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THE CITY RECORD.

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Board of Examiners.

July 30th, 1914.

Meeting called to order at 2 p. m.

Present: Messrs. Charles Buek, Lewis Harding, William Crawford, John Kenlon and George A. Just, Chairman.

On motion, Messrs. Just and Kenlon excused.

On motion, Mr. Buek was designated as Acting Chairman, whereupon the meeting proceeded, Mr. Buek in the Chair.

On motion, minutes approved as read.

Appeal 118 of 1914, Alteration 3278 of 1914, premises 40 Morrell Street, Brooklyn, Lew Koen, appellant.

Appearances: Messrs. Lew Koen and Barney Zinuk. On motion, laid over, the appellant being instructed to file certified copy of easement agreement affecting exit through adjoining property.

Appeal 119, New Building 252 of 1914, premises southeast corner 54th Street and Park Avenue, Manhattan, Schwartz & Gross, appellants.

Appearances: Messrs. S. I. Schwartz, Neugass & Weil. On motion, approved on condition that there shall be no pent house erected on the roof of the structure.

Appeal 120 of 1914, New Building 248 of 1914, premises 1066-1067 Fifth Avenue, Manhattan, C. H. P. Gilbert, Appellant.

Appearance: Mr. L. D. S. Robinson. On motion, approved on condition that there shall be no pent house erected on the roof of the structure.

Appeal 121 of 1914, New Building 264 of 1914, premises 308-312 West 30th Street, Manhattan, Jackson, Rosencrans & Waterbury, appellants.

Appearance: Mr. H. S. Waterbury. On motion, laid over for further consideration.

Adjourned.

MINNA M. D. CLARK, Acting Clerk.

August 4, 1914.

Meeting called to order at 2 p. m.

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

On motion, minutes of last meeting approved as read.

On motion, Mr. William Crawford excused.

The Chairman announced a calendar of twelve appeals, whereupon, on motion, the Board voted to consider nine appeals at this motion. And further that a meeting be held on Thursday, August 6, 1914, at 2 p. m., to clear the calendar.

The Chairman announced this ruling to the waiting appellants, with verbal notice of further attendance at postponed hearings.

Appeal 118 of 1914, Alteration 3278 of 1914, premises 40 Morrell Street, Brooklyn, Lew Koen, appellant.

Appearance: Lew Koen. On motion, disapproved.

Appeal 121 of 1914, New Building 264 of 1914, premises 308-310-312 West 30th St., Manhattan, Jackson, Rosencrans & Waterbury, appellants.

Appearance: H. S. Waterbury. On motion, approved on condition that the height of the roof garden be reduced to fourteen ft. six in. (14' 6"); and that the window frames and sash of the roof enclosure be made fireproof.

Appeal 122 of 1914, Alteration 2564 of 1914, premises 348 West 12th Street, Manhattan, A. L. Beineix, appellant.

Appearance: A. L. Beineix. On motion, approved on condition that all windows between the court and the dwelling be fireproof frame, sash and wireglass, and that the first-story ceiling shall be fireproofed with metal lath and plaster.

Appeal 123 of 1914, New Building 246 of 1914, premises 79-87 Madison Ave. and 23-27 East 28th St. and 28 East 29th St., Manhattan, Warren & Wetmore, appellants.

Appearances: Julian Holland and P. B. Tallman. On motion, approved.

Appeal 124 of 1914, New Building 5150 of 1914, premises 14 Grafton Street, Brooklyn, Edward M. Adelsohn, appellant. Appearances: E. M. Adelsohn and P. Glukman. On motion, approved on condition that the steel girders supporting the wood floor beams be fireproofed in accordance with the regulations of the Bureau of Buildings.

Appeal 125 of 1914, Alteration 2776 of 1914, premises 39 Canal Street and 3 Ludlow Street, Manhattan, Makstein & Erler, appellants.

Appearance: H. J. Krapp. On motion, approved on condition that all windows in the gable wall on lot line be made fireproof and glazed with wireglass; and that the two stair halls in the second story be entirely separated from each other by a fireproof enclosure.

Appeal 126 of 1914, New Building 5107 of 1914, premises north side of Park Place, 100 ft. east of Howard Avenue, Brooklyn, Benj. Cohn, appellant.

Appearances: Benj. Cohn and Abraham Kaplan. On motion, approved on condition that the steel girders supporting the wooden floor beams be fireproofed in accordance with the regulations of the Bureau of Buildings.

Appeal 127 of 1914, New Building 5108 of 1914, premises east side of Howard Avenue, 35' 7" north of Park Place, Brooklyn, Benj. Cohn, appellant.

Appearances: Benj. Cohn and Abraham Kaplan. On motion, approved on condition that the steel girders supporting the wooden floor beams be fireproofed in accordance with the regulations of the Bureau of Buildings.

Appeal 128 of 1914, New Building 5109 of 1914, premises northeast corner of Howard Avenue and Park Place, Brooklyn, Benj. Cohn, appellant.

Appearances: Benj. Cohn and Abraham Kaplan. On motion, approved on condition that the steel girders supporting the wooden floor beams be fireproofed in accordance with the regulations of the Bureau of Buildings.

On motion, adjourned to meet Thursday, August 6, 1914, at 2 p. m.

EDW. V. BARTON, Clerk.

Police Department.

Report for the week ending August 1, 1914:

JULY 27.

The following deaths were reported: Patrolmen—James Dymann, 66th Precinct, at 4 a. m., July 25, 1914; Paul J. Pfeffer, 150th Precinct, at 10.40 p. m., July 25, 1914.

JULY 28.

Approved—Recommendation of Lieuten William H. Van Keuren, Boiler Squad, that steam engineer's certificate of Reinold J. Noline, revoked December 26, 1913, be restored to him.

Runner License Granted — Charles Kahn, 1439 Madison ave., Manhattan, from July 27, 1914, to July 26, 1915; fee $20; bond $300.

Granted — Application of Patrolman Henry G. Ford, 37th Precinct, for permission to accept reward of $50, less the usual deduction for the Police Pension Fund, for the arrest of a deserter from the U. S. Army.

The following resignation was accepted: Patrolman—Martin S. Shields, 13th precinct, to take effect 12 p. m., July 27, 1914.

JULY 29.

Approved — Recommendation of the Chief Clerk that $8 received by him as subpoena fees be turned over to the Police Pension Fund.

Advancement to Grade: To $1,250 Grade—July 27, 1914. Patrolmen—William E. O'Connor, 1; Louis F. Tagliani, 1; George Sullivan, 2; Joseph Brown, 5; Joseph A. Williamson, 5; William C. Doyle, 13; William H. Douglass, 13; Frederick Wendel, 13; Patrick Tubridy, 17; Edward Lehane, 18; John E. Curristine, 18; John J. Lynch, 21; Michael P. McGarry, 21; Joseph W. Ward, 21; Patrick J. McGerald, 22; John Connelly, 31; James E. Smith, 35; George Martin, 35; Thomas F. J. Cavanagh, 37; Thomas L. Hoctor, 38; Frank May, 39; Patrick D. Keneally, 39; Bernard J. Kane, 39; Christopher W. Morgan, 42; Thomas F. Cleary, 43; John Hartman, 43; John Green, 61; Charles Bonaventuro, 68; Peter J. Hughes, 145; Joseph F. Wixted, 145; Emil C. Stiehr, 146; Samuel G. Patterson, 160; John R. Shaw, 276; John C. Casper, 5th Dist.; William T. Burke, 8th Dist.; John M. Kelly, Traffic C; Arthur C. Johnson, C. O.; Elmer S. Wilson, Marine Div.; Christian P. Klei, B. H. S.

JULY 30.

Granted — Permission for Patrolman John M. Weisenreider, No. 2331, 21st precinct, to receive reward of $50, less usual deduction, from the New York Telephone Company; Permission for Patrolman Thomas F. Lillis, No. 8561, B. B. H. Squad, to receive reward of $50, less usual deduction, for arrest of a deserter from the U. S. Navy.

The following members of the Force were relieved and dismissed from the Police Force and Service and placed on the roll of the Police Pension Fund and were awarded the following pensions, to take effect 12 p. m., July 29, 1914, on Police Surgeons' Certificate: Sergeants—Daniel J. Fogarty, 29th precinct, at $822 per annum. Appointed October 12, 1895; Nicholas Pound, 40th precinct, at $762.60 per annum. Appointed February 11, 1897.

Advancements to Grades, Patrolmen.

To $1,400 Grade, July 31, 1914—John J. Foley, 22; James A. Maloney, 31; Thomas J. Danaher, 145; Peter Kunzweiler, 159; James J. Blake, 278; Joseph F. Grady, D. B.; Paul A. Szermer, D. B.

To $1,400 Grade—William McCarthy, 80, August 10, 1914.

To $1,350 Grade, August 1, 1914—John M. Hanlon, 4; Rudolph H. Voelker, 5; John J. Schine, 6; John M. Coffey, 10; Michael J. Malone, 12; William A. Smith, 17; John A. Kilduff, 18; Edward M. Butler, 35; Maurice P. Dillon, 37; William M. J. Flynn, 42; Edward S. Steers, 151; Joseph J. McDonald, 169; George Heck, 285; George Grosberger, 290; Harry J. Luse, B. H. S.; John A. McMahon, Traffic C.

To $1,350 Grade—John E. Magner, Traffic C, August 2, 1914; Frederick C. Hoffman, 62, August 10, 1914.

To $1,250 Grade—Frederick W. Schall, 31, July 28, 1914; John J. McIntyre, 25, July 26, 1914; James J. Coy, 40, July 26, 1914; Walter T. Mencke, 65, July 26, 1914; Richard T. Fennelly, D. B., July 26, 1914.

To $1,150 Grade—Matthew J. Matthews, 61, August 15, 1914.

The following members of the Force having been tried on charges before a Deputy Commissioner, and found guilty, were dismissed from the Police Force of the Police Department of the City of New York, to take effect 1 p. m., July 29, 1914: Patrolmen—Hugh A. Quinn, 32d precinct, charge, July 4, 1914, conduct unbecoming an officer; intoxication. Edward F. Smith, 172d precinct, charge, May 11, 1914, violation of rules and regulations; absent from residence without permission while on sick report.

JULY 31.

On reading and filing copy of order of the City Court, dated July 21, 1914, the name of Patrolman Joseph Zatrepalek was changed to Patrolman Joseph Z. Trepal.

Lieutenant James A. Brady was hereby promoted to the rank of Captain of Police, his name appearing on eligible list dated July 31, 1914.

Denied—Petition of S. Fahey, 78 Kingsland ave., Corona, L. I., in behalf of Mrs. Downing, mother of a deceased Patrolman, for assistance from Relief Fund. Petition of Mrs. T. Malone, 348 Pierce ave., L. I. City, for a continuation of assistance for one year from the Relief Fund.

Advancements to Grades, Patrolmen.

