IN PLACE WITH FOUNDATIONS, PIPING AND ALL OTHER APPURTENANCES.

The time allowed for doing and completing the entire work will be forty (40) consecutive working days under Item "A," and seventy-five (75) consecutive working days under both Items "A" and "B."

The security required will be three thousand five hundred ($3,500.00) dollars.

The bids will be compared and award made to the lowest formal bidder, in aggregate or lump sum.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department, Room 2351, Municipal Building, Borough of Manhattan.

WILLIAM WILLIAMS, Commissioner.
Dated Oct. 9, 1914. o14,26

☞See General Instructions to Bidders on last page, last column, of the "City Record."

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, NOVEMBER 10, 1914,

for

CONTRACT 160.

FOR THE CONSTRUCTION OF THE MOODNA SIPHON SUPPLEMENTARY SHAFT AND TUNNEL OF THE CATSKILL AQUEDUCT. THE SHAFT WILL BE ABOUT 400 FEET DEEP AND WILL BE SUNK FROM AN EXISTING TUNNEL 370 FEET FROM THE SURFACE OF THE GROUND. THE TUNNEL WILL BE ABOUT 900 FEET LONG. BOTH WILL BE IN SOLID ROCK, WILL BE LINED WITH CONCRETE AND WILL HAVE A FINISHED DIAMETER OF ABOUT 14 FEET. THE WORK IS NEAR THE WEST SHORE OF THE HUDSON RIVER, IN THE TOWN OF CORNWALL, ORANGE COUNTY, NEW YORK.

An approximate statement of the quantities of the various classes of work and further information are given in the Information for Bidders, forming part of the contract. At the above place and time 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.

Two or more bonds, the aggregate amount of which shall be One hundred and forty thousand dollars ($140,000), 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 Ten thousand dollars ($10,000).

Time allowed for the completion of the work is 15 months from the service of notice by the Board to begin work.

In the performance of this contract, time will be deemed of the essence thereof and the provision for liquidated damages will be enforced.

Pamphlets containing information for bidders, forms of proposal, contract, specifications, contract drawings, 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 ten dollars ($10) 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.

W. BRUCE COBB, Secretary. o21,n10

NOTE: See general instructions to bidders on last page, last column of the CITY RECORD, so far as applicable hereto and not otherwise provided for.

DEPARTMENT OF CORRECTION.

Proposals.

DEPARTMENT OF CORRECTION, MUNICIPAL BUILDING, CENTRE AND CHAMBERS STS., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m., on

FRIDAY, OCTOBER 30, 1914,

FURNISHING ALL LABOR AND MATERIAL NECESSARY TO INSTALL AND ERECT NEW ROOF, LEADERS, ETC., AT THE BATH ROOM BUILDING, WORKHOUSE, BLACKWELL'S ISLAND.

The time for the completion of the work and the full performance of the contract is by or before Fifty (50) consecutive calendar days.

The amount of security required is thirty (30) per cent. of the amount of bid or estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Department of Correction, the Borough of Manhattan, Municipal Building, Centre and Chambers Streets, New York City.

KATHARINE BEMENT DAVIS, Commissioner. o20,30

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF STREET CLEANING.

Proposals.

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1244, 12TH FLOOR, SOUTH, MUNICIPAL BUILDING, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock noon on

MONDAY, OCTOBER 26, 1914,

Boroughs of Manhattan, The Bronx and Brooklyn,

(1) FOR FURNISHING AND DELIVERING SINGLE CART HARNESS.

The time for the completion of the work and the full performance of the contract is 30 days.

The amount of security required is 30% of the amount of the bid or estimate.

Boroughs of Manhattan and The Bronx,

(2) FOR FURNISHING AND DELIVERING RUBBER HOSE.

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 bid or estimate.

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 herein contained or hereto annexed, per foot or 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 Manhatan, Room 1244, Municipal Building, Park Row and Chambers Streets.

J. T. FETHERSTON, Commissioner.

Dated October 10, 1914. o15,26

☞See General Instructions to Bidders on last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1244, MUNICIPAL BUILDING, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock noon on

MONDAY, OCTOBER 26, 1914,

Borough of Manhattan,

FOR FURNISHING AND DELIVERING 400 WOOLEN STREET BLANKETS.

The time allowed for the delivery of materials and supplies and the performance of the contract is thirty (30) days.

The amount of security required is 30% of the amount of the bid or estimate.

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 herein contained or hereto annexed, per blanket, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total, and awards made to the lowest bidder.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhatan, Room 1244, Municipal Building, Park Row and Chambers Streets.

J. T. FETHERSTON, Commissioner.

Dated October 10, 1914. o15,26

☞See General Instructions to Bidders on last page, last column, of the "City Record."

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 BROOKLYN:

EIGHTEENTH WARD, SECTION 10.

METROPOLITAN AVENUE—REGULATING, GRADING, CURBING AND FLAGGING, from Grand Street to Borough Line. Area of assessment: Both sides of Metropolitan Avenue from Grand Street to the Borough Line and to the extent of half the block at the intersecting and terminating streets and avenues, including property in blocks Nos. 2943 to 2948, inclusive; 2950 to 2960, inclusive; 2937, 2962, 2963 to 2966, inclusive; 2968 to 2971, inclusive; 2972, 2973, 2975 to 2980, inclusive.

TWENTY-SIXTH WARD, SECTION 13.

FORBELL AVENUE—PAVING, from Liberty Avenue to Magenta Street. Area of assessment: Both sides of Forbell Avenue from Magenta Street to Liberty Avenue and to the extent of half the block at the intersecting streets.

—that the same were confirmed by the Board of Revision of Assessments on October 15th, 1914, and entered October 15th, 1914, 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 Offerman Building, No. 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 December 14, 1914, 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, October 15th, 1914. o21,31

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 avenue in the BOROUGH OF BROOKLYN:

TWENTY-NINTH WARD, SECTION 16.

CHURCH AVENUE—OPENING, from Thirty-sixth street to Ocean Parkway. Confirmed May 22, 1914, and August 14, 1914; entered October 14, 1914. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the intersection of a line midway between East Seventh street and Ocean parkway with a line distant 100 feet southerly from and parallel with the southerly line of Beverly road, the said distance being measured at right angles to Beverly road, and running thence westwardly along the said line parallel with Beverly road to the intersection with a line distant 500 feet southerly from and parallel with the southerly line of Church avenue as this street is laid out west of East Fifth street, the said distance being measured at right angles to Church avenue; thence westwardly along the said line parallel with Church avenue to the intersection with a line midway between Thirty-sixth street and Thirty-seventh street; thence northwestwardly along the said line midway between Thirty-sixth street and Thirty-seventh street to the intersection with the prolongation of a line midway between Clara street and Louisa street; thence eastwardly along the said line midway between Clara street and Louisa street and along the prolongation of the said line to the intersection with a line midway between East Third street and East Fourth street; thence northwardly along the said line midway between East Third street and East Fourth street to the intersection with a line distant 100 feet northerly from and parallel with the northerly line of Albemarle road, the said distance being measured at right angles to Albemarle road; thence eastwardly along the said line parallel with Albemarle road to the intersection with the prolongation of the aforesaid line midway between Clara street and Louisa street; thence eastwardly along the prolongation of the aforesaid line midway between Clara street and Louisa street to the intersection with a line parallel with Ocean Parkway and passing through the point of beginning; thence southwardly along the said line parallel with Ocean Parkway to the point or place of beginning.

The above entitled assessment was entered on the day hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the 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 Offerman Building, No. 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 December 14, 1914, 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, October 14, 1914. o19,29

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 BROOKLYN:

TWENTY-NINTH WARD, SECTION 15.

MAPLE STREET—REGULATING, GRADING, CURBING AND FLAGGING between Albany and Troy avenues. Area of assessment: Both sides of Maple street from Albany to Troy avenues, and to the extent of half the block at the intersecting avenues.

TWENTY-NINTH WARD, SECTION 16.

SEVENTEENTH AVENUE—PAVING, from West street to Forty-fifth street. Area of assessment: Both sides of Seventeenth street from West street to Forty-fifth street, and to the extent of half the block at the intersecting streets.

THIRTIETH WARD, SECTION 17.

FIFTY-FIRST STREET—PAVING, between Fort Hamilton avenue and Eleventh avenue. Area of assessment: Both sides of Fifty-first street from Fort Hamilton to Eleventh avenues, and to the extent of half the block at the intersecting avenues.

—that the same were confirmed by the Board of Assessors on October 13, 1914, and entered on October 13, 1914, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1019 of 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 Offerman Building, No. 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 December 12, 1914, 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, October 13, 1914. o17,28

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF BROOKLYN:

TWENTY-FOURTH WARD, SECTION FIVE.

PRESIDENT STREET — REGULATING, GRADING, CURBING AND FLAGGING from Rogers Avenue to Nostrand Avenue. Area of assessment, both sides of President Street from Rogers Avenue to Nostrand Avenue and to the extent of half the block at the intersecting avenues.

TWENTY-NINTH WARD, SECTION FIFTEEN.

EAST THIRTY-FOURTH STREET SEWER from Church Avenue to Canarsie Lane. Area of assessment affects blocks 4887, 4888, 4904, 4905, 4918, 4919, 4933 and 4934.

TWENTY-NINTH WARD, SECTION SIXTEEN.

CANARSIE LANE SEWER, from Rogers Avenue to East Twenty-sixth street, and EAST TWENTY-SIXTH STREET OULET SEWER from Canarsie Lane to Clarendon Road. Area of assessment affects blocks 5169 and 5170.

THIRTIETH WARD, SECTION SEVENTEEN.

FIFTY-NINTH STREET SEWER between Eighteenth and Nineteenth Avenues. Area of assessment affects blocks 5505 and 5512.

WEBSTER AVENUE.

WEBSTER AVENUE—Regulating, Grading, Curbing and Flagging between Gravesend Avenue and Forty-seventh Street. Area of assessment—both sides of Webster Avenue from Gravesend Avenue to Forty-seventh Street and to the extent of half the block at the intersecting streets.

—that the same were confirmed by the Board of Assessors on October 6th, 1914, and entered October 6th, 1914, 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, No. 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 December 15, 1914, 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, October 6, 1914. o16,27

NOTICE OF ASSESSMENT 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 street in the BOROUGH OF THE BRONX:

TWENTY-FOURTH WARD, ANNEXED TERRITORY.

BRONX BOULEVARD, OPENING, supplemental and additional, from Old Boston Post road to E. 242d st. Confirmed August 4, 1914; entered October 7, 1914. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying 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 formed by the intersection of the northerly boundary line of The City of New York with a line parallel to and distant 500 feet westerly from the westerly line of Webster ave.; running thence southerly along said line parallel to Webster ave. to its intersection with a line midway between Mosholu Parkway North and Woodlawn road; thence southeasterly along said line and its southeasterly prolongation to its intersection with a line parallel to and distant 1,500 feet westerly from the westerly line of the Bronx boulevard; thence southerly along said parallel line to the Bronx boulevard and its southerly prolongation to its intersection with a line parallel to and distant 100 feet southerly from the southerly line of West Farms road; thence easterly along said parallel line to West Farms road to its intersection with the southerly prolongation of a line parallel to and distant 100 feet easterly from the easterly line of Barnes ave.; thence northerly along said last-mentioned southerly prolongation and parallel line and its northerly prolongation to its intersection with the northerly boundary line of The City of New York; thence westerly, southerly, and again westerly along the said boundary line of The City of New York to the point or place of beginning.

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 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 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 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 December 7, 1914, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, October 7, 1914 o16,27

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.

FIRST WARD.

ACADEMY STREET—HOUSE CONNECTION DRAINS from Grahaam Avenue to Broadway. Area of assessment: Both sides of Academy Street from Graham Avenue to Broadway. —that the same was confirmed by the Board of Assessors on October 6, 1914, and entered on October 6, 1914, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1019 of 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 December 15, 1914, 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, October 6, 1914. o16,27

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-FOURTH WARD, SECTION ELEVEN.

EAST ONE HUNDRED AND SEVENTY-FOURTH STREET—REGULATING AND REGULATING, GRADING AND REGRADING, SETTING AND RESETTING CURBSTONES, FLAGGING AND REFLAGGING SIDEWALKS, LAYING AND RELAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES from the Southern Boulevard to the easterly side of Boone Avenue. Area of assessment—both sides of East One Hundred and Seventy-fourth Street from Southern Boulevard to Boone Avenue and to the extent of half the block at the intersecting and terminating streets. —that the same were confirmed by the Board of Assessors on October 6, 1914, and entered October 6, 1914, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said 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 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 December 5, 1914, 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 become a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, October 6, 1914. o16,27

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 EIGHT.

HILLSIDE AVENUE — REGULATING, GRADING, CURBING AND FLAGGING between Broadway and Nagle Avenue. Area of assessment, both sides of Hillside Avenue from Broadway to Nagle Avenue and to the extent of half the block at the intersecting and terminating streets.

—that the same was confirmed by the Board of Assessors on October 6, 1914, and entered October 6, 1914, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1019 of 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, 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 December 5, 1914, 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, October 6, 1914. o16,27

Corporation Sales of Buildings.

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain buildings standing upon property owned by The City of New York, formerly used for school purposes in the

Borough of Manhattan,

BEING THE BUILDINGS situated on the southerly side of the Manhattan approach to the Williamsburgh Bridge, between Willett and Ridge Streets, formerly known as Public Schools No. 97A and No. 97B, in the Borough of Manhattan, 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 October [illegible], 1914, the sale by sealed bids of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

THURSDAY, NOVEMBER 5, 1914,

at 11 A. M., in lots and parcels and in manner and form, and at upset prices as follows:

PARCEL NO. 1. Two brick buildings on the southerly side of the Manhattan approach to the Williamsburgh Bridge, between Willett and Ridge Streets, formerly known as Public Schools No. 97A and No. 97B. Upset price, $100.00.

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 November, 1914, 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 November 5, 1914," 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."

WM. A. PRENDERGAST, Comptroller.
City of New York, Department of Finance, Comptroller's Office, October 16, 1914. o20,n5

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of The Bronx.

BEING the buildings, parts of buildings, etc., standing within the lines of East 236th Street, from Bullard Avenue to Barnes Avenue, 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 October 7, 1914, 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

MONDAY, NOVEMBER 2, 1914,

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 17: Part of two and one-half story frame house No. 653 East 236th Street. Cut one foot on east side by 14.7 feet on front. Upset price, $10.

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 a. m. on the 2d day of November, 1914, 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 November 2, 1914," 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."

WM. A. PRENDERGAST, Comptroller.
City of New York, Department of Finance, Comptroller's Office, October 7, 1914. o16,n2

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of Brooklyn, 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 Brooklyn.