To $1,400 Grade, July 29, 1914—Thomas H. Kennelly, 4; Jacob Kolsin, 7; John Flemming, 7; Thomas F. Diskin, 14; John J. Bradt, 14; Carl O. Ahlgren, 14; Abram La Tourette, 14; Estel Beekman, 15; Michael Gavigan, 18; George Derleth, 18; Henry M. Starr, 22; Patrick J. McGowan, 31; Gus Levy, 31; Frederick C. Wendell, 40; Herman H. Geideman, 40; John A. Cronin, 42; Herbert H. Hollweg, 63; Louis Gandert, 63; Eugene R. Dunn, 81; Joseph C. Perez, 89; James J. Donohue, 144; Frank W. Young, 148; Oscar Hasse, 150; Patrick P. McCarthy, 152; Ernest T. Enck, 154; Daniel F. Stack, 155; Frank B. Ahlborn, 162; Arthur Wagner, 164; Charles S. McGowan, 172; William F. Keegan, 278; Frederick C. Kruse, C. O.; Opley Wingfield, Traffic C.

To $1,150 Grade, July 27, 1914—Joseph Patterson, 12; John J. L. DeWitt, 14; James E. Commerford, 14; Peter P. Owens, 16; Henry Schnier, 16; Eberhard Schaefer, 17; Ludwig J. Weppler, 17; Louis Odell, 18; Fred Russell, 18; Edward J. McGuire, 18; John C. Logan, 21; Michael Sherry, 22; James J. Hamilton, 22; Henry E. Freeman, 22; Henry H. Jacobson, 23; Frederick W. Kaiser, 23; Joseph A. Murtha, 35; Joseph A. McLoughlin, 40; Emery Jones, 40; Henry P. Ludwig, 63; Charles F. Walsh, 146; John E. Driscoll, 143; James H. Noziglis 152; Herbert C. Slott, 150; Joseph A. Foran, 156; Christopher Grote, 154; William A. Ludwig, 164; Joseph H. Boyle, 167; William M. Conway, 167; Arthur Scholz, 274; Jacob M. Simmon, 283; James A. Knapp, 292; Joseph Shaffer, 3d Dist.

The following resignations were accepted: Patrolmen — Otto Huth and Thomas F. Murphy, 28th precinct, to take effect 12 p. m., July 30, 1914; Martin J. Gleason, 26th precinct, to take effect 12 p. m., July 31, 1914.

AUGUST 1.

Granted—Petition for pension of Elizabeth Barnes, widow of Leverett Barnes, pensioner; date of marriage November 2, 1876. Amount awarded $300 per annum.

Runner License Granted—James F. Cowley, 734 Bushwick Ave., Brooklyn, from July 31, 1914, to July 30, 1915; fee, $20; bond, $300.

ARTHUR WOODS, Police Commissioner.

Borough of Manhattan.

Bureau of Buildings.

Registration Restored as Master Plumber—Barnett Silverman, 130 Essex street, Manhattan.

ALFRED LUDWIG, Superintendent.

BOARD OF ESTIMATE AND APPORTIONMENT.

Minutes of Meeting of Board of Estimate and Apportionment, Held in Room 16, City Hall, Friday, July 10, 1914.

The Board met in pursuance of an adjournment.

Present—John Purroy Mitchel, Mayor; William A. Prendergast, Comptroller; George McAneny, President, Board of Aldermen; Marcus M. Marks, President, Borough of Manhattan; Lewis H. Pounds, President, Borough of Brooklyn; E. W. Voorhies, Acting 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.

Consideration of Improvements Desired in Forest Avenue, Anthon Avenue, Buchman Avenue and Van Cortland Avenue, and Request for Appointment of Committee to Remedy Conditions (Cal. No. 1-A).

(On June 26, 1914 (Cal No. 96), and on July 2, 1914 (Cal. No. 148), this matter was laid over for one week.)

(On July 9, 1914 (Cal. No. 70), it was laid over until this meeting.)

The Secretary presented a communication from the Secretary of the Ridgewood Park Board of Trade, Borough of Queens, dated May 27, 1914, requesting immediate consideration of improvements desired in Forest avenue, Anthon avenue, Buchman avenue and Van Cortland avenue, and requesting the appointment of a committee to investigate conditions to the end that a remedy be applied.

On motion, the communication was ordered filed and the Secretary was directed to notify the petitioners of the action of the Board.

Consideration of Grading Improvements Affecting Mount Street and Manly Street, Between Thomson Avenue and Hunterspoint Avenue, Borough of Queens (Cal. No. 1-B).

(On June 12 and June 19, 1914, Local Board resolutions initiating proceedings for the above improvements were presented; on the latter date, they were laid over to be considered at the meeting of June 26, 1914.)

(On June 26, 1914 (Cal. No. 97), the matter was laid over until July 2, 1914 (Cal. No. 150); on July 2 the matter was laid over to July 9 (Cal. No. 71); on the latter date it was laid over until this meeting.)

The Secretary presented a communication from the Secretary of the Degnon Realty & Terminal Improvement Company, dated June 20, 1914, advising that they are desirous of the immediate carrying out of grading improvements affecting Mount street and Manly street, between Thomson avenue and Hunterspoint avenue, Borough of Queens.

On motion, the communication was placed on file and the Secretary was directed to notify the petitioners of the action of the Board.

Policy of the Board Respecting Street Opening Proceedings (Cal. No. 1-C).

(On May 15, 1914 (Cal. No. 62), this matter was laid over for two weeks, pending the receipt of a report from the Comptroller on the status of the Fund for Street and Park Openings, and on May 28, June 5 and 12, and on July 2 (Cal. No. 149), it was again laid over; until July 9, 1914 (Cal. No. 72); on the latter date to this meeting.)

The Secretary presented a report of the Chief Engineer of the Board, dated May 11, 1914, calling attention to the fact that on February 20, 1914, after public hearings in four street opening proceedings, these matters were referred back to the Chief Engineer without specific instructions, but with the understanding that these and other street opening proceedings should be withheld until the Board should adopt a definite policy with respect to them.

On motion, the matter was laid over until July 30, 1914, and the Chief Engineer of the Board was requested to prepare a list of urgent improvements for the Comptroller and the other members of the Board for consideration on that date.

Street Improvemtnt Fund—Establishing a Definite Policy Relative to Authorizing Improvements, the Cost of Which Would Be Charged Against the Street Improvement Fund (Cal. No. 1-D).

(On May 22 and 28, June 5 and 12, and July 2, 1914 (Cal. No. 151), this matter was laid over; on the latter date for one week.)

(On July 9, 1914 (Cal. No. 73), it was laid over until this meeting.)

The Secretary presented a report of the Chief Engineer of the Board, dated May 18, 1914, presenting for the information of the Board certain data which are believed to have an important bearing in the matter of establishing a definite policy relative to authorizing improvements the cost of which would be charged against the Street Improvement Fund, also a communication from the Commissioner of Public Works and Acting President of the Borough of Queens, dated May 29, 1914, transmitting resolutions adopted by the Local Board of the Newtown District, urging the Board of Estimate and Apportionment to grant the necessary authorizations for improvements in the Borough of Queens, which are now pending before the said Board.

The Comptroller offered the following resolution:

Whereas, It is obviously necessary to temporarily limit the authorization of public improvements, the cost of which is payable from the Street Improvement Fund, to a total amount which in any one year shall be less than the total amount of assessments which may be collected during that year; and

Whereas, It is essential that with such a limitation authorizations be limited to such improvements as will promote and conserve the healthfulness of all parts of the City and encourage the reasonable development and improvement of the different sections thereof; therefore, be it

Resolved, That the total value of final authorizations of such assessable improvements for the year 1914 and for any one succeeding year until this resolution shall have been rescinded or amended shall be one million dollars ($1,000,000) less than the aggregate of the assessments, including interest thereon, collected during the same year.

Which was adopted by the following vote:

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

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

The matter was also ordered on the Calendar for July 30, for further consideration.

Storm and Sanitary Sewers in Seaman Avenue, from West 215th Street to a Point 80 Feet Southerly Therefrom, Borough of Manhattan (Cal. No. 1-E).

(On June 12, 19, 26, July 7 and 9, 1914 (Cal. No. 74), this matter was laid over; on the latter date to this meeting.

Mr. A. B. A. Bradley appeared in favor of the improvement.

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement; and the following report of the Chief Engineer of the Board:

Report No. 13881. June 5th, 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 March 17th, 1914, initiating proceedings for constructing storm and sanitary sewers in Seaman avenue, from West 215th street to a point 80 feet southerly therefrom.

This resolution affects about one-half short block of Seaman avenue, title to which has been legally acquired. The street is graded, curbed and flagged, but the abutting property is entirely unimproved. A favorable report has been prepared upon a Local Board resolution providing for the construction of the continuing outlet sewer in Seaman avenue.

The work is estimated to cost about $900, and the assessed valuation of the property to be benefited is $30,300.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract, with the understanding that the construction will then be authorized if the outlet sewer has been provided for.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Manhattan offered the following:

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 17th day of March, 1914, and approved by the President of the Borough of Manhattan on the 18th day of March, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To construct storm and sanitary sewers in Seaman avenue, between 215th street and a point 80 feet south of 215th street";

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of Manhattan to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of Manhattan has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Storm and Sanitary Sewers in West 218th Street, from Seaman Avenue to Park Terrace West; in West 217th Street, from Park Terrace West to the Summit Easterly Therefrom; in West 215th Street, from Seaman Avenue to the Summit East of Park Terrace West; in Seaman Avenue, from West 218th Street to West 215th Street, and in Park Terrace West, from West 218th Street to a Point About 100 Feet South of West 215th Street, Together With a Storm Water Sewer in West 218th Street, from Park Terrace West to the Summit Easterly Therefrom, and a Temporary Outlet Sewer in West 218th Street, from the Harlem River Ship Canal to Seaman Avenue, Borough of Manhattan (Cal. No. 1-F).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 75), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13879. June 5th, 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 January 20th, 1914, initiating proceedings for constructing storm and sanitary sewers in the following streets: West 218th street, from Seaman avenue to Park terrace west; West 217th street, from Park terrace west to the summit easterly therefrom; West 215th street, from Seaman avenue to the summit east of Park terrace west; Seaman avenue, from West 218th street to West 215th street; Park terrace west, from West 218th street to a point about 100 feet south of West 215th street; for constructing a storm water sewer in West 218th street, from Park terrace west to the summit easterly therefrom, and a temporary outlet sewer in West 218th street, from Harlem River Ship Canal to Seaman avenue.

Title to each of these streets, with the exception of West 218th street, between Seaman avenue and the Harlem River Ship Canal, has been legally acquired.