BEING the buildings, parts of buildings, etc., standing within the lines of East 36th Street, from Avenue K to Flatbush Avenue, in the Borough of Brooklyn, 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 October 7, 1914, 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

FRIDAY, OCTOBER 30, 1914,

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 2-3: Part of two-story frame house at East 36th Street and Flatbush Avenue. Cut 17.5 feet on north side by 17.5 feet on south side. Part of frame wagon shed. Cut 51 feet on south side by 3 feet on front. Also outhouse. Upset price, $25.00.

PARCEL NO. 13: Part of two-story frame stable on the east side of East 36th Street, 150 feet north of Avenue K. Cut 18.5 feet on north side by 9.5 feet on south 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 a. m. on the 30th day of October, 1914, 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 October 30, 1914," 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."

WM. A. PRENDERGAST, Comptroller.
City of New York, Department of Finance, Comptroller's Office, October 7, 1914. o13,30

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PUBLIC RECreation Commission, 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 playground purposes, in the

Borough of Brooklyn.

BEING the buildings, parts of buildings, etc., situated on the three blocks bounded by Dumont Avenue, Hopkinson Avenue, Livonia Avenue and Douglass Street, in the Borough of Brooklyn, 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 October 7, 1914, the sale by sealed bids of the above buildings and appurtenances thereto will be held by direction of the Comptroller on

THURSDAY, OCTOBER 29, 1914,

at 11 A. M., in lots and parcels and in manner and form as follows:

PARCEL NO. 1. Six two-story frame houses Nos. 127 to 137 Livonia Avenue, inclusive.

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 29th day of October, 1914, 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 October 29, 1914," 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."

WM. A. PRENDERGAST, Comptroller.
City of New York, Department of Finance, Comptroller's Office, October 7, 1914. o10,29

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain buildings standing upon property owned by The City of New York, formerly used by it for Fire Department purposes, in the

Borough of The Bronx.

BEING the building formerly occupied by Engine Company No. 81, standing on the south side of Albany Road, about 200 feet westerly from Bailey Avenue, in the Borough of The Bronx, which is 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 adopted by the Commissioners of the Sinking Fund, at a meeting held October 7, 1914, the sale by sealed bids of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

WEDNESDAY, OCTOBER 28, 1914,

at 11 A. M., in lots and parcels and in manner and form as follows:

PARCEL NO. 1. Two-story brick building on the southerly side of Albany Road, about 200 feet westerly from Bailey Avenue, and formerly occupied by Engine Company No. 81.

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 28th day of October, 1914, and then publicly opened for the sale for removal of the above-described building 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 October 27, 1914," 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."

WM. A. PRENDERGAST, Comptroller.
City of New York, Department of Finance, Comptroller's Office, October 7, 1914. o10,28

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of The Bronx public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of The Bronx.

BEING the buildings, parts of buildings, etc., standing within the lines of Tremont Avenue, from Eastern Boulevard to Fort Schuyler 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 October 7, 1914, 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

TUESDAY, OCTOBER 27, 1914,

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices, as follows:

PARCEL NO. 10. Part of a two-story frame stable and shed, within the lines of Tremont Avenue, between Burdett Avenue and Fort Schuyler Road. Cut 120 feet on north side by 90 feet on south side. 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 a. m. on the 27th day of October, 1914, 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 October 27, 1914," 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."

WM. A. PRENDERGAST, Comptroller.
City of New York, Department of Finance, Comptroller's Office, October 7, 1914. o10,27

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.

Interest on City Bonds and Stock.

THE INTEREST DUE ON NOVEMBER 1, 1914, on registered bonds and stock of The City of New York, and of the former corporations now included therein, will be paid on that day by the Comptroller at his office (Room 853)

in the Municipal Building, Centre and Chambers st., in the Borough of Manhattan.

The coupons that are payable in New York or in London for the interest due on November 1, 1914, on assessment bonds and corporate stock of The City of New York will be paid on that day, at the option of the holders thereof, either at the office of the Guaranty Trust Company, 140 Broadway, New York City, in United States money, or at the office of Messrs. Seligman Brothers, 18 Austin Friars, London, E. C., England, in sterling, at the rate of $4.8780 to the pound.

The coupons that are payable only in New York for interest due on November 1, 1914, on bonds and stock of the present and former City of New York, and of former corporations now included in The City of New York, except the former County of Queens, will be paid on that day at the office of the said Guaranty Trust Company.

The coupons that are payable on November 1, 1914, for interest on bonds issued by the former County of Queens will be paid on that day at the Queens County Bank, Branch of the Corn Exchange Bank, Borden ave. and Front st., Long Island City.

The books for the transfer of bonds and stock on which interest is payable November 1, 1914, will be closed from October 10 to November 1, 1914.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, September 28, 1914. s29,o31

Sales of Tax Liens.

NOTICE OF CONTINUATION OF MANHATTAN TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of Manhattan, as to liens remaining unsold at the termination of the sale of September 4, October 9, November 13, December 18, 1913, January 15, February 26, April 2, 1914, May 7, 1914, June 11 and July 16, 1914, September 3 and October 8, 1914, has been continued to

MONDAY, NOVEMBER 23, 1914,

at 2 o'clock p. m., pursuant to section 1028 of the Greater New York Charter, and will be continued at that time in the Aldermanic Chamber, City Hall, Borough of Manhattan, City of New York.

Dated October 8, 1914.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. o13,n23

NOTICE OF CONTINUANCE OF BROOKLYN TAX SALE—SECTIONS 1 TO 13, INCLUSIVE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of Brooklyn, as to liens remaining unsold at the termination of the sale of October 15th, November 5th, December 3rd, 1913, and January 7th, February 11, March 18th, April 22nd, May 27th, June 24th, July 15th, September 9 and October 7, 1914, has been continued to

WEDNESDAY, NOVEMBER 4, 1914,

at 2:30 p. m., pursuant to Section 1028 of the Greater New York Charter, and will be continued at that time in Room 2 in basement of the Borough Hall, Brooklyn, N. Y.

Dated October 7, 1914.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. o9,n4

NOTICE OF CONTINUANCE OF BROOKLYN TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of Brooklyn, as to liens remaining unsold at the termination of the sale of July 15th, September 9 and October 7, 1914, has been continued to

WEDNESDAY, NOVEMBER 4, 1914,

at 2:30 p. m., pursuant to Section 1028 of the Greater New York Charter, and will be continued at that time in Room 2 in basement of the Borough Hall, Brooklyn, N. Y.

Dated October 7, 1914.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. o9,n4

NOTICE OF CONTINUATION OF THE BRONX TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of The Bronx, as to liens remaining unsold at the termination of the sale of September 15, 1913, and subsequent continuations, has been continued to

MONDAY, DECEMBER 7, 1914,

at 2 o'clock p. m., pursuant to section 1028 of the Greater New York Charter, and will be continued at that time on the fourth floor of the Bergen Building, corner of Arthur and Tremont Avenues, Borough of The Bronx, City of New York.

Dated, August 10, 1914.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. s22,d7

BELLEVUE AND ALLIED HOSPITALS.

Proposals.

BELLEVUE AND ALLIED HOSPITALS DEPARTMENT OF NEW YORK CITY, 26TH ST. AND 1ST AVE., BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Trustees in the Staff Room of Bellevue Hospital (entrance, 415 E. 26th st.), until 3 o'clock p. m., on

WEDNESDAY, OCTOBER 28, 1914,

FOR ALL LABOR AND MATERIALS REQUIRED FOR THE PAINTING OF ALL PLASTER WALL AND CEILING SURFACES IN PAVILIONS "L" AND "M" OF THE NEW BELLEVUE HOSPITAL, FIRST AVENUE, TWENTY-SIXTH TO TWENTY-NINTH STREETS, NEW YORK CITY.

The time allowed for doing and completing the new work, repairs and alterations will not be more than fifty (50) consecutive calendar days.

The surety required will be two thousand five hundred dollars ($2,500.00. (Bond not required with bid.)

The bids will be compared and the contract awarded as soon thereafter as practicable, according to law.

Blank forms and further information may be obtained at the office of the Contract Clerk and Auditor, entrance No. 400 E. 29th st., Borough of Manhattan.

BOARD OF TRUSTEES, BELLEVUE AND ALLIED HOSPITALS, by JOHN W. BRANNAN, M. D., President. o17,28

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF BROOKLYN.

Proposals.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Brooklyn at the above office until 11 o'clock A. M., on

FRIDAY, OCTOBER 23, 1914,

NO. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER BASINS AT KINGSTON AVENUE, ALL FOUR CORNERS OF RUTLAND ROAD; AT ALBANY AVENUE, SOUTHEAST AND SOUTHWEST CORNERS OF WINTHROP STREET; TEMPORARY DRAIN IN KINGSTON AVENUE FROM RUTLAND ROAD TO A POINT WITHIN THE KINGSTON AVENUE HOSPITAL GROUNDS, EAST OF AND ADJACENT TO KINGSTON AVENUE, ABOUT 130 FEET SOUTH OF RUTLAND ROAD; FORCE MAIN FROM SAID POINT THROUGH KINGSTON AVENUE TO WINTHROP STREET; IN WINTRHOP STREET FROM KINGSTON AVENUE TO ALBANY AVENUE; TEMPORARY DRAIN IN ALBANY AVENUE FROM WINTHROP STREET TO CLARKSON AVENUE, TOGETHER WITH PUMP WELL, PUMP, MOTOR AND MOTOR HOUSE AND ALL APPURTENANCES, TO BE INSTALLED WITHIN THE KINGSTON AVENUE HOSPITAL GROUNDS EAST OF AND ADJACENT TO KINGSTON AVENUE AT A POINT ABOUT 130 FEET SOUTH OF RUTLAND ROAD.

The Engineer's estimate of the quantities is as follows:

18-inch pipe sewer	609 linear feet
15-inch pipe sewer	209 linear feet
10-inch cast iron force main	1,398 linear feet
Manholes	4
Sewer basins	6
Pump well, Pump house, motor, pump, screens and accessories	1

The time allowed for the completion of the work and full performance of the contract is forty-five (45) working days.

The amount of security required is Thirty-five hundred dollars ($3,500).

The bidder will state the price of each item or article contained in the specifications, or schedules, herein contained or hereto annexed, per linear foot or other unit of measure, by which the bids shall be tested.

The bids will be compared and the contract awarded at a lump or aggregate sum for the contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Sewers, the Borough of Brooklyn, No. 215 Montague Street Brooklyn.

L. H. POUNDS, President.

Dated, Oct. 16th, 1914. o19,30

☞See General Instructions to Bidders on last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Brooklyn at the above office until 11 o'clock A. M., on

FRIDAY, OCTOBER 30, 1914,

NO. 1. FOR REGULATING AND PAVING WITH PRELIMINARY ASPHALT PAVEMENT ON A 5-INCH CONCRETE FOUNDATION THE ROADWAY OF TERRACE PLACE FROM SHERMAN STREET TO CONEY ISLAND AVENUE.

The Engineer's estimate is as follows:

350 cu. yds. Excavation to subgrade.

80 lin. ft. Bluestone heading stones set in concrete.

220 cu. yds. Concrete.

1,580 sq. yds. asphalt pavement (5 years maintenance).

Time allowed, 25 working days. Security required, $1,000.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per lin. ft., sq. ft., sq. yd., cu. 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.

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, Oct. 16th, 1914. o19,30

☞See General Instructions to Bidders on last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Brooklyn at the above office until 11 o'clock A. M., on

TUESDAY, OCTOBER 27, 1914,

NO. 1. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN EAST 17TH STREET, FROM AVENUE O TO AVENUE P.

The Engineer's preliminary estimate of the quantities is as follows:

835 linear feet of 12-inch storm pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.35 ..... $1,127.25

835 linear feet of 8-inch sanitary pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.40 ..... 1,169.00

1,260 linear feet of 6-inch storm house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.65..... 819.00

1,270 linear feet of 6-inch sanitary house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.80..... 1,016.00

8 manholes on storm sewers complete, with special iron heads and special covers, including all incidentals and appurtenances; per manhole, $40.00 320.00

4 manholes on sanitary sewers complete, with standard iron heads and special covers, including all incidentals and appurtenances; per manhole, $45.00 ..... 180.00

Total $4,631.25

The time allowed for the completion of the work and full performance of the contract will be Forty (40) working days.

The amount of security required will be Twenty-three Hundred Dollars ($2,300.00).

NO. 2. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN EAST 13TH STREET, FROM AVENUE N TO AVENUE O.

The Engineer's preliminary estimate of the quantities is as follows:

940 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.80 ..... $1,692.00

1,050 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.80 ..... 840.00

7 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00 350.00

2,000 feet, Board Measure, of sheeting and bracing, driven in place complete, including all incidentals and appurtenances; per thousand feet, Board Measure, $18.00 ..... 36.00

Total $2,918.00

The time allowed for the completion of the work and full performance of the contract will be Forty (40) working days.

The amount of security required will be One Thousand Five Hundred Dollars ($1,500.00).

NO. 3. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN 71ST STREET, FROM 18TH AVENUE TO 19TH AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

86 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $2.15 ..... $184.90

649 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.70 ..... 1,103.30

955 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.85 ..... 811.75

24 house connection drains reconnected complete, including all incidentals and appurtenances; per reconnection, $3.00 ..... 72.00

7 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00 ..... 350.00

Total $2,521.95

The time allowed for the completion of the work and full performance of the contract will be Thirty (30) working days.

The amount of security required will be One Thousand Three Hundred Dollars ($1,300.00).

NO. 4. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN 11TH AVENUE, BETWEEN 53RD AND 54TH STREETS.

The Engineer's preliminary estimate of the quantities is as follows:

285 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.90 ..... $541.50

431 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.85 ..... 366.35

3 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00 ..... 150.00

2 sewer basins complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $115.00 ..... 230.00

Total $1,287.85

The time allowed for the completion of the work and full performance of the contract will Thirty (30) working days.

The amount of security required will be Seven Hundred Dollars ($700.00).

NO. 5. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN EAST 13TH STREET (ARGYLE ROAD) BETWEEN DITMAS AND NEWKIRK AVENUES.

The Engineer's preliminary estimate of the quantities is as follows:

31 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $2.60 ..... $80.60

508 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.50 ..... 762.00

460 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.80 ..... 368.00

5 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00 ..... 250.00

1,000 feet, Board Measure, of sheeting and bracing, driven in place complete, including all incidentals and appurtenances; per thousand feet, Board Measure, $18.00 ..... 18.00

Total $1,478.60

The time allowed for the completion of the work and full performance of the contract will be Thirty (30) working days.

The amount of security required will be Seven Hundred Dollars ($700.00).

NO. 6. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN WILLIAMS AVENUE, FROM LOUISIANA AVENUE TO HEGEMAN AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

388 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.75 ..... $679.00

330 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.85 ..... 280.50

4 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00 ..... 200.00

Total $1,159.50

The time allowed for the completion of the work and full performance of the contract will be thirty (30) working days.

The amount of security required will be Six Hundred Dollars ($600.00).

NO. 7. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN 64TH STREET, FROM 14TH AVENUE TO NEW UTRECHT AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

353 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.70 ..... $600.10

362 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.80 ..... 289.60

3 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00 ..... 150.00

Total $1,039.70

The time allowed for the completion of the work and full performance of the contract will be Thirty (30) working days.

The amount of security required will be Five Hundred Dollars ($500.00).

NO. 8. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN BROOKLYN AVENUE, FROM AVENUE "D" TO CLARENDON ROAD.

The Engineer's preliminary estimate of the quantities is as follows:

753 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.75 ..... $1,317.75

1,340 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.80 ..... 1,072.00

7 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00 ..... 350.00

Total $2,739.75

The time allowed for the completion of the work and full performance of the contract will be Thirty (30) working days.

The amount of security required will be Fourteen Hundred Dollars ($1,400.00).

NO. 9. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING HOUSE CONNECTION DRAINS ON SEWER IN 74TH STREET, BETWEEN 16TH AND 17TH AVENUES, AND SEWER BASINS AT THE NORTHEAST AND SOUTHEAST CORNERS OF 74TH STREET AND NEW UTRECHT AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

560 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.90 ..... $504.00

2 sewer basins complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $125.00 ..... 250.00

Total $754.00

The time allowed for the completion of the work and full performance of the contract will be Thirty (30) days.

The amount of security required will be Four Hundred Dollars ($400.00).

NO. 10. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN ON 20TH AVENUE AT THE WESTERLY CORNER OF 81ST STREET.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood, and connecting culvert, including all incidentals and appurtenances; per basin, $125.00 ..... $125.00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Sixty dollars ($60.00).

NO. 11. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN ON 1ST STREET, AT THE SOUTHWEST CORNER OF 18TH AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin complete, of either standard design, with iron pans or grating, iron basin hood, and connecting culvert, including all incidentals and appurtenances; per basin, $125.00 ..... $125.00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Sixty dollars ($60.00).

NO. 12. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN 15TH AVENUE, BETWEEN 46TH STREET AND 47TH STREET.

The Engineer's preliminary estimate of the quantities is as follows:

223 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.85 ..... $412.55

248 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.85 ..... 210.80

3 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00 ..... 150.00

Total $773.35

The time allowed for the completion of the work and full performance of the contract will be Thirty (30) working days.

The amount of security required will be Four Hundred Dollars ($400.00).

The foregoing Engineer's preliminary estimates of the total cost for the completed work are to be taken as the 100 per cent. basis and test for bidding. Proposals shall each state a single percentage of such 100 per cent. (such as 95 per cent., 100 per cent. or 105 per cent.) for which all materials and work called for in the proposed contract and the notices to bidders are to be furnished to the City. Such percentage as bid for this contract shall apply to all unit items specified in the Engineer's preliminary estimate to an amount necessary to complete the work described in the contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Sewers, 215 Montague st., Borough of Brooklyn.

o15,27 L. H. POUNDS, President.

☞See General Instructions to Bidders on last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Brooklyn at the above office until 11 o'clock A. M., on

TUESDAY, OCTOBER 27, 1914,

1—FOR FURNISHING AND DELIVERING 100 TONS REFINED ASPHALT TO BE DELIVERED TO MUNICIPAL ASPHALT PLANT, 7TH ST. BASIN, BETWEEN 6TH AND 7TH STS., ON OR BEFORE DECEMBER 31, 1914.

Security required, 30% of the total amount for which the contract is awarded.

2—FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON EAST 7TH ST. FROM DITMAS AVE. TO 18TH AVE.

The Engineer's estimate is as follows:

720 cu. yds. excavation.

250 cu. yds. fill (not to be bid for).

1,800 lin. ft. steel bound cement curb (1 year maintenance).

7,970 sq. ft. cement sidewalks (1 year maintenance).

7,970 sq. ft. 6-inch cinder or gravel sidewalk foundation.

Time allowed, 30 working days. Security required, $1,000.

3—FOR REGULATING AND PAVING WITH PRELIMINARY ASPHALT PAVEMENT ON A 5" CONCRETE FOUNDATION THE ROADWAY OF EAST 9TH ST. FROM AVE. N TO AVE. O.

The Engineer's estimate is as follows:

695 cu. yds. excavation to subgrade.

60 lin. ft. bluestone heading stones set in concrete.

435 cu. yds. concrete.

3,125 sq. yds. asphalt pavement (5 years maintenance).

Time allowed, 30 working days. Security required, $1,900.

4—FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON EAST 18TH ST. FROM AVE. M TO AVE. N.

The Engineer's estimate is as follows:

3,500 cu. yds. fill to be furnished.

1,600 lin. ft. steel bound cement curb (1 year maintenance).

8,040 sq. ft. cement sidewalks (1 year maintenance).

8,040 sq. ft. 6-inch cinder or gravel sidewalk foundation.

Time allowed, 50 working days. Security required, $1,400.

5—FOR REGULATING, CURBING AND PAVING WITH PRELIMINARY ASPHALT PAVEMENT ON A 5-INCH CONCRETE FOUNDATION THE ROADWAY OF EAST 22ND ST. FROM DITMAS AVE. TO NEW KIRK AVE.

The Engineer's estimate is as follows:

370 cu. yds. excavation to subgrade.

435 lin. ft. old curbstone reset in concrete.

590 lin. ft. new curbstone set in concrete

230 cu. yds. concrete.

1,660 sq. yds. asphalt pavement (5 years maintenance).

Time allowed, 30 working days. Security required, $1,400.

6—FOR REGULATING AND PAVING WITH PRELIMINARY ASPHALT PAVEMENT ON A 5-INCH CONCRETE FOUNDATION THE ROADWAY OF EAST 23RD ST. FROM AVE. M TO AVE. N.

The Engineer's estimate is as follows:

615 cu. yds. excavation to subgrade.

30 lin. ft. bluestone heading stones set in concrete.

385 cu. yds. concrete.

2,765 sq. yds. asphalt pavement (5 years maintenance).

Time allowed, 30 working days. Security required, $1,700.

7—FOR REGULATING AND PAVING WITH PRELIMINARY ASPHALT PAVEMENT ON A 5" CONCRETE FOUNDATION THE ROADWAY OF EAST 24TH ST. FROM AVE. M TO AVE. N.

The Engineer's estimate is as follows:

615 cu. yds. excavation to subgrade.

30 lin. ft. bluestone heading stones set in concrete.

385 cu. yds. concrete.

2,765 sq. yds. asphalt pavement (5 years' maintenance).

Time allowed, 30 working days. Security required, $1,700.

8—FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON HINSDALE ST. FROM RIVERDALE AVE. TO NEW LOTS AVE.

The Engineer's estimate is as follows:

2,420 cu. yds. excavation.

60 cu. yds. fill (not to be bid for).

10 lin. ft. old stone curb reset in concrete

1,850 lin. ft. steel bound cement curb (1 year maintenance).

8,270 sq. ft. cement sidewalks (1 year maintenance).

8,270 sq. ft. 6-inch cinder or gravel sidewalk foundation.

Time allowed, 30 working days. Security required, $1,200.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per lin. ft., sq. ft., sq. yd., cu. yd. 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, Oct. 13, 1914. o15,27

☞**See General Instructions to Bidders on last page, last column, of the "City Record."**

DEPARTMENT OF TAXES AND ASSESSMENTS.

PROPERTY OWNERS, NOTICE!

The annual Record of the Assessed Valuation of Real Estate in the City of New York for 1915 will be open for inspection, examination, and correction from

OCTOBER 1 until, but not including, NOVEMBER 16, 1914.

The annual Record of Assessed Valuation of Personal Estate for the City of New York for 1915 will be open for inspection, examination, and correction from

OCTOBER 1 until, but not including, DECEMBER 1, 1914.

During the time the books are open for public inspection, application may be made to the Department of Taxes and Assessments by any person or corporation claiming to be aggrieved by the assessed valuation to have it corrected.

Applications for the reduction of Real Estate assessments must be made in writing and should be upon blanks furnished by the Department.

Applications for the correction of the Personal assessments of corporations must be filed at the main office in the Borough of Manhattan.

Applications in relation to the assessed valuation of Personal Estate must be made by the person assessed at the office of the Department, in the Borough where such person resides, and, in case of a non-resident carrying on business in the City of New York, at the office of the Department in the Borough where such place of business is located, between the hours of 10 A. M. and 2 P. M., except on Saturday, when all applications must be made between 10 A. M. and 12 noon.

LOCATION OF OFFICES.

Manhattan—Main Office, Municipal Building, 9th Floor.

Bronx—Bergen Building, Tremont and Arthur Aves.

Brooklyn—Offerman Building, Duffield and Fulton Sts.

Queens—Court House Square, Long Island City.

Richmond—Borough Hall, New Brighton, S. I.

LAWSON PURDY, President; JOHN J. HALLERAN, CHAS. T. WHITE, COLLIN H. WOODWARD, ARDOLPH L. KLINE, GEORGE V. MULLAN, FREDERIC B. SHIPLEY, Commissioners. a26,d1

FIRE DEPARTMENT.

Proposals.

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, ELEVENTH FLOOR, MUNICIPAL BUILDING, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock A. M., on

WEDNESDAY, NOVEMBER 4, 1914,

FOR FURNISHING AND APPLYING EIGHT (8) GASOLINE PROPELLED TRACTORS, FIVE FOR STEAM FIRE ENGINES AND THREE FOR HOOK AND LADDER TRUCKS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is One Hundred and Five (105) Calendar Days.

The amount of security required is Thirty per cent. (30%) of the amount of the bid or estimate.

NOTICE TO CONTRACTORS.

No bid will be received from any contractor or any manufacturer who does not submit a sworn statement prior to filing his bid, setting out that he has produced and placed in successful operation for six months prior to the time of opening of these bids (which sworn statement shall contain the time and place of putting them in service) ten (10) tractors of the type called for by these specifications, including motor, transmission, lubrication, and ignition.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per tractor or other unit of measure, by which the bids will be tested. The extension must be made and footed up, as the bids will be read from the total. The bids will be compared and the contract awarded at a lump or aggregate sum.

Bids for supplies must be submitted in duplicate

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 Fire Department, Eleventh Floor, Municipal Building, Manhattan.

ROBERT ADAMSON, Fire Commissioner.

o22,n4

☞**See General Instructions to Bidders on last page, last column, of the "City Record."**

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, ELEVENTH FLOOR, MUNICIPAL BUILDING, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock A. M., on

WEDNESDAY, NOVEMBER 4, 1914,

FOR FURNISHING AND APPLYING TEN (10) GASOLINE PROPELLED TRACTORS, SEVEN FOR STEAM FIRE ENGINES AND THREE FOR HOOK AND LADDER TRUCKS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is One Hundred and Twenty (120) Calendar Days.

The amount of security required is Thirty per cent. (30%) of the amount of the bid or estimate.

NOTICE TO CONTRACTORS.

No bid will be received from any contractor or any manufacturer who does not submit a sworn statement prior to filing his bid, setting out that he has produced and placed in successful operation for six months prior to the time of opening of these bids (which sworn statement shall contain the time and place of putting them in service) ten (10) tractors of the type called for by these specifications, including motor, transmission, lubrication, and ignition.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per tractor or other unit of measure, by which the bids will be tested. The extension must be made and footed up, as the bids will be read from the total. The bids will be compared and the contract awarded at a lump or aggregate sum.

Bids for supplies must be submitted in duplicate.

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 Fire Department, Eleventh Floor, Municipal Building, Manhattan.

ROBERT ADAMSON, Fire Commissioner.

o22,n4

☞**See General Instructions to Bidders on last page, last column, of the "City Record."**

POLICE DEPARTMENT.

Auction Sales.

POLICE DEPARTMENT, CITY OF NEW YORK, October 16th, 1914.

PUBLIC NOTICE IS HEREBY GIVEN THAT the One Hundred and Sixty-seventh Public Auction Sale, consisting of CONDEMNED POLICE DEPARTMENT HORSES, will be held at the Sales Stables of Messrs. Van Tassell & Kearney, Nos. 130 and 132 East 13th Street, on

TUESDAY, OCTOBER 27, 1914,

at 12 Noon.

Lot No. 1, Horse Outsider, No. 346; Lot No. 2, Horse Yankee, No. 430; Lot No. 3, Horse Stagg, No. 604; Lot No. 4, Horse Post, No. 479; Lot No. 5, Horse Kismet, No. 666; Lot No. 6, Horse Idle, No. 565; Lot No. 7, Horse Galore, No. 407; Lot No. 8, Horse Victim, No. 742; Lot No. 9, Horse Sunset, No. 634; Lot No. 10, Horse First Mate, No. 412; Lot No. 11, Horse Stanley, No. 49; Lot No. 12, Horse Sysonby, No. 713; Lot. No. 13, Horse Quaker, No. 750; Lot No. 14, Horse Roger, No. 290; Lot No. 15, Horse Custer, No. 235; Lot No. 16, Horse Highness, No. 210.

ARTHUR WOODS, Police Commissioner.

o21,27

Owners Wanted for Unclaimed Property.

POLICE DEPARTMENT, CITY OF NEW YORK.

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.

POLICE DEPARTMENT OF CITY OF NEW YORK, BOROUGH OF BROOKLYN.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York—Office, No. 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.

BOARD OF ESTIMATE AND APPORTIONMENT.

Notice of Public Hearing.

PUBLIC IMPROVEMENT MATTERS.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system within the area bounded approximately by West 242nd Street, Tibbett Avenue, Cayuga Avenue, West 246th Street, Tibbett Avenue, West 250th Street, the Post Road, West 246th Street and Broadway, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines and grades of the street system within the area bounded approximately by West 242nd Street, Tibbett Avenue, Cayuga Avenue, West 246th Street, Tibbett Avenue, West 250th Street, the Post Road, West 246th Street and Broadway, 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 April 22, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of Munn Avenue from Westchester Avenue to Parker Street, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines and grades of Munn Avenue from Westchester Avenue to Parker Street, 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 13, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the grade at the intersection of Hoe Avenue with West Farms Road, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the grade at the intersection of Hoe Avenue with West Farms Road, 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 January 7, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system within the territory bounded by Hampton Street, South Railroad Avenue, Junction Avenue and Corona Avenue, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines and grades of the street system within the territory bounded by Hampton Street, South Railroad Avenue, Junction Avenue and Corona Avenue, in the Borough of Queens, 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 1, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system bounded by Dongan Street, Broadway, Maurice Avenue and Poyer Street, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines of the street system bounded by Dongan Street, Broadway, Maurice Avenue and Poyer Street in the Borough of Queens, 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 13, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to lay out a street system and establish grades for the territory bounded by Stiles Place, Station Road, Utopia Parkway, Crocheron Avenue, Beechhurst Avenue and Jackson Avenue, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by laying out a street system and establishing grades for the territory bounded by Stiles Place, Station Road, Utopia Parkway, Crocheron Avenue, Beechhurst Avenue and Jackson Avenue in the Borough of Queens, 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 17, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the grade of Decatur Street between Wyckoff Avenue and Irving Avenue, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the grade of Decatur Street between Wyckoff Avenue and Irving Avenue, in the Borough of Queens, 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 17, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to establish the lines and grades of the street system within the area designated as Section No. 175 of the Final Map, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by establishing the lines and grades of the street system within the area designated as Section No. 175 of the Final Map, bounded approximately by Peconic Avenue, Greenwood Avenue, Dumont Avenue, Cedar Avenue, Blake Avenue, Lefferts Avenue, Dumont Avenue, Raritan Street, North Conduit Avenue, Panama Street and Fairfield Avenue, in the Borough of Queens, 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 1, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to establish the lines and grades of Decker Avenue from Cherry Lane to Post Avenue, Borough of Richmond, and that a meeting of said Board will be held in the Old Council Chamber, City Hall Borough of Manhattan, City of New York, on November 6, 1914, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on October 9, 1914, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by establishing the lines and grades of Decker Avenue from Cherry Lane to Post Avenue, 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 April 30, 1914.