An opening proceeding relating to West 218th street, from Seaman avenue to the bulkhead line of the Harlem River Ship Canal, together with a number of other streets, was instituted by the Board of Estimate and Apportionment on November 29th, 1911, and was amended in certain particulars on June 27th of the following year. The oaths of the Commissioners of Estimate and Assessment were filed on January 7th, 1914, and title to the land can be vested in the City at any time.

The resolution now presented affects lengths varying from one-half block or about 200 feet in the case of West 217th street, to three and one-half blocks or about 1,000 feet of West 218th street, aggregating about 2,800 feet. West 218th street is not in use west of Seaman avenue, but with this exception the streets are graded, curbed and flagged. The abutting property is almost entirely unimproved. The sewer will be given a temporary outlet into the Ship Canal, but provision will ultimately be made for diverting the sanitary flow.

The work is estimated to cost about $37,300, and the assessed valuation of the property to be benefited is $769,400.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Manhattan offered the following:

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 20th day of January, 1914, and approved by the President of the Borough of Manhattan on the 20th day of January, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To construct storm and sanitary sewers in 218th Street, between Seaman Avenue and Park Terrace West, and storm sewer in 218th Street, between Park Terrace West and the summit east; storm and sanitary sewers in 217th Street, between Park Terrace Wect and the summit east, in 215th Street between Seaman Avenue and the summit east of Park Terrace West, in Seaman Avenue, between 218th Street and 215th Street and in Park Terrace West between 218th Street and a point about 100 feet south of 215th Street, together with temporary outlet sewer in 218th Street, between the Harlem Ship Canal and Seaman Avenue";

—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 Comptroller, the President of the Board of Aldermen and the

Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Storm and Sanitary Sewers in West 215th Street, from Indian Road to Seaman Avenue, and Temporary Combined Sewer in Indian Road, from West 218th Street to West 215th Street, Borough of Manhattan (Cal. No. 1-G).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 76), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13880. June 5th, 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 February 17th, 1914, initiating proceedings for constructing storm and sanitary sewers in West 215th street, from Indian road to Seaman avenue, and a temporary combined sewer in Indian road, from West 218th street to West 215th street.

Title to West 215th street has been legally acquired.

An opening proceeding relating to Indian road, from Isham street to West 218th street, together with a number of other streets, was instituted by the Board of Estimate and Apportionment on November 29th, 1911, and amended on June 27th of the following year. The oaths of the Commissioners of Estimate and Assessment were filed on January 7th, 1914, and title to the land can be vested in the City at any time.

The resolution now presented affects one block or about 300 feet of West 215th street, and one block or about 400 feet of Indian road. The streets are not in use and the abutting property is entirely unimproved. A favorable report has been prepared upon a Local Board resolution providing for the continuing outlet sewer in West 218th street.

The work is estimated to cost about $3,500, and the assessed valuation of the property to be benefited is $34,600.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract, with the understanding that the construction will then be authorized if the outlet sewer has been provided for.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Manhattan offered the following:

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 17th day of February, 1914, and approved by the President of the Borough of Manhattan on the 18th day of February, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To construct storm and sanitary sewers in 215th Street, between Indian Road to Seaman Avenue, and temporary combined sewer in Indian Road, between 218th and 215th 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 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Sewers in 1st Avenue, from East 95th Street to East 106th Street; in East 96th Street, from Harlem River to 1st Avenue, and in East 102d Street, from Harlem River to 1st Avenue, Borough of Manhattan (Cal. No. 1-H).

(On July 2, 1914 (Cal. No. 256), this matter was laid over for one week; on July 9, 1914 (Cal. No. 77), it was laid over to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13938. June 26, 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 Harlem District, Borough of Manhattan, adopted on May 26, 1914, initiating proceedings for constructing sewers in the following streets: 1st avenue, from East 95th street to East 106th street; East 96th street, from Harlem River to 1st avenue; East 102d street, from Harlem River to 1st avenue. Title to these streets has been legally acquired.

The resolution affects lengths varying from one block, or about 600 feet of East 96th street, to ten blocks, or about 2,800 feet of 1st avenue, aggregating about 4,400 feet. The streets are paved and the abutting property in each case is almost fully built up. The outlet sewer in East 106th street is built.

The existing sewer in 1st avenue was built between 1875 and 1878, and was repaired about ten years later. It is at the present time in a dangerous condition of disrepair, and, in accordance with a modified drainage plan approved on November 14, 1912, it is now proposed to abandon the old sewer and to replace it by new sewers located within the sidewalk space on both sides of the street, thus avoiding interference with the pavement. The sewers in East 96th street and in East 102d street are additional outlets which will be needed under the new conditions.

The work is estimated to cost about $116,200, and the assessed valuation of the property to be benefited is $16,057,200.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract. Respectfully,

NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Manhattan offered the following:

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 Harlem District, duly adopted by said Board on the 26th day of May, 1914, and approved by the President of the Borough of Manhattan on the 27th day of May, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To construct sewers and appurtenances in First Avenue between 95th and 106th Streets and outlet sewers in 96th and 102d Streets, between the Harlem River and First Avenue."

—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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Alteration and Improvement to the Sewer in Park Avenue, Westerly Side, from East 119th Street to East 120th Street, Borough of Manhattan (Cal. No. 1-I).

(On July 2, 1914 (Cal. No. 257), this matter was laid over for one week; on July 9, 1914 (Cal. No. 78), it was laid over to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13940. June 26, 1914.

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

Sirs—Herewith is transmitted a resolution of the Local Board of the Harlem District, Borough of Manhattan, adopted on February 17, 1914, initiating proceedings for constructing an alteration and improvement to the sewer in the westerly side of Park avenue from East 119th street to East 120th street.

This resolution affects one short block of Park avenue, title to which has been legally acquired. The street is paved and the abutting property is fully built up. The outlet sewer is provided.

This sewer is intended to replace an old drain which is of inaedquate capacity for the present needs.

The work is estimated to cost about $5,200, and the assessed valuation of the property to be benefited is $1,160,500.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract. Respectfully,

NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Manhattan offered the following:

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 Harlem District, duly adopted by said Board on the 17th day of February, 1914, and approved by the President of the Borough of Manhattan on the 18th day of February, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To construct alteration and improvement to sewer on the west side of Park Avenue, between 119th and 120th 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 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Alteration and Improvement to the Sewer in East 111th Street, from a Point About 134 Feet East of 2d Avenue to the Summit West of 2d Avenue, Together With Relief Sewers on the Easterly and Westerly Sides of 2d Avenue at the Intersection With East 111th Street, Borough of Manhattan (Cal. No. 1-J).

On July 2, 1914 (Cal. No. 258), this matter was laid over for one week; on July 9, 1914 (Cal. No. 79) it was laid over to this meeting.

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13952. June 29th, 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 Harlem District, Borough of Manhattan, adopted on February 17th, 1914, initiating proceedings for constructing an alteration and improvement to the sewer in East 111th Street from a point about 134 feet east of 2nd Avenue to the summit west of 2nd Avenue, together with relief sewers on the easterly and westerly sides of 2nd Avenue at the intersection with East 111th Street.

This resolution affects a little over 800 feet of East 111th Street, title to which has been legally acquired. The street is paved and the abutting property is fully built up. The outlet sewer in 2nd Avenue is provided for.

The existing sewer in this portion of East 111th Street was constructed in 1870 and is inadequate for the present requirements. It is now proposed to introduce a summit in the block between 1st Avenue and 2nd Avenue, and to deflect the drainage from the property abutting on the street between the summit and 2nd Avenue into a sewer on the easterly side of the latter street. The sewer in the adjoining section of the street on the west will be replaced by a drain of larger capacity outletting into a sewer on the westerly side of 2nd Avenue.

The work is estimated to cost about $9,000, and the assessed valuation of the property to be benefited is $1,919,000.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Manhattan offered the following:

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 Harlem District, duly adopted by said Board on the 17th day of February, 1914, and approved by the President of the Borough of Manhattan, on the 18th day of February, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To construct alteration and improvement to sewer in 111th Street, from a point about 134 feet east of Second Avenue to the summit west of Second Avenue, including relief sewers on the east and west sides of Second Avenue at 111th Street."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of Manhattan to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done sub-

sequent 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Alteration and Improvement to the Sewer in East 93d Street, from Lexington Avenue to a Point About 60 Feet East of 3d Avenue, Borough of Manhattan (Cal. No. 1-K).

On July 2, 1914 (Cal. No. 259), this matter was laid over for one week; on July 9, 1914 (Cal. No. 80) it was laid over to this meeting.

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13939. June 26, 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 Harlem District, Borough of Manhattan, adopted on January 20, 1914, initiating proceedings for constructing an alteration and improvement to the sewer in East 93d street, from Lexington avenue to a point about 60 feet east of 3d avenue.

This resolution affects a little over one block or about 600 feet of East 93d street, title to which has been legally acquired. The street is paved and the abutting property is fully built up. The outlet sewer is provided.

The sewer is intended to replace an old existing drain which is in a condition of disrepair and of inadequate capacity for the present needs.

The work is estimated to cost about $5,700, and the assessed valuation of the property to be benefited is $2,101,500.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract. Respectfully,

NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Manhattan offered the following:

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 Harlem District, duly adopted by said Board on the 20th day of January, 1914, and approved by the President of the Borough of Manhattan, on the 20th day of January, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To construct alteration and improvement to sewer in 93rd Street, from a point about 60 feet east of Third Avenue to Lexington Avenue."

—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, 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 contingncies, 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Sewer in East 7th Street, from Avenue K to Avenue L, Borough of Brooklyn (Cal. No. 1-L).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 82), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13864. June 1, 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 February 18, 1914, initiating proceedings for constructing a sewer in East 7th street from Avenue K to Avenue L.

A proceeding for acquiring title to this street from Foster avenue to Canal Avenue North was instituted by the Board of Estimate and Apportionment on January 11, 1912. The oaths of the Commissioners of Estimate and Assessment were filed on December 23d of the following year, and title to the land can be vested in the City at any time.

The resolution now presented affects one block or about 800 feet of East 7th street. The street is in use and a number of buildings have been erected upon the abutting property. The outlet sewer is provided for.

The work is estimated to cost about $5,800, and the assessed valuation of the property to be benefited is $113,450.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

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 18th day of February, 1914, and approved by the President of the Borough of Brooklyn on the 9th 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 East 7th Street, from Avenue K to Avenue L";

—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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Sewer in 90th Street, from 2d Avenue to 3d Avenue, Borough of Brooklyn (Cal. No. 1-M).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 83), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13865. June 1, 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 December 4, 1911, initiating proceedings for constructing a sewer in 90th street from 2d avenue to 3d avenue.

An opening proceeding relating to this street between the limits named was instituted by the Board of Estimate and Apportionment on October 17, 1912, but up to the present time the Commissioners of Estimate and Assessment have not been appointed. It will not be necessary, however, to defer the consideration of the desired improvement for the reason that the Corporation Counsel advises that the street is dedicated to public use.