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 6th day of November, 1914, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 6th day of November, 1914.

Dated October 23, 1914.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. o23,n4

Notice of Public Hearing.

FRANCHISE MATTERS.

PUBLIC NOTICE IS HEREBY GIVEN PURsuant to law that at a meeting of the Board of Estimate and Apportionment, held October 2, 1914, the following petition was received:

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

The petition of THE BROOKLYN CITY RAILROAD COMPANY respectfully shows:

1. Your petitioner is a street surface railroad corporation duly organized and existing under the laws of the State of New York, and heretofore and under date of February 14, 1893, it duly leased its roads and routes to The Brooklyn Heights Railroad Company. Your petitioner has duly made and filed, pursuant to Section 170 of the Railroad Law, a statement of the name and description of the street, road, avenue or highway and private property in or upon which it is proposed to construct, maintain and operate an extension or branch of its railroad as herein set forth.

2. Your petitioner desires to obtain from The City of New York and hereby respectfully applies for its consent to a grant of the franchise or right to use a certain street, road, avenue, highway or public grounds within or belonging to The City of New York for the construction and operation, in and upon the surface thereof, of an extension or branch of its street surface railroad, to consist of a double track street surface railroad, for public use and conveyance of persons and property for compensation, including such poles, wires, conduits, connections, switches, sidings, turnouts, crossovers and suitable stands, equipment or other structures as may be necessary for the accommodation and operation of said railroad by the overhead or other system of electricity or other motive power which may be lawfully used upon the same.

3. The following is a description of the said certain street, road, avenue, highway, driveway or public grounds within or belonging to The City of New York in, through, upon or along which your petitioner desires to extend its railroad, to wit:

BEGINNING at a point in Fresh Pond Road at the intersection of the petitioner's tracks with the track or tracks of its so-called Lutheran Cemetery Line of railroad, extending thence upon and along said Fresh Pond Road to and connecting with the petitioner's track or tracks on Myrtle Avenue in the Borough of Queens, with suitable connections between such extended tracks and the tracks of the so-called Lutheran Cemtery Line and with the existing tracks on Myrtle Avenue.

4. Your petitioner proposes to operate the railroad to be constructed upon said street, either directly or through a lessee, by the overhead trolley system or by any other motive power other than steam locomotive power, which may be approved by the Public Service Commission for the First District, and consented to by the owners of property bounded upon said route as provided by law.

5. Your petitioner submits herewith a map or plan showing the location of said tracks and connections of the same with its present street surface railroad tracks and said Lutheran Cemetery Line and with its present street surface railroad tracks on Myrtle Avenue, so as to permit of the operation of street surface railroad cars for the conveyance of persons and property over said extension or branch of its said railroad.

WHEREFORE your petitioner prays that public notice herein of the time and place, when and where this application will be first considered, be duly given as required by the laws applicable thereto, and that the desired consent or grant be embodied in the form of a contract with all the terms and conditions as to compensation and otherwise, in accordance with the provisions of the Greater New York Charter and the Laws of the State.

Dated at the Borough of Brooklyn, The City of New York, September 18th, 1914.

THE BROOKLYN CITY RAILROAD COMPANY, By FRANK LYMAN, President.

(Seal.)

Attest: Z. E. WATSON, Secretary.

CITY AND STATE OF NEW YORK, COUNTY OF KINGS, SS.:

On this 18th day of September, 1914, before me personally came Frank Lyman, to me known, who being by me duly sworn did depose and say that he resided in the Borough of Brooklyn, State of New York; that he is the President of The Brooklyn City Railroad Company, the corporation described in and which executed the foregoing instrument; that he knew the seal of said corporation; that the seal affixed to said instrument was 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.

L. C. SANFORD, Notary Public, Kings County, No. 237. Certificate filed in New York County, No. 131. Kings County Register's, No. 6804. New York County Register's, No. 5347. Commission expires Mch. 30, 1915.

(Seal.)

—and the following resolutions were thereupon adopted:

Whereas, the foregoing petition from The Brooklyn City Railroad Company, dated September 18, 1914, was presented to the Board of Estimate and Apportionment at a meeting held October 2, 1914.

Resolved, that in pursuance of law this Board sets Friday, the Thirtieth day of October, 1914, at 10:30 o'clock in the forenoon and Room 16 in the City Hall, Borough of Manhattan, as the time and place when and where such petition shall be first considered, and a public hearing be had thereon, at which citizens shall be entitled to appear and be heard; and be it further

Resolved, that the petition and these resolutions shall be published for at least fourteen (14) days in two daily newspapers in the City of New York, to be designated by the Mayor, and for at least ten (10) days in the CITY RECORD immediately prior to such date of public hearing. The expense of such publication to be borne by the petitioner.

JAMES D. McGANN, Assistant Secretary, Room 1307, Municipal Building, Centre and Chambers Streets, Borough of Manhattan. Telephone, 4560 Worth.

New York, October 2, 1914. o19,30

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment held this day the public hearing on the form of contract for the grant of a franchise to The Yonkers Electric Light and Power Company; the Westchester Lighting Company; The New York Edison Company and The United Electric Light and Power Company, to construct, maintain and operate conductors, conduits, poles and towers for the operation of one line of poles and towers, and to install and maintain wires, cables and other conductors upon the route described in the contract, over the Catskill Aqueduct Lands and other lands acquired for water supply purposes, between the northerly boundary line of the City and the boundary line between the Counties of Westchester and Putnam, acquired or purchased by the City, pursuant to law, subject to the limitation set forth in the contract, which was, by resolution duly adopted, fixed for July 2, 1914, when it was continued until Thursday, July 30, 1914, when it was continued until August 27, 1914, when it was continued until Monday, September 21, 1914, when it was continued until October 16, 1914, was continued until Friday, November 13, 1914, at 10:30 o'clock A. M., in Room 16, City Hall, Borough of Manhattan, when and where all citizens interested will have an opportunity to appear and be heard.

JAMES D. McGANN, Assistant Secretary, Room 1307, Municipal Building, Centre and Chambers Streets, Borough of Manhattan. Telephone, 4560 Worth.

Dated, New York, October 16, 1914.

o19,n13

PUBLIC NOTICE IS HEREBY GIVEN THAT the public hearing, in accordance with the provisions of Sections 525 and 527 of the Greater New York Charter, of all parties interested, in order that this Board may determine whether, in its opinion, the electrical conductors in White Plains Road between Gun Hill Road and 242nd Street and in Gun Hill Road between Webster Avenue and the Boston Post Road, shall be placed underground, which hearing was, by resolution adopted July 30, 1914, fixed for September 21, 1914, when it was continued until October 16, 1914, was continued until Friday, October 30, 1914, at 10:30 o'clock A. M., in Room 16, City Hall, Borough of Manhattan, at which time and place all persons interested will be afforded an opportunity to be heard.

JAMES D. McGANN, Assistant Secretary, Room 1307, Municipal Building, Centre and Chambers Streets, Borough of Manhattan. Telephone, 4560 Worth.

Dated, New York, October 16, 1914.

o19,30

PUBLIC NOTICE IS HEREBY GIVEN THAT the public hearing on the form of contract modifying contract dated July 10, 1912, granting a franchise to the Manhattan Bridge Three Cent Line, by substituting a new route on Fulton Street, Ashland Place and Lafayette Avenue, Borough of Brooklyn, for a portion of its existing route on Rockwell Place, Flatbush Avenue, Fourth Avenue and Atlantic Avenue, which hearing was by resolution adopted on November 20, 1913, fixed for December 24, 1913, and was continued from time to time until June 12, 1914, was continued on the latter date until June 19, 1914, when it was continued until August 27, 1914, when it was continued until Monday, September 21, 1914, when it was continued until October 16, 1914, was continued until Friday, November 13, 1914, at 10:30 o'clock A. M., in Room 16, City Hall, Borough of Manhattan, when and where all citizens interested will have an opportunity to appear and be heard.

JAMES D. McGANN, Assistant Secretary, Room 1307, Municipal Building, Centre and Chambers Streets, Borough of Manhattan. Telephone, 4560 Worth.

Dated, New York, October 16, 1914.

o19,n13

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 Kings County Refrigerating Company has by a petition verified July 25, 1914, applied to this Board for the right, privilege and franchise to construct, maintain and operate conduits along certain streets and avenues in the Borough of Brooklyn for the purpose of supplying refrigeration to consumers in Wallabout Market and the streets immediately adjacent thereto and for the consent of this Board to the surrender and cancellation of a certain contract dated August 13, 1907, by and between The City of New York and said Kings County Refrigerating Company, granting said Company a franchise for the construction, maintenance and operation of conduits in and along certain streets in the Borough of Brooklyn; 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 30, 1914, fixing the date for public hearing thereon as September 21, 1914, at which citizens were entitled to appear and be heard, and publication was had for at least two (2) days in the "Brooklyn Daily Eagle" and the "Evening Post," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing; and the public hearing was duly held on such day; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for and proposed to be granted to the Kings County Refrigerating Company, and the adequacy of the compensation to be paid therefor; now, therefore, it is

Resolved, That the following form of the resolution for the grant of the franchise or right applied for by the Kings County Refrigerating Company, containing the form of proposed contract for the grant of such franchise or right be hereby introduced and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the Kings County Refrigerating Company the franchise or right fully set out and described in the following form of proposed contract for the grant thereof, embodying all of the terms and conditions including the provisions as to rates and charges upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

This contract, made and executed in duplicate this day of , 1914, 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 KINGS COUNTY REFRIGERATING COMPANY (hereinafter called the Company), party of the second part, WITNESSETH:

WHEREAS, By contract dated August 13, 1907, by and between The City of New York and the Kings County Refrigerating Company, that Company was granted a franchise to construct, maintain and operate a conduit along certain streets in the Borough of Brooklyn for the purpose of supplying refrigeration to consumers located in such streets and in the lands of the Wallabout Market; and

WHEREAS, The Company, pursuant to said contract, deposited with the Comptroller of the City the sum of five hundred dollars ($500) as security for the performance of the terms and conditions of said contract; and

WHEREAS, The said Company has exercised its rights under the franchise so granted up to the present time; and

WHEREAS, The Company under date of July 25, 1914, applied to the Board for its consent to the surrender and cancellation of said franchise and for the grant of a franchise in substitution therefor:

NOW, THEREFORE, in consideration of the premises and of the mutual covenants herein contained, the parties hereto do hereby covenant and agree, as follows:

SECTION 1. The said contract dated August 13, 1907, is hereby declared by the parties hereto to be null and void and of no effect as of November 1, 1914, and the City, upon the payment to it of all compensation up to November 1, 1914, at the rate fixed by said contract, regardless of the date when such payments are due and payable as provided in said contract, shall surrender and deliver to the Company the sum of five hundred dollars ($500), deposited as security under the said contract.

The grant herein contained, with the conditions thereof, shall in all respects be substituted for and take the place of all the rights and privileges granted by said contract of August 13, 1907, and the Company agrees to release and hereby does release to the City any and all rights acquired by the Company under said contract.

SECTION 2. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate certain pipes and conduits with the necessary branches and extensions therefrom, leading directly into private property and into property of the City in Wallabout Market, for the sole purpose of supplying refrigeration to consumers, provided that such conduit shall not be of greater size or dimension than shall be necessary to contain therein not more than two (2) pipes of an inside diameter not to exceed six (6) inches each, and the necessary insulation or covering for such pipes. Such pipes and conduits to be constructed and operated only beneath the surface of such of the streets, avenues and highways situate within the Borough of Brooklyn, City of New York, as are included within the districts bounded and described as follows:

District Number 1.

Bounded on the north by a line beginning at a point formed by the intersection of the center line of Clinton Avenue with the northerly boundary line of the Wallabout Market lands; thence along the said northerly boundary line of said Wallabout Market lands to the westerly line of Fleeman Avenue; thence along said westerly line of Fleeman Avenue to a point opposite the center line of C Street; thence along the center line of C Street to the center line of Washington Avenue; thence northerly along the center line of Washington Avenue, again intersecting the center line of C Street; thence along the center line of C Street and a prolongation thereof to the easterly boundary line of the Wallabout Market lands.

Bounded on the east by the easterly boundary line of Wallabout Market lands;

Bounded on the south by a line beginning at the intersection of Flushing Avenue with a prolongation of the easterly boundary line of the Wallabout Market lands; thence along the center line of Flushing Avenue to a point opposite Block Number 1876; thence southerly across Flushing Avenue and into said Block Number 1876; thence westerly to the center line of Hall Street; said line within Block Number 1876 following lot lines and including in District Number 1 Lots Numbers 21, 22, 23, 24 and 25; thence along the center line of Hall Street to a point opposite the property of the Kings County Refrigerating Company; thence by an irregular line through Block Number 1875 to the center line of Washington Avenue, including in District Number 1 Lots Numbers 10, 14, 21, 25, 27, 28, 30, 32, 35 and 38 of Block Number 1875; thence southerly along the center line of Washington Avenue to a point opposite the southerly boundary line of Lot Number 41 of Block Number 1874; thence westerly across Washington Avenue and along said southerly line of Lot Number 41 to the westerly boundary line of said Lot Number 41; thence northerly in Block Number 1874 to the northerly line of said block and across Flushing Avenue to the center line thereof, including in District Number 1 Lots Numbers 30, 35, 36, 37, 38, 39, 40, 41 and a portion of Lot 20 in Block Number 1874; thence along said center line of Flushing Avenue to its intersection with the center line of Clinton Avenue.

Bounded on the west by the center line of Clinton Avenue and the westerly boundary line of the lands of Wallabout Market.

The block and lot numbers referred to above are those shown on the tax maps of the City.

Provided, however, that upon written application to the Board by the Company, the Board may, by resolution, extend the lines of District Number 1 hereinabove described to all or any part of a district bounded and described as follows:

District Number 2.

Bounded on the north by the boundary line of the Wallabout Market lands.