The resolution now presented affects one long block of 90th street. The roadway is approximately graded and the property abutting on the southerly side is partially improved. The outlet sewer is built.

The work is estimated to cost about $2,800, and the assessed valuation of the property to be benefited is $98,700.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

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 4th day of December, 1911, and approved by the President of the Borough of Brooklyn on the 9th day of May, 1914, 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 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Sewer in Lott Avenue, from East 98th Street to Douglas Street, Borough of Brooklyn (Cal. No. 1-N).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 84), this matter was laid over; on the latter date to this meeting).

On motion the matter was referred back to the Chief Engineer of the Board.

Sewer in 11th Avenue, from 70th Street to 72d Street, and in 70th Street, from 10th Avenue to 11th Avenue, Borough of Brooklyn (Cal. No. 1-O).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 85), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 12797. June 4, 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 12th, 1911, initiating proceedings for constructing sewers in the following streets:

Eleventh avenue from 70th street to 72d street; 70 street from 10th avenue to 11th avenue.

Title to 11th avenue has been legally acquired.

An opening proceeding relating to 70th street from 7th avenue to 11th avenue, together with a number of other streets, was instituted by the Board of Estimate and Apportionment on May 8, 1908. The oaths of the Commissioners of Estimate and Assessment were filed on April 12, 1912, and title to the land can be vested in the City at any time.

The resolution now presented affects two short blocks of 11th avenue and one long block of 70th street, aggregating about 1,300 feet. The streets are in use, but the abutting property is generally unimproved. The outlet sewers are built.

The work is estimated to cost about $4,200, and the assessed valuation of the property to be benefited is $116,660.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

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 12th day of July, 1911, and approved by the President of the Borough of Brooklyn on the 8th day of April, 1913, 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 72d street, and in 70th street, from 11th avenue to 10th avenue";

—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 reecives 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Regulating and Grading Clara Street, from 36th Street to West Street, Borough of Brooklyn (Cal. No. 1-P).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 86), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13861. June 1st, 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 August 30th, 1912, initiating proceedings for grading, curbing and flagging Clara street from 36th street to West street.

A proceeding for acquiring title to this street between the limits named was instituted by the Board of Estimate and Apportionment on February 6th, 1913. The oaths of the Commissioners of Estimate and Assessment were filed on January 26th of the current year and title to the land can be vested in the City at any time.

The resolution now presented affects two blocks or about 1,300 feet of Clara street. East of Chester avenue the street is not in use, but in the westerly block a narrow roadway falls within its lines and the abutting property is here slightly improved.

The work is estimated to cost about $4,100, and the assessed valuation of the land to be benefited is $57,550.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

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 30th day of August, 1912, and approved by the President of the Borough of Brooklyn on the 24th day of February, 1914, as follows, to wit:

"Resolved, That. the Local Board of the Flatbush District hereby initiates proceedings to regulate, grade, set cement curb and lay cement sidewalks on Clara street, from 36th street to West street";

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Regulating and Grading Foster Avenue, from Flatbush Avenue to Nostrand Avenue, Borough of Brooklyn (Cal. No. 1-Q).

(On June 12, 19 and 26, and July 2 and July 9, 1914 (Cal. No. 87), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement; and the following report of the Chief Engineer of the Board:

Report No. 13012. June 4, 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 August 5, 1913, initiating proceedings for grading, curbing and flagging Foster avenue from Flatbush avenue to Nostrand avenue.

This resolution is evidently intended to replace a similar resolution which provided only for grading the street, and which was referred back to the Borough President on June 26 last, it being deemed inadvisable to enter into a contract for a partial improvement of this character.

As previously reported, a proceeding for acquiring title to Foster avenue between the limits named was instituted by the Board of Estimate and Apportionment on November 2, 1911. The oaths of the Commissioners of Estimate and Assessment were filed on October 14, 1912, and title to the land can be vested in the City at any time.

The resolution affects six blocks or about 1,400 feet of Foster avenue. In the easterly block the street is approximately graded for its full width, but in the remaining portion of the distance a narrow roadway is in use. The abutting property is partially improved.

The work is estimated to cost about $3,900, and the assessed valuation of the land to be benefited is $394,100.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

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 5th day of August, 1913, and approved by the President of the Borough of Brooklyn on the 12th day of August, 1913, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to regulate, grade, set cement curb and lay cement sidewalks on Foster Avenue, from Flatbush Avenue to Nostrand Avenue."

—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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Regulating and Grading 78th Street, from 5th Avenue to 6th Avenue, Borough of Brooklyn (Cal. No. 1-R).

(On June 12, 19 and 26, and July 2 and July 9, 1914 (Cal. No. 88), this matter was laid over; on the latter date to this meeting.)

On motion, the matter was referred back to the Chief Engineer of the Board.

Regulating and Grading Roberge Place, from West 3d Street to West 5th Street, Borough of Brooklyn (Cal. No. 1-S).

(On June 12, 19 and 26, and July 2 and July 9, 1914 (Cal. No. 89), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improment and the following report of the Chief Engineer of the Board:

Report No. 13862. June 1, 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 February 18, 1914, initiating proceedings for grading, curbing and flagging Roberge place from West 3d street to West 5th street.

A proceeding for acquiring title to this street between the limits named, together with West 2d street, from Sheepshead Bay road to Seabreeze avenue, was instituted by the Board of Estimate and Apportionment on November 14, 1912. The oaths of the Commissioners of Estimate and Assessment were filed on January 26 of the current year, and title to the land can be vested in the City at any time.

The resolution now presented affects one block or about 300 feet of Roberge place. The street is not in use for a distance of about 100 feet adjoining West 5th street, and buildings here fall within its lines. In the remaining portion of the distance the roadway is approximately graded and the abutting property is largely improved.

The work is estimated to cost about $1,100, and the assessed valuation of the land to be benefited is $38,600.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

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 18th day of February, 1914, and approved by the President of the Borough of Brooklyn on the 18th day of April, 1914, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to regulate, grade, set cement curb and lay cement sidewalks on Roberge Place, from West 3rd Street to West 5th Street."

—and which resolution is accompanied with an aproximate 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Curbing and Paving 21st Avenue, from 60th Street to 64th Street, Borough of Brooklyn (Cal. No. 1-T).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 90), this matter was laid over; on the latter date to this meeting.)

On motion, the matter was referred back to the Chief Engineer of the Board.

Grading, Curbing, Flagging and Paving Avenue C, from Gravesend Avenue to West Street, Borough of Brooklyn (Cal. No. 1-U).

(On June 12, 19 and 26 and July 2 and July 9, 1914 (Cal. No. 91), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13868. June 1st, 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 February 18th, 1914, initiating proceedings for grading, curbing and flagging where necessary and paving with asphalt (permanent pavement) Avenue C, from Gravesend avenue to West street.

This resolution affects one short block of Avenue C, title to which has been legally acquired. An approximately graded roadway is in use, a portion of the curbing and flagging has been provided, and the abutting property is largely improved. All of the subsurface structures have been provided.

It appears that the grades heretofore established for the street are too flat to provide a proper surface drainage, but any further studies in this particular can properly be made in connection with the preliminary work.

The work is estimated to cost about $3,000, and the assessed valuation of the land to be benefited is $58,600.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract, with the understanding that the construction will then be authorized if any necessary grade changes have been effected.

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 18th day of February, 1914, and approved by the President of the Borough of Brooklyn on the 9th day of May, 1914, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to regulate, grade, set cement curb, lay cement sidewalks where necessary and to lay a permanent asphalt pavement on a 6-inch concrete foundation on Avenue C, from Gravesend Avenue to West Street."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Regulating, Grading and Paving 15th Avenue, from 40th Street to 42d Street, Borough of Brooklyn (Cal. No. 1-V).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 92), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13464. January 2nd, 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 2nd, 1913, initiating proceedings for grading, curbing, flagging and paving with asphalt (permanent pavement) 15th avenue from 40th street to 42d street.

This resolution affects two blocks or about 500 feet of 15th avenue, title to which has been legally acquired. An approximately graded roadway is in use, but the abutting property is entirely unimproved. With the exception of the gas main, all of the subsurface structures have been provided for.

The work is estimated to cost about $7,000, and the assessed valuation of the land to be benefited is $91,300.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract, with the understanding that the construction will then be authorized if the gas main 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 Flatbush District, duly adopted by said Board on the 2d day of July, 1913, and approved by the President of the Borough of Brooklyn on the 1st day of December, 1913, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to regulate, grade, set cement curb, lay cement sidewalks and lay a permanent asphalt pavement on a 6-inch concrete foundation on 15th Avenue, from 40th Street to 42d Street."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Paving Robinson Street, from Rogers Avenue to New York Avenue, Borough of Brooklyn (Cal. No. 1-W).

(On June 12, 19 and 26, and July 2 and 9 (Cal. No. 93), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13532. January 15, 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 August 27, 1913, initiating proceedings for paving with asphalt (preliminary pavement) Robinson street from Rogers avenue to New York avenue.

This resolution affects two blocks or about 1,500 feet of Robinson street, title to which has been legally acquired. The street is graded, curbed and flagged; the abutting property is partially improved; and with the exception of the water main and gas main in the easterly block, all of the subsurface structures have been provided.

The street is located within the territory served by the Flatbush Waterworks Company. The Board has heretofore authorized a number of improvements where similar conditions existed, with the understanding that the water main would be completed before the work of paving was begun. Information has been presented showing that such a procedure has not resulted in prolonged delay in carrying out the public improvement, and I can see no reason why a similar course should not be followed in the case now under consideration.

The work is estimated to cost about $11,000, and the assessed valuation of the land to be benefited is $214,600.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract, upon the completion of which the construction may properly be authorized if arrangements have been made for completing the gas main, and with the understanding that the work will not be begun until all of the water main has been provided.

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 27th day of August, 1913, and approved by the President of the Borough of Brooklyn on the 17th day of October, 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 Robinson Street, between Rogers and New York 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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Paving 50th Street, from 13th Avenue to 14th Avenue, Borough of Brooklyn (Cal. No. 1-X).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 94), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13858. June 1st, 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 October 24th, 1913, initiating proceedings for paving with asphalt (preliminary pavement) 50th street from 13th avenue to 14th avenue.

This resolution affects one block or about 700 feet of 50th street, which the Corporation Counsel has advised is dedicated to public use. The street is graded, curbed and flagged; the abutting property is largely improved, and all of the subsurface structures have been provided.

The work is estimated to cost about $5,300, and the assessed valuation of the land to be benefited is $85,650.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

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 24th day of October, 1913, and approved by the President of the Borough of Brooklyn on the 1st day of December, 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 50th Street, from 13th Avenue to 14th Avenue."

—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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Paving 70th Street, from 13th Avenue to 15th Avenue, Borough of Brooklyn (Cal. No. 1-Y).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 95), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13287. June 4, 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 2nd, 1913, initiating proceedings for paving with asphalt (preliminary pavement) 70th street from 13th avenue to 15th avenue.