Bounded on the east by the boundary line of the Wallabout Market lands and the center line of Ryerson Street.

Bounded on the south by the center line of Park Avenue and the center line of Flushing Avenue.

Bounded on the west by the center line of Waverly Avenue, the center line of Clinton Avenue and the westerly boundary line of the Wallabout Market lands.

Both of which districts being more particularly shown—District Number 1 by full red lines, and District Number 2 by dashed red lines —on a map entitled:

"Map showing districts applied for by the Kings County Refrigerating Company, Brooklyn, N. Y., to accompany petition dated July 25, 1914, to the Board of Estimate and Apportionment, City of New York."

—signed by P. M. Sayford, Treasurer, a copy of which is hereto annexed and made a part of this contract.

Should District Number 1 be extended as hereinbefore provided, then the terms and conditions of this contract shall apply to such extended district; provided that the Company shall without further consent of the Board and at the present time have the right and hereby agrees to construct, maintain and operate in and through District Number 2 such conduits and pipes as may be necessary to supply with refrigeration the premises of the Steel Drake Baking Company, known as Nos. 42-43-44-45-159-160 and 162 Wallabout Market, and to supply such premises. The Company shall also have the right to supply such other applicants as may have premises abutting on streets in which said conduits and pipes may be laid for the purpose of supplying said premises of the Steel Drake Baking Company.

SECTION 3. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company:

First—That said right to construct, maintain and operate said pipes and conduits shall be held and enjoyed by the Company for the term of fifteen (15) years from November 1, 1914, with the privilege of renewal of said contract for the further period of ten (10) years, upon a fair revaluation of such right and privilege.

Such right and privilege to be valued as if the Company had not exercised the same for the said period of fifteen (15) years, and no allowance shall be made to the Company in such valuation by reason of such exercise.

If the Company shall determine to exercise its privilege of renewal it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time not earlier than two (2) years and not later than one (1) year before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but in no case shall the annual rate of compensation to the City be fixed at a less amount than the sum required to be paid during the last year prior to the termination of the original term of this contract.

If the Company and the Board shall not reach such agreement on or before the day one (1) year before the expiration of the original term of this contract, then the annual rate of compesation for such succeeding ten (10) years shall be reasonable and either the City (by the Board) or the Company shall be bound upon request of the other to enter into a written agreement with each other fixing the rate of such compensation at such amount as shall be reasonable, but in no case shall the annual rate so fixed be less than the sum required to be paid for the last year prior to the termination of the original term of this contract and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate and at such amount as shall be determined by three disinterested freeholders selected in the following manner:

One disinterested freeholder shall be chosen by the Board; one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluation aforesaid. Such appraisers shall be chosen at least six (6) months prior to the expiration of this original contract, and their report shall be filed with the Board within three (3) months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience and upon such information as they may obtain by inquiries and investigations, without the presence of either party. They shall have the right to examine any of the books of the Company and its officers under oath. The valuation so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum shall in any event be less than the sum required to be paid for the last year of the original term of this contract. If in any case the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate theretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company each paying one-half thereof.

Second—The Company shall pay to the City

for the privilege hereby granted the following sums of money:

(*a*) The sum of two hundred and fifty dollars ($250) in cash within one (1) month after the date on which this contract is signed by the Mayor, and before anything is done in exercise of the privilege hereby granted.

(*b*) During the first term of five years an annual sum which shall be equal to two (2) per cent. of its gross annual receipts, but which sum shall not be less than five hundred dollars ($500).

During the second term of five years, an annual sum which shall be equal to three (3) per cent. of its gross annual receipts, but which sum shall not be less than six hundred dollars ($600).

During the third term of five years, an annual sum which shall be equal to three (3) per cent. of its gross annual receipts, but which sum shall not be less than seven hundred dollars ($700).

The gross annual receipts mentioned above shall be the total receipts from all business of furnishing refrigeration to consumers.

(*c*) In addition to the above payments the Company shall pay to the City an annual payment of ten cents ($0.10) for each linear foot of pipe (where separately constructed) or conduit constructed within the limits of any street, avenue, highway or other property belonging to the City, excepting, however, such pipes or conduits as are constructed within the vault space or vault spaces of any building or buildings used or occupied exclusively by the Company for the purpose of its business.

An annual payment of two dollars ($2) for each manhole constructed within the limits of any stret, avenue, highway or other property belonging to the City.

The annual charges shall commence from November 1, 1914.

All annual charges 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 charge as the time between November 1, 1914, and December 31, 1914, 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.

Third—The annual charges or payments shall continue throughout the whole term of this contract (whether original or renewal), notwithstanding any clause in any statute or in the charter of any other company providing for payments for refrigerating rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted (whether original or renewal), or of any part thereof, or of any of the streets and avenues mentioned herein, or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sub-lease shall contain a covenant on the part of the assignee or lessee that the same is subject to all conditions of this contract, and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said condition 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.

Fourth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual, firm or other corporation a similar right or privilege upon the same or other terms and conditions, over the same streets and avenues, or within the districts hereinbefore described.

Fifth—The rights and privileges hereby granted shall not be assigned either in whole or in part, or leased or sub-let 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 therein contained to the contrary thereof in any wise nothwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Sixth—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination or forfeiture of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the pipes, conduits and appurtenances of the Company constructed pursuant to this contract within the streets, avenues or other property of the City shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this contract as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of its pipes, conduits and appurtenances constructed pursuant to this contract and the said streets, avenues or other property of the City shall be restored to their original condition at the sole cost and expense of the Company.

Should the Company at any time discontinue the use of any pipes or conduits at any time constructed or used by it within either of the districts specified in this contract, the Company shall, at its own expense, immediately on such discontinuance remove such pipes or conduits from the streets and restore the surface of the streets to its original condition.

Seventh—The grant of this privilege is subject to whatever right, title or interest the owners of abutting property or others may have in and to the streets and avenues in which the Company is hereby authorized to operate.

Eighth—All construction which shall be made under this grant shall be done in a manner solely upon the terms and conditions hereafter to be imposed by the President of the Borough of Brooklyn and the Commissioner of Water Supply, Gas and Electricity, or their respective successors in authority. The said Company shall submit a working plan of construction to the said President and to the said Commissioner, which shall include and show in detail the method of construction of said pipes or conduits, connections, manholes and other appurtenances, and the mode of protection of all subsurface construction under the streets, avenues or other property of the City in which the Company is hereby authorized to operate.

Ninth—Any alteration to the sewerage or drainage system, or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the pipes or conduits of the Company, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Tenth—It is agreed that the right hereby granted shall not be in preference or in hindrance to public work of the City and should the said pipes or conduits in any way interfere with the construction of public works in the streets, avenues or other property of the City, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the pipes, conduits and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Eleventh—The Company shall bear the expense of keeping in repair for one year after it has been replaced, all pavement which may at any time be removed by said Company, either for the purpose of construction or for the repairing of the pipes or conduits and the appurtenances thereof.

Twelfth—The Company shall bear the expense of inspection which may be required by the President of the Borough of Brooklyn and the Commissioner of Water Supply, Gas and Electricity, and of all work of construction.

Thirteenth—The Company shall cause a test to be made of the pipes hereby authorized whether laid within conduits or separately whenever required by and under the supervision of the Commissioner of Water Supply, Gas and Electricity. The conditions of such test shall be as follows:

(*a*) If the test be made in the foundry where the pipes are manufactured, such pipes shall be subjected to a pressure of three hundred (300) pounds per square inch.

(*b*) If the test be made in the field, of pipes in use or ready for use, such pipes shall be subjected to a pressure of two hundred (200) pounds per square inch.

A certificate showing that such a test has been made without injury to the pipes shall be executed by an officer of the Company, and indorsed by the Commissioner of Water Supply, Gas and Electricity, and filed with the Board.

Fourteenth—The Company shall not charge consumers more than the following rates for refrigeration to be furnished to boxes properly insulated at a temperature not lower than 32 degrees Fahrenheit:

Four (4) cents per month per cubic foot for boxes of not over 500 cubic feet.

Two (2) cents per month per cubic foot for boxes of over 500 cubic feet, but less than 1,500 cubic feet.

One (1) cent per month per cubic foot for boxes of 1,500 cubic feet and over.

These rates shall not apply to boxes located above the first floor of any building.

During the term of this contract the Board shall have absolute power to regulate the minimum and maximum rates, provided that such rates shall be reasonable and fair.

Fifteenth—The Company, upon the application for refrigeration of any person, firm or corporation whose premises are located within District Number 1, or if such district be extended as hereinbefore provided, then within such extended district, shall extend its pipes or conduits to such premises and furnish to said applicant refrigeration at the rates herein prescribed or at such rates as may be hereafter fixed by the Board as herein provided. The Company shall not be required, however, to furnish refrigeration to applicants whose premises are located above the first floor of any building.

Nothing contained in this subdivision shall affect the obligations of the Company, as hereinbefore contained, to extend its conduits and pipes outside the present boundaries of District Number 1, so as to furnish refrigeration to the premises of the Steel-Drake Baking Company, known as 42, 43, 44, 45, 159, 160 and 162 Wallabout Market.

Sixteenth—A correct map shall be furnished to the Board by the Company on the first day of February, 1915, showing the exact location of all pipes, conduits and manholes constructed, with reference to the street lines, the curb lines and the street surface, together with a statement of the total length of such pipes and conduits. On the same date of each succeeding year, during the term of this contract, a supplementary map shall be furnished the Board showing all pipes and conduits laid during the preceding year

Seventeenth—The pipes and conduits hereby authorized shall be used only by the Kings County Refrigerating Company, and for no other purpose than supplying refrigeration.

Eighteenth—The Company shall submit a report to the Board not later than February 1, in 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.
11. Number of feet of pipe and conduit now laid.
12. The total amount expended for same.
13. Amount, kind and capacity of machinery now in use and required for operation.
14. The total amount expended for same.
15. Quantity of refrigeration produced during the year and the average price received for same.
16. Quantity used in Company's own warehouses.
17. Quantity furnished to outside consumers.
18. Number and location of warehouses occupied by the Company, exclusively or in part, and the extent of such occupation by the Company.
19. Number of outside consumers supplied.
20. Amounts paid by Company for damages to persons or property on account of construction and operation.
21. Total expenses of operation, including salaries.

—and such other information in regard to the businesss of the Company as may be required by the Board.

Nineteenth—The Company shall at all times keep accurate books of account of the gross receipts from the privileges granted under this contract, and on or before February 1 in each year shall make a verified report to the Comptroller of The City of New York of the business done by the Company for the year ending December 31 next preceding in such form as he may prescribe. Such report shall contain the number of feet of pipe and conduit laid and the number of manholes constructed during the year, and also a statement of the gross receipts from all business of furnishing refrigeration to consumers, together with such other information and in such detail 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.

Twentieth—In case of any violation or breach or failure to comply with any of the provisions herein contained or with any orders of the Board acting under the powers herein reserved, the franchise or consent herein granted may be forfeited by a suit brought by the Corporation Counsel on notice of ten days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the pipes and conduits constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith. Any false entry in the books of the Company or false statement in the reports to the Comptroller as to a material fact knowingly made by the Company shall constitute such a violation or breach or failure to comply with the provisions herein contained as to warrant the forfeiture of the franchise.

Twenty-first—If the Company shall fail to give efficient public service at the rates herein fixed, or fail to maintain its pipes, conduits and appurtenances 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 fifty dollars ($50) as fixed or liquidated damages, or the Board in case such pipes, conduits or appurtenances which may affect the surface of the streets shall not be put in good condition within a reasonable time after notice by the Board as aforesaid shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Twenty-second—The Company shall assume all liability for damages to persons or property occasioned by reason of the construction or operation of the pipes or conduits authorized by this contract, and it is a condition of this contract that the City shall assume no liabiliy whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

Twenty-third—This grant is upon the express condition that the Company, before anything is done in exercise of the rights conferred hereby, shall deposit with the Comptroller of the City the sum of five hundred dollars ($500), 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 compliance with all orders of the Board, acting under the powers herein reserved, especially those which relate to the payment of the annual charges for the privilege hereby granted, the rendering of efficient public service at the rates herein fixed, the repairs of the street pavement and the maintenance of the property in good condition throughout the whole term of this contract, and in case of default in the performance by the Company of such terms and conditions, or compliance with such orders, or either or any of them, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or after default in the payment of the annual charges, shall collect the same, with interest, from the said fund after ten (10) days' notice to the Company; or in case of failure to observe the said terms and conditions of this contract, or its neglect or refusal to comply with any notice or direction of the Board, or other municipal officials, given or made pursuant to the terms of the contract, or under the authority of any laws or ordinances now or hereafter in force in such case and in any of these events, the Company shall pay to the City a penalty of one hundred dollars ($100) for each violation, which sums may be deducted from said fund.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company, directing its President or other officer to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or after a hearing appears in the judgment of the Board to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice in writing, pay to the City a sum sufficient to restore said security fund to the original amount of five hundred dollars ($500), and in default thereof this contract shall be canceled and annulled at the option of the Board, acting in behalf of the City. No action or proceeding or rights under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City. These provisions for the recovery of penalties are in addition to the right to forfeit the franchise conferred by Section 3, Twentieth, of this contract.

Twenty-fourth—The grant of this franchise, so far as it shall affect the Wallabout Market lands, is and shall be subject to such further conditions, restrictions, agreement or consent as the Comptroller may see fit to impose or require, pursuant to the authority and control over the lands of the Wallabout Market vested in him by the Charter of the City.

Twenty-fifth—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided, shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Twenty-sixth—The words "streets or avenues" and "streets and avenues," wherever used in this contract, shall be deemed to mean "streets, avenues, highways, parkways, driveways, concourses, boulevards, bridges, viaducts, tunnels, public places or any other property to which the City has title or over which the public has an easement," included in the districts hereinabove described, and under the surface of or in which authority is hereby given to the Company to construct or maintain its pipes or conduits.

Twenty-seventh—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.

SECTION 4. 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 fixe 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.

KINGS COUNTY REFRIGERATING COMPANY,
By
President.

[SEAL.]
Attest:
Treasurer.

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted and the adequacy of the compensation proposed to be paid therefor and of the terms and conditins, including the provisions as to rates and charges, are as hereinbefore specified and fully set forth in and by the foregoing form of proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions, including the said resolution for the grant of a franchise or right applied for by the Kings County Refrigerating Company, and the said form of a proposed contract for the grant of such franchise or right, containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published in full for at least fifteen (15) days immediately prior to Friday, October 30, 1914, 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 franchise or right applied for by the Kings County Refrigerating Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolutions 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 Friday, October 30, 1914, at 10.30 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 Friday, October 30, 1914, in the "Brooklyn Daily Eagle" and the "Evening Post," the two daily newspapers in which the petition and notice of hearing thereon have been published.

JAMES D. McGANN, Assistant Secretary, Room 1307, Municipal Building, Centre and Chambers Streets, Borough of Manhattan. Telephone 4560 Worth.

Dated, New York, October 2, 1914. o13,30

DEPARTMENT OF PARKS.

Proposals.

DEPARTMENT OF PARKS, MUNICIPAL BUILDING, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, NOVEMBER 5, 1914,
Borough of Brooklyn.

FOR ALL LABOR AND MATERIALS REQUIRED FOR A PORTION OF THE STEAM HEATING APPARATUS FOR THE ADDITIONS F AND G OF THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES, SITUATED AT THE EASTERN PARKWAY, BOROUGH OF BROOKLYN.

The amount of security required is Three thousand Dollars ($3,000).

The time allowed to complete the work will be thirty (30) consecutive working days.

Certified check or cash in the sum of One hundred and Fifty Dollars ($150) must accompany bid.

Blank forms and other information may be obtained at the office of McKim, Mead & White, Architects, 101 Park Avenue, Borough of Manhattan, City of New York, where plans and specifications may be seen.

The bids will be compared and the contract awarded at a lump or aggregate sum.

CABOT WARD, President; RAYMOND V. INGERSOLL, THOMAS W. WHITTLE, JOHN E. WEIER, Commissioners of Parks, o23,n5

See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF QUEENS.

Proposals.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, FIFTH STREET AND JACKSON AVENUE, LONG ISLAND CITY, BOROUGH OF QUEENS, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at the above office until 11 o'clock A. M. on

THURSDAY, NOVEMBER 5, 1914,

NO. 1. FOR FURNISHING AND DELIVERING SIGNS, POSTS AND FRAMES FOR ASSEMBLING AND ERECTING STREET SIGNS IN THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be Sixty (60) calendar days.

The amount of the security for the performance of the contract shall be thirty (30) per cent. of the total amount for which the contract is awarded.

NO. 2. FOR REGULATING AND GRADING, AND ALL WORK INCIDENTAL THERETO, IN MANLEY STREET, FROM HUNTERSPOINT AVENUE TO THOMSON AVENUE, FIRST WARD, BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be Sixty (60) working days.

The amount of security required will be Three Thousand Five Hundred ($3,500) Dollars.

The Engineer's estimate of the quantities is as follows:

500 cubic yards of Earth Excavation;

11,000 cubic yards of Embankment (in excess of excavation);

100 cubic yards of Concrete.

NO. 3. FOR FURNISHING AND DELIVERING TO THE BUREAU OF HIGHWAYS 4,000 CUBIC YARDS OF BROKEN STONE AND SCREENINGS OF TRAP ROCK AS DIRECTED IN THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be on or before January 1st, 1915.

The amount of the security for the performance of the contract will be thirty (30) per cent. of the total amount for which the contract is awarded.

The bidder must state the price of each item or article contained in the specification or schedule herein contained or hereafter annexed, per square yard, 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, October 23rd, 1914.

MAURICE E. CONNOLLY, President.

o23,n5

☞**See General Instructions to Bidders on last page, last column, of the "City Record."**

BOARD OF ASSESSORS.

Completion of Assessments.

PUBLIC NOTICE IS HEREBY GIVEN TO the owner or owners of all houses and lots, improved and unimproved lands affected thereby, that the following proposed assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

Borough of Manhattan,

4291. Regulating, grading, curbing, flagging, etc., Service Street on the east side of Riverside Drive between 139th and 142nd Streets. Affecting Block Nos. 2087 and 2088.

Borough of Queens,

4236. Sewer and appurtenances in Forest Avenue from Putnam Avenue southerly to Putnam Avenue northerly and in Putnam Avenue from Forest Avenue to Buchman Avenue, Second Ward. Affecting Block Nos. 85, 87, 91, 92 and 93.

4270. Paving Willow Street from Main Street to Hoyt Avenue, First Ward.

Borough of The Bronx.

4313. Regulating, grading, curbing, flagging and paving East 140th Street between Park and Morris Avenues.

Borough of Brooklyn.

4110. Regulating, grading, curbing and flagging Bay 32nd Street between 86th Street and Cropsey Avenue. Together with a list of awards for damages caused by a change of grade.

4276. Regulating, grading, curbing and flagging 17th Avenue between 79th and 84th Streets.

4277. Regulating, grading, curbing and flagging 59th Street between 15th and 16th Avenues.

4278. Regulating, grading, curbing and flagging Crown Street between Schenectady and Utica Avenues.

4279. Regulating, grading, curbing and flagging East 40th Street between Avenue I and Avenue K.

4281. Paving Avenue I from Brooklyn Avenue to East 40th Street.

4282. Paving East 2nd Street from Avenue I to 22nd Avenue.

4283. Paving 46th Street between 13th and 18th Avenues.

4301. Regulating, grading, curbing and flagging East 18th Street from a line about 100 feet south of Avenue K to Avenue L.

4302. Regulating, grading, curbing and flagging East 38th Street from Avenue K north to the Long Island Railroad.

4307. Paving West 30th Street between Mermaid and Surf Avenues.

4308. Paving 54th Street between 13th and 15th Avenues.

The area of assessment in the above mentioned lists extends to within half the block at the intersecting and terminating streets and avenues.

4261. Sewer in 74th Street from the end of the existing sewer about 184 feet east of 17th Avenue to 18th Avenue. Affecting Block Nos. 6204 and 6215.

4315. Sewer in Atkins Avenue between Blake and New Lots Avenues. Affecting Block Nos. 4070 and 4071.

4316. Sewer in Carroll Street between Bedford and Rogers Avenues. Affecting Block Nos. 1281 and 1288.

4320. Sewer in East 5th Street between Avenue F and 18th Avenue. Affecting Block Nos. 5411 and 5412.

4321. Sewer in East 16th Street from summit about 252 feet south of Avenue J to Avenue K. Affecting Block Nos. 6717 and 6718.

4322. Basin on 4th Avenue at north corner of Marine Avenue. Affecting Block No. 6126.

4324. Basins on 72nd Street at northeast and northwest corners of 7th Avenue. Affecting Block Nos. 5899 and 5900.

4325. Sewer in Snyder Avenue between East 35th Street and Brooklyn Avenue. Affecting Block Nos. 4889, 4890 and 4906.

All persons whose interests are affected by the above named proposed assessments, and who are opposed to the same or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, Room 809, Municipal Building, New York, on or before November 17, 1914, at 10 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

ALFRED P. W. SEAMAN, WM. C. ORMOND, JACOB J. LESSER, Board of Assessors.

ST. GEORGE B. TUCKER, Secretary, Room 809, Municipal Building, City of New York, Borough of Manhattan.

October 17, 1914. o17,28

SUPREME COURT — FIRST DEPARTMENT.

Application for Appointment of Commissioners.

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 233d Street to East 237th Street, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held in Part III, in and for the County of New York, in the County Court-house, in the Borough of Manhattan, City of New York, on the 2nd day of November, 1914, at the opening of Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title in fee by The City of New York, for the use of the public, to all the lands and premises, together with the buildings thereon and the appurtenances thereunto belonging required for the opening and extending of Digney Avenue at a width of 50 feet from East 233d Street to East 237th Street, in the Twenty-fourth Ward, Borough of The Bronx, City of New York, being the following-described pieces or parcels of land:

Beginning at a point in the northern line of East 233d Street distant 1,875.18 feet easterly from the intersection of said line with the eastern line of White Plains Road. Thence easterly along said northern line of East 233d Street for 24.79 feet to the northern line of Edenwald Avenue. Thence still easterly and along last-mentioned line for 30.73 feet. Thence northerly deflecting 90° to the left for 1,847.42 feet to the eastern line of East 237th Street. Thence southerly along last-mentioned line for 21.70 feet to the southern line of said East 237th Street. Thence westerly and along last-mentioned line for 46.75 feet. Thence southerly for 1,844.36 feet to the point of beginning.

Digney Avenue is shown on a map entitled "Map showing the reduction of width of Digney Avenue, from East 233d Street to East 237th Street and the adjustments of grades of intersecting avenues and streets necessitated thereby," which map was filed in the office of the President of the Borough of The Bronx on September 14, 1914, in the office of the Register of the County of The Bronx on September 14, 1914, and in the office of the Corporation Counsel of The City of New York on September 14, 1914..

Land to be taken for Digney Avenue is located east of the Bronx River.

The Board of Estimate and Apportionment on the 26th day of June, 1914, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

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 northeasterly 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.

Dated New York, October 21st, 1914.

FRANK L. POLK, Corporation Counsel, Municipal Building, Borough of Manhattan, City of New York. o21,31

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 BLONDELL AVENUE, from Barlow street to Westchester avenue, in the 24th Ward, Borough of The Bronx, City of New York, as shown on a map or plan adopted by the Board of Estimate and Apportionment February 23rd, 1911, and approved by the Mayor March 6, 1911.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court House in the Borough of Manhattan, in The City of New York, on the 6th day of November, 1914, 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, October 22nd, 1914.

JAMES F. DONNELLY, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. o22,n2

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 LURTING AVENUE (also known as Hone Avenue and as Forest 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, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court House in the Borough of Manhattan, in The City of New York, on the 6th day of November, 1914, 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, October 22nd, 1914.

CLARENCE C. ROGERS, EDWARD F. BARRETT, JOHN E. CONNOLLY, Commissioners of Estimate. EDWARD F. BARRETT, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. o22,n2

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 NEWTON AVENUE from West 253rd Street to West 260th Street, in the 24th Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court House in the Borough of Manhattan, in The City of New York, on the 4th day of November, 1914, 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, October 20th, 1914.

CHAS. C. MARRIN, CHAS. SCHANO, JAMES W. O'BRIEN, Commissioners of Estimate. CHAS. C. MARRIN, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. o20,30

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 widening of WEST 238TH STREET, from its intersection with Broadway to Albany Road, on its southerly side, excluding the right of way of the New York and Putnam Railroad; and WEST 239TH STREET, from Review Place to Putnam Avenue West, in the 24th Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court House in the Borough of Manhattan, in The City of New York, on the 4th day of November, 1914, 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, October 20th, 1914.

MICHAEL J. EGAN, JOHN DAVIS, OWEN B. MURPHY, Commissioners of Estimate. MICHAEL J. EGAN, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. o20,30

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 CASTLE HILL AVENUE from West Farms Road to the Public Place at its southern terminus and the PUBLIC PLACE at the southern terminus of Castle Hill Avenue, fronting on Westchester Creek, The East River and Pugsleys Creek, 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, 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, Room 1557, 15th Floor, Municipal Building, Chambers and Center Streets, Borough of Manhattan, in The City of New York, on or before the 28th day of October, 1914, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 30th day of October, 1914, at 2 o'clock P. M.

SECOND: 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 July, 1907, and on the 25th day of September, 1913, 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.:

DISTRICT A.

BEGINNING at a point on the easterly line of Pugsleys Creek distant 100 feet northerly from the northerly line of the public place at the foot of Castle Hill avenue, and running thence eastwardly and always distant 100 feet northerly from and parallel with the northerly line of the public place to the intersection with a line always distant 100 feet westerly from and parallel with the westerly line of Castle Hill avenue, the said distance being measured at right angles to Castle Hill avenue; thence northwardly along the said line parallel with Castle Hill avenue, and along the prolongation of the said line to the intersection with a line always distant 100 feet northerly from and parallel with the northerly line of West Farms road, the said distance being measured at right angles to West Farms road; thence eastwardly along the said line parallel with West Farms road to the intersection with the prolongation of a line always distant 100 feet easterly from and parallel with the easterly line of Castle Hill avenue, the said distance being measured at right angles to Castle Hill avenue; thence southwardly along the said line parallel with Castle Hill avenue and along the prolongation of the said line to a point distant 100 feet northerly from the northerly line of the public place at the foot of Castle Hill avenue, the said distance being measured at right angles to the northerly line of the public place; thence eastwardly along a line always distant 100 feet northerly from and parallel with the northerly line of the public place to the intersection with the westerly bulkhead line of Westchester Creek; thence southwestwardly and northwestwardly along the bulkhead lines of Westchester Creek and along the line of Pugsleys Creek to the point or place of beginning.

DISTRICT B.

BEGINNING at the intersection of the prolongation of a line distant 1,290.2 feet westerly from and parallel with the central line of Castle Hill avenue, the said distance being measured at right angles to the line of Castle Hill avenue with the northerly line of Pugsleys Creek, and running thence northwardly and always parallel with and distant 1,290.2 feet westerly from the central line of Castle Hill avenue and along the prolongation of the said line to the intersection with a line midway between Pierce avenue and Van Nest avenue, the former course being located practically midway between Trask avenue and Screvin avenue; thence eastwardly and along the said line midway between Pierce avenue and Van Nest avenue and along the prolongation of the said line to the intersection with a line midway between Hone avenue and Lurting avenue; thence southwardly along a line always midway between Hone avenue and Lurting avenue, and along the prolongation of the said line to the intersection with the prolongation of a line midway between St. Peters avenue and Overing street; thence southeastwardly along the said line midway between St. Peters avenue and Seddon street, and along the prolongation of the said line to the intersection with a line midway between St. Raymond avenue and Glebe avenue; thence southwestwardly along the said line midway between St. Raymond avenue and Glebe avenue to the intersection with a line midway between Roland street and Zerega avenue; thence southeastwardly along the said line midway between Zerega avenue and Roland street to the intersection with a line distant 1,290.2 feet easterly from and parallel with the central line of Castle Hill avenue, the said distance being measured at right angles to the line of Castle Hill avenue; thence southwardly along the said line parallel with and always distant 1,290.2 feet easterly from the centre line of Castle Hill avenue to the intersection with the southeasterly line of Zerega avenue; thence southeastwardly at right angles to the line of Zerega avenue to the intersection with the bulkhead line of Westchester Creek; thence southwestwardly and northwestwardly along the bulkhead line of Westchester Creek and along the line of Pugsleys Creek to the point or place of beginning, excluding the area designated as "District A."

THIRD: That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the said area of assessment in accordance with the resolution of the Board of Estimate and Apportionment adopted on the 25th day of September, 1913.

FOURTH: That the abstract of said supplemental and amended assessment for benefit, together with the benefit maps, and also all the affidavits, estimates, proofs and other documents used 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 Center streets, in the Borough of Manhattan, in said City, there to remain until the 29th day of October, 1914.

FIFTH: That provided there be no objections filed to said supplemental and amended abstract, the supplemental and amended report 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 24th day of December, 1914, at the opening of the Court on that day.

SIXTH: In case, however, objections are filed to the foregoing supplemental and amended abstract of assessment, the motion to confirm the supplemental and amended report 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, October 8th, 1914.