This resolution affects two long blocks of 70th street, title to which has been established. The street is graded, curbed and flagged; the abutting property is largely improved; and all of the subsurface structures have been provided.

The work is estimated to cost about $10,700, and the assessed valuation of the land to be benefited is $149,250.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

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 2nd day of July, 1913, and approved by the President of the Borough of Brooklyn on the 7th day of October, 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 70th Street, from 13th Avenue to 15th Avenue."

—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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Paving 67th Street, from 14th Avenue to 15th Avenue, Borough of Brooklyn (Cal. No. 1-Z).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 96), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13863. June 4th, 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 2d, 1913, initiating proceedings for paving with asphalt (preliminary pavement) 67th street, from 14th avenue to 15th avenue.

This resolution affects one long block of 67th street, title to which has been legally acquired. The street is graded, curbed and flagged; the abutting property is partially improved, and with the exception of the water main all of the subsurface structures have been provided.

A small private water main has been installed in this street, but it is understood that this is inadequate in size, and the Department of Water Supply has recently entered into a contract for the construction of a larger main, which will also insure fire protection for the vicinity. Under these circumstances it would seem unnecessary to defer the consideration of the paving.

The work is estimated to cost about $5,400, and the assessed valuation of the land to be benefited is $63,750.

In my jugdment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract, upon the completion of which the construction may properly be authorized with the understanding that the work will not be begun until the water main has been reconstructed.

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 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 67th Street, from 14th Avenue to 15th Avenue."

—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 Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—13.

Sewer in Brooklyn Avenue, from Avenue D to Clarendon Road, Borough of Brooklyn (Cal. No. 1-AA).

(On July 2, 1914 (Cal. No. 260), this matter was laid over for one week; on July 9, 1914 (Cal. No. 97), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in 15th Avenue, from Bath Avenue to Benson Avenue, Borough of Brooklyn (Cal. No. 1-BB).

(On July 2, 1914 (Cal. No. 261), this matter was laid over for one week; on July 9, 1914 (Cal. No. 98), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Regulating and Grading 39th Street, from 14th Avenue to West Street, Borough of Brooklyn (Cal. No. 1-CC).

(On July 2, 1914 (Cal. No. 262), this matter was laid over for one week; on July 9, 1914 (Cal. No. 99), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Paving East 23d Street, from Avenue M to Avenue N, Borough of Brooklyn (Cal. No. 1-DD).

(On July 2, 1914 (Cal. No. 263), this matter was laid over for one week; on July 9, 1914 (Cal. No. 100), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Paving East 24th Street, from Avenue M to Avenue N, Borough of Brooklyn (Cal. No. 1-EE).

(On July 2, 1914 (Cal. No. 264), this matter was laid over for one week; on July 9, 1914 (Cal. No. 101), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Paving 45th Street, from 13th Avenue to 14th Avenue, Borough of Brooklyn (Cal. No. 1-FF).

(On July 2, 1914 (Cal. No. 265), this matter was laid over for one week; on July 9, 1914 (Cal. No. 102), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Paving East 15th Street, from Avenue O to Kings Highway, Borough of Brooklyn (Cal. No. 1-GG).

(On July 2, 1914 (Cal. No. 266), this matter was laid over for one week; on July 9, 1914 (Cal. No. 103), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Paving Dumont Avenue, from Howard Avenue to a Point 125 Feet East of Hopkinson Avenue, Borough of Brooklyn (Cal. No. 1-HH).

(On July 2, 1914 (Cal. No. 267), this matter was laid over for one week; on July 9, 1914 (Cal. No. 104), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Reconstructing Sewer in 3d Avenue, from East 138th Street to East 140th Street, Borough of The Bronx (Cal. No. 1-II).

(On May 28, June 12 and 26, and July 2 and July 9, 1914 (Cal. No. 105), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board, initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13788. May 13, 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 Morrisania District, Borough of The Bronx, adopted on January 20, 1914, initiating proceedings for reconstructing the sewer in 3d avenue, from East 138th street to East 140th street.

This resolution affects two blocks or about 700 feet of 3d avenue, title to which has been legally acquired. The street is paved and the abutting property is largely built up. The improvement is made necessary because of the inadequate capacity of the existing sewer. The continuing outlet is provided for.

The work is estimated to cost about $13,100, and the assessed valuation of the property to be benefited is $2,273,000.

In my judgment, the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of The Bronx offered the following:

Whereas, the President of the Borough of The Bronx has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Morrisania District, duly adopted by said Board on the 20th day of January, 1914, and approved by the President of the Borough of The Bronx on the 22d day of January, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For rebuilding sewer and appurtenances in 3d avenue, between East 138th street and East 140th street, and all work incidental thereto, in the Borough of The Bronx, City of New York";

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of The Bronx to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of The Bronx has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

Affirmative—The Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, Queens and Richmond—13.

Sewer in Davidson Avenue, from Evelyn Place to the Existing Sewer South of West 184th Street, and from Fordham Road to the Existing Sewer North of West 184th Street, Borough of The Bronx (Cal. No. 1-JJ).

(On June 12, 19 and 26, and July 2 and July 9, 1914 (Cal. No. 106), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13487. January 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 Van Courtlandt District, Borough of The Bronx, adopted on December 1, 1913, initiating proceedings for constructing a sewer in Davidson avenue from Evelyn place to the existing sewer south of West 184th street, and from Fordham road to the existing sewer north of West 184th street.

This resolution affects a little over two blocks or about 600 feet of Davidson avenue, title to which has been legally acquired. An approximately graded roadway is in use and the abutting property is partially improved. The outlet sewers are built.

The work is estimated to cost about $6,200, and the assessed valuation of the property to be benefited is $293,000.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of The Bronx offered the following:

Whereas, The President of the Borough of The Bronx has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Van Courtlandt District, duly adopted by said Board on the 1st day of December, 1913, and approved by the President of the Borough of The Bronx on the 4th day of December, 1913, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For constructing sewers and appurtenances in Davidson Avenue, from the existing sewer south of West 184th Street to Evelyn Place; and from the existing sewer north of West 184th Street to Fordham Road, and all work incidental thereto, in the Borough of The Bronx, City of New York."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of The Bronx to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of The Bronx has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Sewers in Westchester Avenue, Northerly Side, from Metcalf Avenue to Taylor Avenue, Southerly Side, from Metcalf Avenue to St. Lawrence Avenue, and Both Sides, from Taylor Avenue to Theriot Avenue, and in Beach Avenue, from Westchester Avenue to Randolph Avenue, Borough of The Bronx (Cal. No. 1-KK).

(On June 12, 19 and 26, and July 2 and July 9, 1914 (Cal. No. 107) this matter was laid over; on the latter date to this meeting.)

A communication from the East Bronx Property Owners' Association protesting against the improvement, as proposed, was presented.

On motion, the matter was laid over until July 30, 1914, and the Chief Engineer

of the Board was requested to consult with the Commissioner of Health as to the necessity for this sewer.

Regulating and Grading Adams Street, from Morris Park Avenue to the New York, New Haven and Hartford Railroad, Borough of The Bronx (Cal. No 1-LL).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 108), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13878. June 5th, 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 Chester District, Borough of The Bronx, adopted on June 9th, 1913, initiating proceedings for grading, curbing and flagging Adams street, from Morris Park avenue to the New York, New Haven and Hartford Railroad.

A proceeding for acquiring title to this street between the limits named, together with Melville street and Van Buren street, was instituted by the Board of Estimate and Apportionment on May 21st, 1909, and was amended on June 13th and October 17th, 1912. The oaths of the Commissioners of Estimate and Assessment were filed on December 11th, 1913, and although the proceeding was made the subject of a resolution adopted on January 30th, 1914, which was intended to remove some question as to its scope, the area in which the Commissioners have been given jurisdiction was not changed and title to the land can be vested in the City at any time.

The resolution now presented affects two blocks or about 1,000 feet of Adams street. The street is in use through the greater portion of the distance, and a number of buildings have been erected upon the abutting property.

The work is estimated to cost about $31,300, and the assessed valuation of the property to be benefited is $235,270.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of The Bronx offered the following:

Whereas, The President of the Borough of The Bronx has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 9th day of June, 1913, and approved by the President of the Borough of The Bronx on the 10th day of June, 1913, 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 Adams Street, from Morris Park Avenue to New York, New Haven and Hartford Railroad, together with all work incidental thereto, in the Borough of The Bronx, City of New York."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of The Bronx to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of The Bronx has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Paving and Adjusting the Curbing in Castlehill Avenue, from Westchester Avenue to Turnbull Avenue, Borough of The Bronx (Cal. No. 1-MM).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 109), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13846. May 28, 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 Chester District, Borough of The Bronx, adopted on May 19, 1914, initiating proceedings for paving with bituminous concrete (preliminary pavement) and adjusting the curbing where necessary, Castlehill avenue from Westchester avenue to Turnbull avenue.

This resolution is intended to replace one relating to a similar improvement affecting this street from Westchester avenue to Lafayette avenue, which was referred back to the Local Board on May 1, 1914, with the suggestion that it be amended by excluding at least all of the block between Turnbull avenue and Lafayette avenue for the reason that no provision had heretofore been made for here constructing the sewer.

Title to Castlehill avenue has been legally acquired, and between the limits affected by the resolution now under consideration the street has a length of fifteen blocks or about 3,800 feet. The street is graded, curbed and flagged; the abutting property is partially improved; and all of the subsurface structures have been provided.

The work is estimated to cost about $51,000, and the assessed valuation of the property to be benefited is $1,631,200.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of The Bronx offered the following:

Whereas, The President of the Borough of The Bronx has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 19th day of May, 1914, and approved by the President of the Borough of The Bronx on the 21st day of May, 1914, 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 Castlehill Avenue, from Westchester Avenue to Turnbull Avenue, adjusting curb where necessary, together with all work incidental thereto."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of The Bronx to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of The Bronx has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Regulating and Grading Holland Avenue, from Gun Hill Road to East 215th Street, Borough of The Bronx (Cal. No. 1-NN).

(On July 2, 1914 (Cal. No. 268), this matter was laid over for one week; on July 9, 1914 (Cal. No. 110), it was laid over to this meeting.)

On motion, the matter was referred back to the Chief Engineer of the Board.

Regulating and Grading Crotona Place, from St. Pauls Place to East 171st Street, Borough of The Bronx (Cal. No. 1-00).

(On July 2, 1914 (Cal. No. 269), this matter was laid over for one week; on July 9, 1914 (Cal. No. 111), it was laid over to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13949. June 29th, 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 Crotona District, Borough of The Bronx, adopted on April 21st, 1914, initiating proceedings for grading, curbing and flagging Crotona Place from St. Pauls Place to East 171st Street.