TIMOTHY F. DRISCOLL, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. o17,28

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 BENEDICT AVENUE between Storrow Street and Olmstead Avenue, 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 them at their 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 4th day of November, 1914, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 6th day of November, 1914, at 2 o'clock P. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 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 4th day of November, 1914, 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 November, 1914, at 2.30 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 3rd day of October, 1912, 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 prolongation of a line midway between Olmstead avenue and Odell street as these streets are laid out at Starling avenue, where it is intersected by a line bisecting the angle formed by the intersections of the prolongations of the centre lines of McGraw avenue and Benedict avenue, as these streets are laid out east of Pugsley avenue, and running thence southwardly along the said line midway between Olmstead avenue and Odell street and along the prolongation of the said line to the intersection with the prolongation of a line midway between Benedict avenue and Westchester avenue; thence westwardly along the said line midway between Benedict avenue and Westchester avenue and along the prolongations of the said line to the intersection with the prolongation of a line distant 100 feet westerly from and parallel with the westerly line of Storrow street, the said distance being measured at right angles to Storrow street; thence northwardly along the said line, parallel with Storrow street and along the prolongation of the said line to the intersection with the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of Benedict avenue, the said distance being measured at right angles to Benedict avenue; thence eastwardly along the said line parallel with Benedict avenue and along the prolonga-

tion of the said line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the centre lines of McGraw avenue and Benedict avenue, as these streets are laid out east of Pugsley avenue; thence eastwardly along the said bisecting line to the point or place of beginning.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Room 1529, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in said City, there to remain until the 9th day of November, 1914.

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 24th day of December, 1914, 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 adjqurned 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, October 9th, 1914.

CHARLES C. MARRIN, Chairman; FRANCIS X. McDONOUGH, WILLIAM E. SMITH, Commissioners of Estimate. FRANCIS X. McDONOUGH, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. o14,30

FIRST DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of HAVILAND AVENUE, from Virginia Avenue to Zerega Avenue; of BLACKROCK AVENUE, from Virginia Avenue to the Bulkhead Line of Westchester Creek; of CHATTERTON AVENUE, from Virginia Avenue to the Bulkhead Line of Westchester Creek, and of WATSON AVENUE, from Clasons Point Road to Havemeyer Avenue, and from the Unnamed Street west of Zerega Avenue to the Bulkhead Line of Westchester Creek, in the 24th Ward, Borough of The Bronx, City of New York, as amended by an order of the Supreme Court, First Department, dated August 11, 1914, and entered in the office of the Clerk of the County of Bronx on August 17, 1914, so as to conform to a map or plan adopted by the Board of Estimate and Apportionment November 6, 1913, and approved by the Mayor November 13, 1913, in which a change was made in the harbor lines heretofore fixed for Westchester Creek, involving a slight change in the lengths of Watson Avenue, Blackrock Avenue and Chatterton Avenue in the easterly block, the proceeding as amended providing for the acquisition of title to HAVILAND AVENUE, from Virginia Avenue to Zerega Avenue; WATSON AVENUE, from Clasons Point Road to Havemeyer Avenue, and from the Unnamed Street west of Zerega Avenue to the Bulkhead Line of Westchester Creek; BLACKROCK AVENUE, from Virginia Avenue to the Bulkhead Line of Westchester Creek, and CHATTERTON AVENUE, from Virginia Avenue to the Bulkhead Line of Westchester Creek as the foregoing streets are now laid out upon the map or plan of The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First.—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, 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 November, 1914, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 5th day of November, 1914, at 2.30 o'clock P. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 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 November, 1914, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 6th day of November, 1914, at 2.30 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 amended area of assessment for benefit by the Board of Estimate and Apportionment on the 13th day of March, 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 westerly bulkhead line of Westchester Creek, as shown upon a map adopted by the Board of Estimate and Apportionment on November 6, 1913, where it is intersected by the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of Watson Avenue, the said distance being measured at right angles to Watson Avenue, and running thence southwardly along the said bulkhead line of Westchester Creek to the intersection with a line midway between Ludlow Avenue and Chatterton Avenue; thence westwardly along a line always midway between Ludlow Avenue and Chatterton Avenue and along the prolongation of the said line to the intersection with a line distant 100 feet westerly from and parallel with the westerly line of Virginia Avenue, the said distance being measured at right angles to Virginia Avenue; thence northwardly along the said line parallel with Virginia Avenue to the intersection with the prolongation of a line midway between Ludlow Avenue and Watson Avenue, as these streets are laid out between White Plains Road and Noble Avenue; thence westwardly along the said line midway between Ludlow Avenue and Watson Avenue, and along the prolongations of the said line to the intersection with a line midway between Morrison Avenue and Harrod Avenue; thence northwardly along the said line midway between Morrison Avenue and Harrod Avenue to the intersection with a line at right angles to Clasons Point Road and passing through a point on its northeasterly side where it is intersected by the prolongation of a line midway between Powell Avenue and Haviland Avenue; thence northeastwardly along the said line at right angles to Clasons Point Road to the intersection with its northeasterly side; thence eastwardly along the said line midway between Powell Avenue and Haviland Avenue, and along the prolongations of the said line to a point distant 100 feet easterly from the easterly line of Zerega Avenue; thence southwardly and parallel with Zerega Avenue to the intersection with a line parallel with Watson Avenue, and passing through the point of beginning; thence eastwardly along the said line parallel with Watson 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 5th day of November, 1914.

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 22nd day of December, 1914, 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, October 7th, 1914.

JOHN DAVIS, Chairman; JAMES W. O'BRIEN, WILFRED H. WARNER, Commissioners of Estimate. WILFRED H. WARNER, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. o13,29

SUPREME COURT—SECOND DEPARTMENT.

Hearings on Qualifications.

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title in fee to SACKMAN STREET, from Livonia Avenue to Riverdale Avenue, and from Newport Street to a point 220 feet North of Vienna Avenue, in the 26th Ward, in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT Frank W. Holmes, F. Matthew Saauze and Thomas C. Whitlock were appointed by an order of the Supreme Court made and entered the 16th day of October, 1914, Commissioners of Estimate and Frank W. Holmes Commissioner of Assessment in the above-entitled proceeding.

NOTICE IS ALSO GIVEN that the above-named Commissioners will attend at a Special Term for the hearing of motions, appointed to be held at the Kings County Court House in the Borough of Brooklyn, The City of New York, on the 5th day of November, 1914, on the opening of the Court on that day, or as soon thereafter as counsel can be heard; and at said time and place, or at such other time and place as the Court may direct, the said Commissioners may be examined under oath as to their qualifications to act, and are subject to challenge by any party or persons interested in this proceeding, as provided by Section 973 of Title 4 of Chapter XVII of the Charter of The City of New York.

Dated, New York, October 21st, 1914.

FRANK L. POLK, Corporation Counsel. o21,31

Filing Bill of Costs.

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 76TH STREET, from Narrows Avenue to First Avenue, from Third Avenue to Seventh Avenue, from Fort Hamilton Avenue to the westerly line of New Utrecht Avenue, and from the easterly line of New Utrecht Avenue to 22nd Avenue; and 77TH STREET, from Fort Hamilton Avenue to 15th Avenue, from 16th Avenue to the westerly line of New Utrecht Avenue, and from the easterly line of New Utrecht Avenue to 22nd Avenue, 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 5th day of November, 1914, on the opening of the Court on that day, or as soon thereafter as Counsel can be heard; 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, October 22nd, 1914.

BURT L. RICH, F. MATTHEW SAAUZE, JOHN N. HARMAN, Commissioners of Estimate. BURT L. RICH, Commissioner of Assessment.

MELVILLE J. FRANCE, Clerk. o22,n2

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 COTTON STREET, from Arrietta Street to Griffin Street, in the 2nd Ward, Borough of Richmond, City of New York.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, 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 4th day of November, 1914, 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, October 21st, 1914.

SAMUEL H. EVINS, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. o21,31

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 FOWLER STREET, from Lawrence street to a point distant 1,730.02 feet westerly therefrom; BLOSSOM STREET, from Lawrence street to Saull street; SAULL STREET, from Cherry street to Irving place; CHERRY STREET, from Saull street to Colden avenue; COLDEN AVENUE, from Hillside avenue to a line distant about 75 feet north of Jacinth street (Juniper street), and from the northerly line of Mulberry street to Underhill avenue, in the Third 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 Trial Term thereof, Part I, to be held at the Queens County Court House, Long Island City, in the Borough of Queens, in The City of New York, on the 29th day of October, 1914, 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, October 17th, 1914.

CLINTON B. SMITH, HARRY R. GELWICKS, ROBERT WILSON, Commissioners of Estimate. CLINTON B. SMITH, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. o17,28

Filing Preliminary Abstracts.

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 EAST 32ND STREET, from Avenue H to Flatbush Avenue, from Avenue I to Avenue J, and from a line about 454 feet south of the southerly line of Avenue M to Kings Highway; EAST 33RD STREET, from Flatbush Avenue to Avenue J; EAST 34TH STREET, from Church Avenue to Canarsie Lane, from the southerly property line of the Flatbush Waterworks Company to Farragut Road, and from the Long Island Railroad to Flatlands Avenue; and EAST 35TH STREET, from the southerly property line of the Flatbush Waterworks Company to Farragut Road, and from Avenue H to Flatbush Avenue, in the 29th and 32nd Wards, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First.—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, No. 166 Montague Street, in the Borough of Brooklyn, in the City of New York, on or before the 5th day of November, 1914, 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 November, 1914, at 3:30 o'clock P. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, No. 166 Montague Street, in the Borough of Brooklyn, in the City of New York, on or before the 5th day of November, 1914, 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 November, 1914, at 3:30 o'clock P. M.

Third.—That the Commissioner of Assessments has assessed any or all of 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 25th day of January, 1912, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, viz.:

I.—Bounded on the north by a line always distant 100 feet northerly from and parallel with the northerly line of Church Avenue, the said distance being measured at right angles to Church Avenue; on the east by a line midway between East 34th Street and East 35th Street; on the south by a line always distant 100 feet southerly from and parallel with the southerly line of Canarsie Lane, the said distance being measured at right angles to Canarsie Lane, and on the west by a line midway between New York Avenue and East 34th Street.

II.—Bounded on the north by the southerly property line of the Flatbush Waterworks Company; on the east by a line midway between East 35th Street and Brooklyn Avenue; on the south by a line distant 100 feet southerly from and parallel with the southerly line of Farragut Road, the said distance being measured at right angles to Farragut Road, and on the west by a line midway between New York Avenue and East 34th Street.

III.—Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Avenue H, the said distance being measured at right angles to Avenue H; on the east by a line midway between East 32nd Street and New York Avenue and by the prolongation of the said line; on the south by the northerly right of way line of the Long Island Railroad, and on the west by a line midway between East 31st Street and East 32nd Street, as these streets are laid out north of Flatbush Avenue, and by the prolongation of the said line.

IV.—Beginning at a point on the southerly line of Avenue N where it is intersected by the prolongation of a line midway between East 33rd Street and East 34th Street, as these streets are laid out north of Avenue N, and running thence northwardly along the said line midway between East 33rd Street and East 34th Street, and along the prolongation of the said line to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Avenue J, the said distance being measured at right angles to Avenue J; thence westwardly along the said line parallel with Avenue J to the intersection with a line midway between East 31st Street and East 32nd Street; thence northwardly along the said line midway between East 31st Street and East 32nd Street to the intersection with a line distant 100 feet northerly from and parallel with the northerly line of Avenue I, as this street is laid out where it adjoins East 32nd Street, the said distance being measured at right angles to Avenue I; thence eastwardly along the said line parallel with Avenue I and along the prolongation of the said line, to the intersection with a line distant 100 feet westerly from and parallel with the westerly line of East 34th Street, as this street is laid out immediately north of and adjoining Avenue I, said distance being measured at right angles to East 34th Street; thence northwardly along the said line parallel with East 34th Street and along the prolongation of the said line to the intersection with the southerly right of way line of the Long Island Railroad; thence generally eastwardly along the said right of way line to the intersection with the prolongation of a line midway between East 34th Street and East 35th Street; thence northwardly along the said line midway between East 34th Street and East 35th Street and along the prolongation of the said line to the intersection with a line distant 100 feet northerly from and parallel with the northerly line of Avenue H, the said distance being measured at right angles to Avenue H; thence eastwardly along the said line parallel with Avenue H to the intersection with a line midway between East 35th Street and Brooklyn Avenue; thence southwardly along the said line midway between East 35th Street and Brooklyn Avenue and along the prolongations of the said line to the intersection with the prolongation of a line distant 100 feet southerly from and parallel with the southerly line of Avenue J, as this street is laid out between East 34th Street and East 35th Street, the said distance being measured at right angles to Avenue J; thence westwardly along the said line parallel with Avenue J and along the prolongation of the said line to the intersection with a line midway between East 34th Street and East 35th Street; thence southwardly along the said line midway between East 34th Street and East 35th Street, and along the prolongation of the said line to the intersection with a line distant 100 feet southeasterly from and parallel with the southeasterly line of Flatlands Avenue, as this street is laid out between East 35th and East 36th Streets, the said distance being measured at right angles to Flatlands Avenue; thence southwestwardly along the said line parallel with Flatlands Avenue, and along the prolongation of the said line to the intersection with a line parallel with East 35th Street, as this street is laid out south of Flatlands Avenue, and passing through the point of beginning; thence northwestwardly along the said line parallel with East 35th Street to the point or place of beginning.

V.—Beginning at a point on the southeasterly line of Kings Highway where it is intersected by the prolongation of a line midway between East 31st Street and East 32nd Street, as these streets are laid out where they adjoin Avenue M on the south, and running thence northwardly along the said line midway between East 31st Street and East 32nd Street and along the prolongation of the said line to the intersection with a line at right angles to East 32nd Street and passing through a point on its westerly side distant 454 feet southerly from its intersection with the southerly line of Avenue M; thence southeastwardly along the said line at right angles to East 32nd Street, to the intersection with a line midway between East 32nd Street and East 33rd Street, as these streets are laid out north of Kings Highway; thence southwardly along the said line midway between East 32nd Street and East 33rd Street and along the prolongation of the said line to the intersection with a line distant 100 feet southeasterly from and parallel with the southeasterly line of Kings Highway, said distance being measured at right angles to Kings Highway; thence southwestwardly and parallel with Kings Highway to the intersection with a line at right angles to Kings Highway and passing through the point of beginning; thence northwestwardly along the said line at right angles to Kings Highway 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, No. 166 Montague Street, in the Borough of Brooklyn, in said City, to remain until the 16th day of November, 1914.

Fifth.—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 17th day of December, 1914, 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, October 17th, 1914.

JOHN E. EASTMOND, EDWARD J. BYRNE, JAMES CUNNINGHAM, Commissioners of Estimate. JOHN E. EASTMOND, Commissioner of Assessment.

MELVILLE J. FRANCE, Clerk. o17,n4

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 APOLLO STREET from Meeker Avenue to the Bulkhead Line of Newtown Creek, and PORTER AVENUE from Maspeth Avenue to Meeker Avenue, in the 17th and 18th Wards, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to-wit:

First.—That the undersigned, Commissioner of Assessment, has completed his amended and supplemental estimate of benefit, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him

at his office, No. 166 Montague Street, in the Borough of Brooklyn, in The City of New York, on or before the 24th day of October, 1914, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 26th day of October, 1914, at 11 o'clock A. M.