This resolution affects one block or about 400 feet of Crotona Place, which the Corporation Counsel advises is dedicated to public use. The roadway is approximately graded and the abutting property is partially improved.

The work is estimated to cost about $5,100, and the assessed valuation of the property to be benefited is $200,200.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of The Bronx offered the following:

Whereas, The President of the Borough of The Bronx has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Crotona District, duly adopted by said Board on the 21st day of April, 1914, and approved by the President of the Borough of The Bronx on the 30th day of April, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For regulating, grading, setting curb stones, flagging the sidewalks, laying crosswalks, building approaches and erecting fences where necessary in Crotona Place, from St. Paul's Place to East 171st Street, together with all work incidental thereto in the Borough of The Bronx, City of New York."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of The Bronx to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of The Bronx has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Paving and Curbing Faile Street, from Garrison Avenue to the Bridge Over the New York, New Haven and Hartford Railroad, Borough of The Bronx (Cal. No. 1-PP).

(On July 2, 1914 (Cal. No. 270), this matter was laid over for one week; on July 9, 1914 (Cal. No. 112), it was laid over to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13951. June 29th, 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 Morrisania District, Borough of The Bronx, adopted on January 20th, 1914, initiating proceedings for paving with asphalt (permanent pavement) and curbing where necessary Faile Street from Garrison Avenue to the bridge over the New York, New Haven & Hartford Railroad.

This resolution affects one-half block or about 100 feet of Faile Street, title to which has been legally acquired. The street is graded, curbed and flagged, but the abutting property is entirely unimproved. None of the subsurface structures has been provided but the property subdivisions are such that these will probably not be required excepting in the case of the water main which is needed for the purposes of circulation.

In a communication bearing date of June 3rd, 1914, the Borough President advises that the Department of Water Supply is prepared to install its main at an early date, and requests the immediate authorization of the paving improvement, stating that the actual work of construction will be deferred until the water main has been completed.

The work is estimated to cost about $1,100, and the assessed valuation of the property to be benefited is $44,500.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract, upon the completion of which the construction may properly be authorized if the gas main has been provided for, in case this is found to be necessary, and with the understanding that the work will not be begun until the water main has been laid.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of The Bronx offered the following:

Whereas, The President of the Borough of The Bronx has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Morrisania District, duly adopted by said Board on the 20th day of January, 1914, and approved by the President of the Borough of The Bronx on the 21st day of January, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For paving with sheet asphalt on a concrete foundation (permanent pavement) the roadway of Faile Street from the bridge over the New York, New Haven & Hartford Railroad to Garrison Avenue, setting curb where necessary, together with all work incidental thereto, in the Borough of The Bronx, City of New York."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of The Bronx to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent

to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of The Bronx has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Sewers in Hancock Street, from Vernon Avenue to the Crown North of Pierce Avenue; in Graham Avenue, from Hancock Street to the Boulevard, and in Sanford Street, from Hancock Street to the Boulevard, Borough of Queens (Cal. No. 1-QQ).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 113), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13469. January 12, 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 June 12, 1906, initiating proceedings for constructing sewers in the following streets: Hancock street, from Vernon avenue to the crown north of Pierce avenue; Graham avenue, from Hancock street to the Boulevard; Sanford street, from Hancock street to the Boulevard.

Title to Hancock street and to Graham avenue has been legally acquired.

An opening proceeding relating to Sanford street from Sherman street to Vernon avenue was instituted by the Board of Estimate and Apportionment on October 17, 1912. The oaths of the Commissioners of Estimate and Assessment were filed on November 19 of the following year and title to the land can be vested in the City at any time.

The resolution now presented affects three and one-half blocks of Hancock street and one block of each of the remaining streets, aggregating about 2,400 feet. The streets are in use and, with the exception of Sanford street, the abutting property is partially improved. The outlet sewer is built.

The work is estimated to cost about $13,300, and the assessed valuation of the property to be benefited is $204,210.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Queens offered the following:

Whereas, The President of the Borough of Queens has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Newtown District, duly adopted by said Board on the 12th day of June, 1906, and approved by the President of the Borough of Queens on the 12th day of June, 1906, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To construct a sewer and appurtenances in Hancock Street, from the Crown north of Pierce Avenue to Vernon Avenue; in Graham Avenue, from Hancock Street to the Boulevard; and in Sanford Street, from Hancock Street to the Boulevard; in the First Ward of the Borough of Queens."

—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 Queens 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 Queens has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Sewer in Birch Street, from Jamaica Avenue to Hillside Avenue, Borough of Queens (Cal. No. 1-RR).

(On June 12, 19 and 26, and July 2 and July 9, 1914 (Cal. No. 114), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13875. June 1, 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 23, 1913, initiating proceedings for constructing a sewer in Birch street from Jamaica avenue to Hillside avenue.

This resolution affects one block or about 500 feet of Birch street, which the Corporation Counsel advises is dedicated to public use. The roadway is macadamized for a portion of its width and the abutting property is partially improved. The outlet sewer is built.

The work is estimated to cost about $1,500, and the assessed valuation of the property to be benefited is $134,800.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Queens offered the following:

Whereas, The President of the Borough of Queens has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Jamaica District, duly adopted by said Board on the 23rd day of September, 1913, and approved by the President of the Borough of Queens on the 12th day of January, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For the construction of a sewer and appurtenances in Birch Street, from Jamaica Avenue to Hillside Avenue, Fourth Ward of the Borough of Queens."

—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 Queens 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 Queens has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Sewers in Canal Avenue, from Ridgewood Avenue to Syosset Street; in Syosset Street, from Canal Avenue to Shaw Avenue; in Shaw Avenue, from Syosset Street to Jamaica Avenue; in Unum Street, from Yarmouth Street to Snedeker Avenue; in Snedeker Avenue, from Unum Street to Jamaica Avenue; in Yarmouth Street, from Syosset Street to Jamaica Avenue, and in Jamaica Avenue, from Ferry Street to the Crown About 200 Feet East of the Borough Line, Borough of Queens (Cal. No. 1-SS).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 115), this matter was laid over; on the latter date to this meeting.)

Mr. Henry C. Atwood appeared in favor of the improvement.

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13873. June 1st, 1914.

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

Sir—Herewith is transmitted a joint resolution of the Local Boards of the Newtown and Jamaica Districts, Borough of Queens, adopted on April 4th, 1913, initiating proceedings for constructing sewers in the following streets: Canal avenue, from Ridgewood avenue to Syosset street; Syosset street, from Canal avenue to Shaw avenue; Shaw avenue, from Syosset street to Jamaica avenue; Unum street, from Yarmouth street to Snedeker avenue; Snedeker avenue, from Unum street to Jamaica avenue; Yarmouth street, from Syosset street to Jamaica avenue; Jamaica avenue, from Ferry street to the crown about 200 feet east of the Borough line.

Title to each of these streets has been established and the resolution affects lengths varying from one block of Snedeker avenue to eight blocks of Jamaica avenue, aggregating about one and one-half miles. The streets are in use and the abutting property in each case is well built up.

Preliminary authorization has been granted for the continuing outlet sewer in Canal avenue, which will provide for the sanitary flow. The drainage system is of the combined type and provision is included under the approved drainage plan for storm water overflows at the intersection of Jamaica avenue with Snedeker avenue; at the intersection of Yarmouth street with Syosset street, and at the intersection of Fulton street with Woodhaven avenue, but none of these relief sewers has been constructed or provided for. It is evident that no storm water should be admitted into the tributary sewers now under consideration until the general drainage system has been adequately developed, and I am informally advised that it is the intention to limit the flow to the house drainage. Building development in the tributary area has reached a point where sanitary drainage is needed, and under the conditions noted it would seem proper to now provide for the necessary sewers.

The work is estimated to cost about $57,500, and the assessed valuation of the property to be benefited is $4,862,202.

With the understanding that the sewers will be utilized temporarily for sanitary drainage only, the resolution would appear to be a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract, upon the completion of which and the presentation of specific information to show that the basins will be either omitted or plugged until such time as the storm water outlets are available, the construction may properly be authorized if the Canal street outlet has been given final authorization.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Queens offered the following:

Whereas, The President of the Borough of Queens has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Boards of the Newtown and Jamaica Districts, duly adopted by said Boards on the 4th day of April, 1913, and approved by the President of the Borough of Queens on the 23rd day of April, 1913, as follows, to wit:

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

"For the construction of a sewer and appurtenances in Canal Avenue, from Ridgewood Avenue to Syosset Street; Syosset Street, from Canal Avenue to Shaw Avenue; Shaw Avenue, from Syosset Street to Jamaica Avenue; Unum Street, from Yarmouth Street to Snediker Avenue; Snediker Avenue, from Unum Street to Jamaica Avenue; Yarmouth Street, from Syosset Street to Jamaica Avenue, and in Jamaica Avenue, from Ferry Street to the Crown about 200 feet east of the Borough Line, Fourth Ward of the Borough of Queens."

—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 Queens 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 Queens has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Regulating and Grading 1st Street, from Stryker Avenue to Howell Avenue, Borough of Queens (Cal. No. 1-TT).

(On June 12, 19 and 26, and July 2 and July 9, 1914 (Cal. No. 116), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13876. June 1st, 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 January 23d, 1914, initiating proceedings for grading, curbing and flagging 1st street, from Stryker avenue to Howell avenue.

This resolution affects one block or a little less than 500 feet of 1st street, which the Corporation Counsel advises is dedicated to public use. The roadway is approximately graded and a few buildings have been erected upon the abutting property.

The work is estimated to cost about $2,600 and the assessed valuation of the property to be benefited is $40,000.

In my judgment the resolution is a proper one, and I would recommend that the

Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Queens offered the following:

Whereas, The President of the Borough of Queens has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Newtown District, duly adopted by said Board on the 23rd day of January, 1914, and approved by the President of the Borough of Queens on the 2nd day of February, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For regulating, grading, curbing and laying sidewalks (where not already laid to grade and in good condition), together with all work incidental thereto, in First Street, from Stryker (Riker) Avenue to Howell Avenue, Second Ward of the Borough of Queens,"

—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 Queens 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 Queens has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Grading Manly Street, from Hunterspoint Avenue to Thomson Avenue, Borough of Queens (Cal. No. 1-UU).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 117), this matter was laid over; on the latter date to this meeting.)

Messrs. Charles A. Baker and J. W. Voorhis appeared in favor of the improvement.

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement and the following report of the Chief Engineer of the Board:

Report No. 13295. June 4, 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 September 29th, 1913, initiating proceedings for grading Manly street from Hunters Point avenue to Thomson avenue.

This resolution affects three blocks or about 1,700 feet of Manly street, title to which has been legally acquired. The street is not in use and the abutting property is entirely unimproved.

The work is estimated to cost about $7,500, and the assessed valuation of the property to be benefited is $120,000.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Queens offered the following:

Whereas, The President of the Borough of Queens has transmitted to the Board of Estimate and Apportionment 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, 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 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 Queens 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 Queens has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Regulating and Grading Hancock Street, from Cypress Avenue to Myrtle Avenue, Borough of Queens (Cal. No. 1-VV).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 118), this matter was laid over; on the latter date to this meeting.)

On motion, the matter was referred back to the Chief Engineer of the Board.

Grading Mount Street, from Hunterspoint Avenue to Thomson Avenue, Borough of Queens (Cal. No. 1-WW).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 119), this matter was laid over; on the latter date to this meeting.)

On motion, the matter was referred back to the Chief Engineer of the Board.

Sewers in Joslin Street, from California Avenue to Jackson Avenue, and in Sanford Avenue, from Idaho Street to Jackson Avenue, Borough of Queens (Cal. No. 1-XX).

(On July 2, 1914 (Cal. No. 271), this matter was laid over for one week; on July 9, 1914 (Cal. No. 120), it was laid over to this meeting.)

Mr. E. P. Doyle appeared in favor of the improvement.

On motion, the matter was laid over until July 30, 1914.

Sewer in Forest Avenue, from Myrtle Avenue to Halleck Avenue, Borough of Queens (Cal. No. 1-YY).

(On July 2, 1914 (Cal. No. 272), this matter was laid over for one week; on July 9, 1914 (Cal. No. 121), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in Beaufort Avenue, from Briggs Avenue to Lefferts Avenue, Borough of Queens (Cal. No. 1-ZZ).

(On July 2, 1914 (Cal. No. 273), this matter was laid over for one week; on July 9, 1914 (Cal. No. 122), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewers in Briggs Avenue, from Jamaica Avenue to Myrtle Avenue, and in Myrtle Avenue, from Briggs Avenue to Hamilton Avenue, Borough of Queens (Cal. No. 1-AAA).

(On July 2, 1914 (Cal. No. 274), this matter was laid over for one week; on July 9, 1914 (Cal. No. 123), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in Hallett Street, from Hoyt Avenue to Woolsey Avenue, Borough of Queens (Cal. No. 1-BBB).

(On July 2, 1914 (Cal. No. 275), this matter was laid over for one week; on July 9, 1914 (Cal. No. 124), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in Wilbur Avenue, from William Street to Ely Avenue, Borough of Queens (Cal. No. 1-CCC).

(On July 2, 1914 (Cal. No. 276), this matter was laid over for one week; on July 9, 1914 (Cal. No. 125), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in DeKalb Avenue, from Seneca Avenue to Onderdonk Avenue, Borough of Queens (Cal. No. 1-DDD).

(On July 2, 1914 (Cal No. 277), this matter was laid over for one week; on July 9, 1914 (Cal. No. 126), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Regulating and Grading Hancock Street, from Payntar Avenue to Freeman Avenue, Borough of Queens (Cal. No. 1-EEE).

(On July 2, 1914 (Cal. No. 278), this matter was laid over for one week; on July 9, 1914 (Cal. No. 127), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Regulating, Grading and Paving Thomson Avenue, from the Viaduct to Van Dam Street (Diagonal Street), Borough of Queens (Cal. No. 1-FFF).

(On July 2, 1914 (Cal. No. 279), this matter was laid over for one week; on July 9, 1914 (Cal. No. 128), it was laid over to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13948. June 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 Newtown District, Borough of Queens, adopted on June 17, 1914, initiating proceedings for grading, curbing and flagging and for paving with granite block (permanent pavement), Thomson Avenue from the Viaduct to Van Dam Street (Diagonal Street).

This resolution relates to a length of five short blocks or about 1,200 feet of Thomson Avenue, title to which has been legally acquired. The roadway has been macadamized through a portion of its width but at an elevation ranging up to a maximum of about 5 feet below the legal grade. I am informed that there is no record to show that the cost of this pavement was paid for by assessment or by bonds redeemed prior to consolidation. A large factory has been erected occupying the entire westerly block, while another one is under construction in the adjoining block here occupying the entire frontage. The remaining area is unimproved. The water main has been laid and information is presented to show that the gas main will be installed prior to the carrying out of the improvement now proposed. The sewer has been built but the position given the sewer manholes is such as to seriously interfere with traffic, the volume of which will be materially increased by reason of the improvements recently carried out and now in progress in this vicinity.

Owing to the large amount of fill which will be required a substantial period will have to intervene between the completion of the grading and the laying of the pavement in order that a proper foundation may be secured. To permit of a prompt return of assessment lists it has generally been the practice during the last few years to limit the scope of an improvement to such work as would make it possible to levy the assessment without delay. I am informed by the Borough President that the course proposed in this instance is due to a desire to expedite all of the work required, and that steps will be taken to compact the filling as rapidly as possible, for which reason he urges the immediate authorization of the improvement as a whole and as described by the Local Board.

Aside from the question as to the desirability of subdividing the work in such a way as to permit of completing the grading improvement and assessing its cost prior to the completion of the paving, the improvement appears to be a proper one.

The estimated cost of the work proposed is $55,200, and the assessed valuation of the property to be benefited is estimated at $500,000.

The matter is submitted for such action as the Board deems proper.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Queens offered the following:

Whereas, The President of the Borough of Queens has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Newtown District, duly adopted by said Board on the 17th day of June, 1914, and approved by the President of the Borough of Queens on the 17th day of June, 1914, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For regulating, grading, curbing and laying sidewalks (where not already laid to grade and in good condition) and paving with a permanent pavement consisting of improved granite blocks on a concrete foundation six (6) inches in thickness, together with all work incidental thereto in Thomson Avenue from the Viaduct to Diagonal Street, First Ward, of the Borough of Queens."

—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 Queens 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 Queens has submitted a statement showing that all of the above described work has been done; that he has secured the approval of the form of contract by the Corporation Counsel; that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

Temporary Combined Sewer in Fletcher Street, from a Point About 100 Feet East of Wall Street to a Point About 95 Feet West of Clifton Avenue, Borough of Richmond (Cal. No. 1-GGG).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 129), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a resolution of the Local Board initiating proceedings for this improvement, and the following report of the Chief Engineer of the Board:

Report No. 13890. June 8, 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 Staten Island District, Borough of Richmond, adopted on September 30, 1913, initiating proceedings for constructing a temporary combined sewer in Fletcher street from a point about 100 feet east of Wall street to a point about 95 feet west of Clifton avenue.

This street is shown upon a tentative plan recently approved by the Board. The resolution now presented is accompanied by affidavits from residents of the vicinity certifying that the highway has been in use for more than 20 years, and that during this period it has been maintained by the public authorities.

The resolution affects a little less than two blocks or about 600 feet of Fletcher street. A narrow roadway falls within the street lines and a number of buildings have been erected upon the frontage. The outlet sewer is built.

The work is estimated to cost about $1,300, and the assessed valuation of the land to be benefited is $10,300.

In my judgment the resolution is a proper one, and I would recommend that the Borough President be authorized to have the work performed which is required prior to placing the improvement under contract.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Richmond offered the following:

Whereas, The President of the Borough of Richmond has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Staten Island District, duly adopted by said Board on the 30th day of September, 1913, and approved by the President of the Borough of Richmond on the 3d day of October, 1913, 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 Fletcher Street, from a point about 100 feet east of Wall Street to a point about 95 feet west of Clifton Avenue, in the Fourth Ward, Borough of Richmond."

—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 Richmond 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 Richmond has submitted a statement showing that all of the above described work has been done; that he has secured the approval of the form of contract by the Corporation Counsel; that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

The Secretary presented the following report of the Chief Engineer of the Board recommending the final authorization of the local improvements relating to Cal. Nos. 1-HHH to 1-JJJ, inclusive:

Report No. 13932. June 29, 1914.

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

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

1. Alteration and improvement to the sewer on the westerly side of Park Avenue from East 66th Street to East 67th Street.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on November 20, 1913, 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 40 days, and that the expense incurred for the preliminary work amounts to $50.00.

The work to be done comprises the following: 136 lin. ft. 3 ft. 6 in. by 2 ft. 4 in. brick sewer, 2 manholes. The cost of the improvement is now estimated to be $3,000.

2. Alteration and improvement to the sewer in Walker Street from West Broadway to Broadway.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 10, 1913, at which time information was presented to show that its probable cost would be about $8,200. 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 $150.00.

The work to be done comprises the following: 451 lin. ft. 3 ft. 6 in. by 2 ft. 4 in. brick sewer, 150 lin. ft. 18-inch pipe sewer, 304 lin. ft. 15-inch pipe sewer, 30 lin. ft. 12-inch pipe sewer, 11 manholes. The cost of the improvement is now estimated to be $14,500.

3. Alteration and improvement to the sewer in West 35th Street from 5th Avenue to 6th 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 $12,800. The 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 $70.00.

The work to be done comprises the following: 308 lin. ft. 3 ft. 6 in. by 2 ft. 4 in. brick sewer, 510 lin. ft. 20-inch pipe sewer, 6 lin. ft. 15-inch pipe sewer, 9 manholes. The cost of the improvement is now estimated to be $13,000.

I see no reason why the construction work required to carry out these improvements should not be authorized and would recommend such action.

Respectfully, NELSON P. LEWIS, Chief Engineer.

Alteration and Improvement to the Sewer on the Westerly Side of Park Avenue, from East 66th Street to East 67th Street, Manhattan (Cal. No. 1-HHH).

(On July 2, 1914 (Cal. No. 280), this matter was laid over for one week; on July 9, 1914 (Cal. No. 130), it was laid over to this meeting.)

The President of the Borough of Manhattan then offered the following:

A copy of a resolution of the Local Board of the Murray Hill District, duly adopted by said Board on the 21st day of October, 1913, and approved by the President of the Borough of Manhattan on the 22nd 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:

"To make alteration and improvement to sewer on the west side of Park Avenue, between 66th and 67th Streets."

—and thereupon, on the 20th day of November, 1913, 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 $3,000, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $6,626,000, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

Alteration and Improvement to the Sewer in Walker Street, from West Broadway to Broadway, Manhattan (Cal. No. 1-III).

(On July 2, 1914 (Cal. No. 281), this matter was laid over for one week; on July 9, 1914 (Cal. No. 131), it was laid over to this meeting.)

The President of the Borough of Manhattan offered the following:

A copy of a resolution of the Local Board of the Greenwich District, duly adopted by said Board on the 17th day of June, 1913, and approved by the President of the Borough of Manhattan on the 19th day of June, 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:

"Alteration and improvement of sewer and appurtenances in Walker Street, between West Broadway and Broadway."

—and thereupon, on the 10th day of July, 1913, 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 $14,500, 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 $3,034,000, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

Alteration and Improvement to the Sewer in West 35th Street, from 5th Avenue to 6th Avenue, Manhattan (Cal. No. 1-JJJ).

(On July 2, 1914 (Cal. No. 282), this matter was laid over for one week; on July 9, 1914 (Cal. No. 132), it was laid over to this meeting.)