Second:—That the Commissioner of Assessments has assessed any or all of 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 22nd day of November, 1907, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, viz.:

BEGINNING at a point on the southwesterly bulkhead line of Newtown creek at its intersection with a line bisecting the angle formed by the prolongation of the centre lines of Apollo street and Pollock street, and running thence southwestwardly along the said line bisecting the angle between Apollo and Pollock streets to the intersection with the prolongation of a line midway between Apollo street and Hausman avenue; thence southwardly along the said line midway between Apollo street and Hausman avenue and along the prolongation of the said line to the intersection with a line 100 feet south of and parallel with the southerly line of Meeker avenue, the said distance being measured at right angles to the line of Meeker avenue; thence eastwardly along said line parallel with and always distant 100 feet south of the southerly line of Meeker avenue to the intersection with the prolongation of a line midway between Vandervoort avenue and Porter avenue as the said avenues are laid out south of Anthony street; thence southwardly along the said line midway between Vandervoort avenue and Porter avenue and along the prolongation of said line to the intersection with a line 100 feet south of and parallel with the southerly line of Maspeth avenue; thence eastwardly and along a line 100 feet south of and parallel with the southerly line of Maspeth avenue to the intersection with the prolongation of a line midway between Porter avenue and Varick avenue; thence northwardly along the said line midway between Porter Avenue and Varick Avenue and along the prolongation of the said line to a point distant 100 feet north of the northerly line of Cherry street; thence northwestwardly at right angles to the northwesterly line of Meeker Avenue to a point distant 100 feet northwesterly from the said northwesterly line of Meeker avenue; thence southwestwardly and parallel with and always distant 100 feet northwesterly from the northwesterly line of Meeker avenue to the intersection with a line midway between Vandam street and Apollo street as the said streets are laid out between Bridgewater street and Meeker avenue; thence northwardly along the said line midway between Vandam street and Apollo street to the southwesterly side of Bridgewater street; thence northeastwardly to a point on the northeasterly side of Bridgewater street midway between the intersection of the said northeasterly side of Bridgewater street with the northwesterly side of Vandam street and with the southeasterly side of Apollo street; thence northeastwardly to a point on the southwesterly bulkhead line of Newtown Creek midway between the intersection of the said Bulkhead line with the northwesterly side of Vandam street and the southeasterly side of Apollo street; thence northwestwardly along the southwesterly Bulkhead line of Newtown creek to the point or place of beginning.

Third:—That the amended and supplemental abstract of said assessment for benefit, together with the benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, No. 166 Montague Street, in the Borough of Brooklyn, in said City, there to remain until the 27th day of October, 1914.

Fourth:—That, provided there be no objections filed to said abstract, the reports as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in the City of New York, on the 3rd day of December, 1914, at the opening of the Court on that day.

Fifth:—In case, however, objections are filed to the foregoing abstract of assessment, the motion to confirm the reports 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, October 10, 1914.

JOHN C. FAUCETT, Commissioner of Assessment.

MELVILLE J. FRANCE, Clerk. o13,23

Application for Appointment of Commissioners.

SECOND JUDICIAL DISTRICT.

Notice of application for the appointment of Commissioners of Appraisal.

Motion to be made in Second Judicial District, in Kings County.

Property to be Acquired Located in the County of Richmond.

City Aqueduct Department (Addition to Section No. 1), Catskill Aqueduct.

PUBLIC NOTICE IS HEREBY GIVEN THAT it is the intention of the Corporation Counsel of The City of New York, pursuant to the provisions of Chapter 724 of the Laws of 1905, and the several statutes amendatory thereof and supplemental thereto to make application to the Supreme Court of the State of New York at a Special Term for the hearing of Contested Motions thereof, to be held at the County Court House, Borough of Brooklyn, City of New York, in the Second Judicial District, on the 26th day of October, 1914, at the opening of Court on that day or as soon thereafter as counsel can be heard thereon, for the appointment of three Commissioners of Appraisal to ascertain and appraise the compensation to be made to the owners and all persons interested in certain real estate laid down, as proposed to be taken or affected for the purposes indicated in said Chapter 724 of the Laws of 1905, as amended, upon a certain map entitled:

"Board of Water Supply of the City of New York. Map of Parcels 158A, 158B, 159A, 159B and 159C, situated in the City of New York, Richmond County;"

—which said map was approved by the Board of Water Supply of The City of New York on June 6, 1914, and adopted by the Board of Estimate and Apportionment of The City of New York on June 26, 1914, and a duplicate original of which said map adopted and approved as aforesaid was filed on August 26th, 1914, in the office of the Clerk of the County of Richmond.

The City of New York by this proceeding seeks to acquire a perpetual easement in certain real property hereinafter described, and which is shown on the aforesaid map, and also a temporary right or easement in certain other real property hereinafter described, and which is shown on the aforesaid map for the purpose of constructing, maintaining and operating an underground pipe line, including a right to maintain seven feet of filling over the top of the said pipe line.

The following is a description of the several parcels of property shown upon the map made, approved, adopted and filed as hereinbefore set forth, in which a perpetual underground easement and temporary easement is to be acquired by The City of New York in this proceeding, together with a statement after the descriptions of such parcels, of said easements, and of the location and purpose for which said perpetual underground and temporary easement is to be acquired:

All those certain lots, pieces or parcels of land, and land under water, situated at the foot of Arrietta Street, in the Borough of Richmond, County of Richmond and State of New York, bounded and described as follows:

Parcel No. 158A.

All that certain piece or parcel of real estate situated in the Borough of Richmond, City of New York, County of Richmond and State of New York, designated on the map hereinbefore referred to as Parcel Number 158A, which said parcel is described as follows:

Beginning at the northeast corner of Parcel No. 159A, a point in the pierhead line established by the Secretary of War on June 21, 1889; thence easterly on the line which is the continuation of the northerly line of said parcel No. 159A 200 feet more or less to a point in the pierhead line established by the Secretary of War in September 1913; thence southerly along said pierhead line 25 feet; thence westerly on a line parallel to the first described course, 200 feet more or less to the southeast corner of parcel No. 159A; thence northerly along the easterly line of said parcel 25 feet to the point or place of beginning.

There is to be acquired in this parcel by the City of New York a perpetual easement to construct, operate and maintain a pipe line (the top of which is to be not less than 47 feet below mean sea level at Sandy Hook), including the right to maintain 7 feet of filling over the top of the pipe line so that the top of said filling will be not less than 40 feet below mean sea level at Sandy Hook and so that the owners or persons interested in the water over said easement shall be able to maintain an available waterway 40 feet in depth. Said pipe line is further described and is to be constructed substantially as shown in the contract for the construction thereof, dated March 16, 1914, between the Board of Water Supply and Merritt & Chapman Derrick & Wrecking Co., on file with the Board of Water Supply and to which reference is hereby made.

Parcel No. 158B.

All that certain piece or parcel of real estate situated in the Borough of Richmond, City of New York, County of Richmond and State of New York, designated on the map hereinbefore referred to as Parcel Number 158B, which said parcel is described as follows:

Beginning at the southeast corner of parcel No. 159A, a point in the pierhead line established by the Secretary of War on June 21, 1889; thence in an easterly direction along the southerly line of parcel No. 158A 200 feet more or less to the pierhead line established by the Secretary of War in September, 1913; thence southerly along said pierhead line 50 feet; thence westerly, parallel to the first described course, 200 feet more or less to the southeast corner of parcel No. 159C; thence northerly along the easterly line of said parcel and the easterly line of Parcel No. 159B 50 feet to the point or place of beginning.

There is to be acquired in this parcel by the City of New York a temporary easement to occupy the water above the same for floating necessary scows and other equipment to be used in connection with the laying of the pipe referred to in description of parcel No. 158A, including the right to do dredging and other acts necessary for the construction of said pipe line. This temporary easement is to continue in force from the date of the filing of the oaths of commissioners of appraisal until September 1, 1916.

Parcel No. 159A.

All that certain piece or parcel of real estate situated in the Borough of Richmond, City of New York, County of Richmond and State of New York, designated on the map hereinbefore referred to as Parcel Number 159A, which said parcel is described as follows:

Beginning at a point in the easterly terminus of Arrietta street, said point being 50 feet south of the north line of Arrietta street, and running thence in an easterly direction 170.5 feet to a point distant southerly 56 feet from the north line of Arrietta street produced; thence still in an easterly direction on a line parallel to and 20 feet south of the north line of the property of the Staten Island Railway Company 725 feet more or less to a point in the pierhead line established by the Secretary of War on June 21, 1889; thence southerly along said pierhead line 25 feet; thence westerly and parallel to the northerly property line of the Staten Island Railway Company 725 feet; thence westerly, parallel to the first course and 25 feet southerly therefrom, 170.5 feet more or less to the easterly terminus of Arrietta street; thence northerly along said Arrietta street 25 feet to the point or place of beginning.

There is to be acquired in this parcel by the City of New York a perpetual easement to construct, operate and maintain a pipe line (the top of which is to be not less than 47 feet below mean sea level at Sandy Hook, between a point 150 feet inside of the bulkhead line and the lawfully established pierhead line), including the right to maintain 7 feet of filling over the top of the pipe line so that the top of said filling will be not less than 40 feet below mean sea level at Sandy Hook and so that the owners or persons interested in the water over said easement shall be able to maintain an available waterway 40 feet in depth. Said easement, however, is not to exclude in any manner any right which the owners or persons interested in said parcel may have to fill in the land under water inside of or west of the lawfully established bulkhead line. Said pipe line is further described and is to be constructed substantially as shown in the contract for the construction thereof, dated March 16, 1914, between the Board of Water Supply and Merritt & Chapman Derrick & Wrecking Co. on file with the Board of Water Supply and to which reference is hereby made.

Parcel No. 159B.

All that certain piece or parcel of real estate situated in the Borough of Richmond, City of New York, County of Richmond and State of New York, designated on the map hereinbefore referred to as Parcel Number 159B, which said parcel is described as follows:

Beginning at the southwest corner of parcel No. 159A and running thence along the southerly line of said parcel east 170.5 feet; thence continuing along the southerly line 725 feet more or less to the pierhead line as established by the Secretary of War on June 21, 1889; thence along said pierhead line south 5 feet more or less to the northerly line of the property of the New York Dock & Terminal Company; thence westerly along said line 895 feet more or less to a point on line with the easterly terminus of Arrietta Street; thence north to and along the easterly terminus of Arrietta street 11 feet to the point or place of beginning.

There is to be acquired in this parcel by the City of New York a temporary easement to occupy the water above the same for floating necessary scows and other equipment to be used in connection with the laying of the pipe referred to in description of parcel No. 159A, including the right to remove miscellaneous unused piles and to do dredging and other acts necessary for the construction of said pipe line. This temporary easement is to continue in force from the date of the filing of the oaths of commissioners of appraisal until September 1, 1916.

Parcel No. 159C.

All that certain piece or parcel of real estate situated in the Borough of Richmond, City of New York, County of Richmond and State of New York, designated on the map hereinbefore referred to as Parcel Number 159C, which said parcel is described as follows:

Beginning at the southwest corner of parcel No. 159B and running thence along the southerly bounds of said parcel 895 feet, more or less, to the pierhead line as established by the Secretary of War on June 21, 1889; thence southerly along said pierhead line 45 feet; thence westerly, parallel to and 45 feet from the southerly line of parcel No. 159B 725 feet; thence continuing westerly 170.5 feet to a point 39 feet southerly from the southwest corner of parcel No. 159B; thence northerly 39 feet to the point or place of beginning.

There is to be acquired in this parcel by the City of New York a temporary easement to occupy the water above the same for floating necesary scows and other equipment to be used in connection with the laying of the pipe referred to in description of parcel No. 159A, including the right to remove miscellaneous unused piles and to do dredging and other acts necesary for the construction of said pipe line. This temporary easement is to continue in force from the date of the filing of the oaths of commissioners of appraisal until September 1, 1916.

Reference is hereby made to the map hereinbefore described as to Parcels Nos. 158A, 158B, 159A, 159B and 159C shown thereon for a more detailed description of the real estate to be taken or affected as above described.

A statement of the boundaries of the pipe line for the purpose of constructing, maintaining and operating which the above properties and easements are to be acquired by The City of New York in this proceeding, together with a description of the route of said pipe line by courses and distances and of the greatest and least width of the tract of said pipe line is as follows:

Parcel having greatest width, 25 feet, Parcel 159A, and parcel having least width, No. 159B, namely, 25 feet.

Pipe Line.

Beginning at a point under Ridge Boulevard, in the Borough of Brooklyn; running thence under said boulevard in a southwesterly direction to 79th Street; thence under said street in a northwesterly direction to the Narrows, New York Harbor; thence continuing in a northwesterly direction under said Narrows to the established pierhead line in the Borough of Richmond; thence in a southwesterly direction to the foot of Arrietta Street, in the Borough of Richmond; thence continuing in a southwesterly direction under said street to Tompkins Avenue.

Dated, New York, September 11th, 1914.

FRANK L. POLK, Corporation Counsel, Office and Post Office Address, Hall of Records, Borough of Manhattan, New York City. s11,o24

NOTICE TO BIDDERS AT SALES OF OLD BUILDINGS, ETC.

TERMS AND CONDITIONS UNDER WHICH BUILDINGS, ETC., WILL BE SOLD FOR REMOVAL FROM CITY PROPERTY.

THE BUILDINGS AND APPURTENANCES thereto will be sold to the highest bidder, who must pay cash or certified check, drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the 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, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beamholes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs and adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the Contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

PROPOSALS FOR BIDS AND ESTIMATES FOR THE CITY OF NEW YORK.

NOTICE TO CONTRACTORS.

GENERAL INSTRUCTIONS TO BIDDERS.

The person or persons making a bid or estimate for any services, work, materials or supplies for The City of New York, or for any of its departments, bureaus or offices, shall furnish the same in a sealed envelope, indorsed with the title of the supplies, materials, work or services for which the bid or estimate is made, with his or their name or names and the date of presentation to the President or Board or to the head of the Department at his or its office, on or before the date and hour named in the advertisement for the same, at which time and place the estimates received will be publicly opened by the President or Board or head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each bid or estimate shall contain the name and place of residence of the person making the same, and names of all persons interested with him therein, and, if no other person be so interested, it shall distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of The City of New York is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise in or in the performance of the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated herein are in all respects true.

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 to the City.

The contract must be bid for separately.

The right is reserved in each case to reject all bids or estimates if it is deemed to be for the interest of the City so to do.

Bidders will write out the amount of their bids or estimates in addition to inserting the same in figures.

Bidders are requested to make their bids or estimates upon the blank forms prepared and furnished by the City, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department for which the work is to be done. Plans and drawings of construction work may also be seen there.