The President of the Borough of Manhattan offered the following:

A copy of a resolution of the Local Board of the Murray Hill 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 construct alteration and improvement to sewer in 35th Street, between 5th and 6th Avenues;"

—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 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 $13,000; 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 $10,184,000 having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

The Secretary presented a report of the Chief Engineer (No. 13919), relating to Cal. Nos. 1-KKK to 1-CCCC, inclusive, stating that communications have been received from the Borough President showing that the preliminary work has been authorized and has been performed, and that all of the conditions imposed by the Board have been complied with in the matter of the following local improvements:

Sewer in Williams Avenue, from Louisiana Avenue to Hegeman Avenue, Brooklyn (Cal. No. 1-KKK).

(On July 2, 1914 (Cal. No. 283), this matter was laid over for one week; on July 9, 1914 (Cal. No. 133), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in 64th Street, from 14th Avenue to New Utrecht Avenue, Brooklyn (Cal. No. 1-LLL).

(On July 2, 1914 (Cal. No. 284), this matter was laid over for one week; on July 9, 1914 (Cal. No. 134), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in 71st Street, from 18th Avenue to 19th Avenue, Brooklyn. Vesting Title to 71st Street, from 18th Avenue to 19th Avenue, Brooklyn (Cal. No. 1-MMM).

(On July 2, 1914 (Cal. No. 285), this matter was laid over for one week; on July 9, 1914 (Cal. No. 135), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in East 13th Street, from Ditmas Avenue to Newkirk Avenue, Brooklyn (Cal. No. 1-NNN).

(On July 2, 1914 (Cal. No. 286), this matter was laid over for one week; on July 9, 1914 (Cal. No. 136), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewers in 64th Street, from 9th Avenue to Fort Hamilton Avenue (Parkway); Fort Hamilton Avenue, West Side, from 63d Street to 64th Street, Brooklyn (Cal. No. 1-OOO).

(On July 2, 1914 (Cal. No. 287), this matter was laid over for one week; on July 9, 1914 (Cal. No. 137), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Regulating and Grading Canarsie Lane, from Flatbush Avenue to Nostrand Avenue, Brooklyn.
Vesting Title to Canarsie Lane, from Flatbush Avenue to East 16th Street, and from Rogers Avenue to Nostrand Avenue, Brooklyn (Cal. No. 1-PPP).

(On July 2, 1914, (Cal. No. 288), this matter was laid over for one week; on July 9, 1914, (Cal. No. 138), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Curbing, Recurbing and Paving East 22d Street, from Ditmas Avenue to Newkirk Avenue, Brooklyn (Cal. No. 1-QQQ).

(On July 2, 1914, (Cal. No. 289), this matter was laid over for one week; on July 9, 1914, (Cal. No. 139), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in 6th Street, Southerly Side, from 11th Avenue to 12th Avenue, Brooklyn (Cal. No. 1-RRR).

(On July 2, 1914, (Cal. No. 290), this matter was laid over for one week; on July 9, 1914, (Cal. No. 140), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in 36th Street, from Fort Hamilton Avenue to 12th Avenue, Brooklyn (Cal. No. 1-SSS).

(On July 2, 1914, (Cal. No. 291), this matter was laid over for one week; on July 9, 1914, (Cal. No. 141), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in 11th Avenue, from 53d Street to 54th Street, Brooklyn (Cal. No. 1-TTT).

(On July 2, 1914, (Cal. No. 292), this matter was laid over for one week; on July 9, 1914, (Cal. No. 142), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

House Connecting Drains in 74th Street, from 16th Avenue to 17th Avenue, Together With Receiving Basins on 74th Street at the Northeasterly and Southeasterly Corners of New Utrecht Avenue, Brooklyn
Vesting Title to 74th Street, from 16th Avenue to New Utrecht Avenue, Brooklyn (Cal. No. 1-UUU).

(On July 2, 1914, (Cal. No. 293), this matter was laid over for one week; on July 9, 1914 (Cal. No. 143), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sanitary Sewer in West 37th Street, from Surf Avenue Southwardly a Distance of About 245 Feet, Brooklyn (Cal. No. 1-VVV).

(On July 2, 1914, (Cal. No. 294), this matter was laid over for one week; on July 9, 1914, (Cal. No. 144), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in Dumont Avenue, from Linwood Street to Elton Street, Brooklyn (Cal. No. 1-WWW).

(On July 2, 1914, (Cal. No. 295), this matter was laid over for one week; on July 9, 1914, (Cal. No. 145), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in East 28th Street, from Tilden Avenue to Albemarle Road, Brooklyn (Cal. No. 1-XXX).

(On July 2, 1914 (Cal. No. 296), this matter was laid over for one week; on July 9, 1914 (Cal. No. 146), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sanitary Sewer in West 27th Street, from Surf Avenue to Neptune Avenue, Brooklyn (Cal. No. 1-YYY).

(On July 2, 1914 (Cal. No. 297), this matter was laid over for one week. On July 9, 1914 (Cal. No. 147), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in East 13th Street, from Avenue N to Avenue O, Brooklyn (Cal. No. 1-ZZZ).

(On July 2, 1914 (Cal. No. 298), this matter was laid over for one week. On July 9, 1914 (Cal. No. 148), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in 15th Avenue, from 46th Street to 47th Street, Brooklyn (Cal. No. 1-AAAA).

(On July 2, 1914 (Cal. No. 299), this matter was laid over for one week. On July 9, 1914 (Cal. No. 149), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in East 17th Street, from Avenue O to Avenue P, Brooklyn (Cal. No. 1-BBBB).

(On July 2, 1914 (Cal. No. 300), this matter was laid over for one week. On July 9, 1914 (Cal. No. 150), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in Newport Street, from Chester Street to Rockaway Avenue, Brooklyn (Cal. No. 1-CCCC).

(On July 2, 1914 (Cal. No. 301), this matter was laid over for one week. On July 9, 1914 (Cal. No. 151), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

The Secretary presented a report of the Chief Engineer (13920) relating to Cal. Nos. 1-DDDD to Cal. No. 1-FFFF, inclusive, stating that reports recommending the preliminary authorization of the following local improvements are now before the Board for consideration. The Borough President states that in each case the conditions usually imposed by the Board have been complied with and requests that final authorization be now given. No charges have been made against the Street Improvement Fund.

Paving East 23d Street, from Avenue M to Avenue N, Brooklyn.
Vesting Title to East 23d Street, from Avenue M to Avenue N, Brooklyn (Cal. No. 1-DDDD).

(On July 2, 1914 (Cal. No. 302), this matter was laid over for one week; on July 9, 1914 (Cal. No. 152), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Paving East 24th Street, from Avenue M to Avenue N, Brooklyn.
Vesting Title to East 24th Street, from Avenue M to Avenue N, Brooklyn (Cal. No. 1-EEEE).

(On July 2, 1914 (Cal. No. 303), this matter was laid over for one week; on July 9, 1914 (Cal. No. 153), it was laid over to this meeting.)

On motion the matter was laid over until July 30, 1914.

Sewer in Brooklyn Avenue, from Avenue D to Clarendon Road, Brooklyn (Cal. No. 1-FFFF).

(On July 2, 1914 (Cal. No. 304), this matter was laid over for one week; on July 9, 1914 (Cal. No. 154), it was laid over to this meeting.)

On motion the matter was laid over until July 30, 1914.

Regulating and Grading Roberge Place, from West 3d Street to West 5th Street, Brooklyn.
Vesting Title to Roberge Place, from West 3rd Street to West 5th Street, Brooklyn (Cal. No. 1-GGGG).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 155), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a report of the Chief Engineer (No. 13892), relating to Cal. No. 1-GGGG, stating that communications have been received from the Borough President, showing that the preliminary work has been authorized and has been performed, and that all of the conditions imposed by the Board have been complied with in the matter.

The President of the Borough of Brooklyn offered the following:

Whereas, The Board of Estimate and Apportionment on the 14th day of November, 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 Roberge Place from West 3rd Street to West 5th Street; and West 2nd Street from Sheepshead Bay Road to Sea Breeze 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 26th day of January, 1914;

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 1st day of August, 1914, the title in fee to each and every piece or parcel of land lying within the lines of said Roberge Place from West 3rd Street to West 5th Street, 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 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 18th day of February, 1914, and approved by the President of the Borough of Brooklyn on the 18th day of April, 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 regulate, grade, set curb and lay cement sidewalks on Roberge Place from West 3rd Street to West 5th Street."

—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 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 $1,200; 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 $38,600, 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 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 Watson Avenue, from Theriot Avenue to Beach Avenue; Beach Avenue, from Watson Avenue to Westchester Avenue, The Bronx.
Vesting Title to Watson Avenue from Theriot Avenue to Beach Avenue, The Bronx (Cal. No. 1-HHHH.)

(On July 2, 1914 (Cal. No. 305), this matter was laid over for one week; on July 9, 1914 (Cal. No. 156), it was laid over to this meeting.)

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

Report No. 13933. June 29, 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 advising that all of the conditions imposed by the Board prior to the authorization of the following local improvement have been complied with:

Sewers in the following streets: Watson Avenue from Theriot Avenue to Beach Avenue; Beach Avenue from Watson Avenue to Westchester Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on April 17, 1914, at which time information was presented to show that its probable cost would be about $25,600. The Borough President states that the time to be allowed for the completion of the improvement is 200 days, and that the expense incurred for the preliminary work amounts to $402.22.

The work to be done comprises the following: 232 lin. ft. 38 in. by 50 in. concrete sewer, 250 lin. ft. 29 in. by 40 in. concrete sewer, 799 lin. ft. 30-inch pipe sewer, 200 lin. ft. 15-inch pipe sewer, 409 lin. ft. 12-inch pipe sewer, 19 manholes, 2 receiving basins. The cost of the improvement is now estimate to be $29,300.

I see no reason why the construction work required to carry out this improvement should not be authorized and would recommend such action.

I would also recommend that title be vested in the City on August 1, 1914, to Watson Avenue from Theriot Avenue to Beach Avenue.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of The Bronx offered the following:

Whereas, The Board of Estimate and Apportionment of The City of New York, on the 12th day of March, 1909, 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 Haviland Avenue from Virginia Avenue to Zerega Avenue; Blackrock Avenue from Virginia Avenue to the bulkhead line of Westchester Creek; Chatterton Avenue from Virginia Avenue to the bulkhead line of Westchester Creek; and 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, Borough of The Bronx, City of New York, which proceeding was amended on March 13, 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 6, 1913, in which a change was made in the harbor lines theretofore fixed for Westchester Creek, involving a slight change in the lengths of Watson Avenue, Blackrock Avenue and Chatterton Avenue in the easterly block.

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 25th day of April, 1911;

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 1st day of August, 1914, the title in fee to each and every piece or parcel of land lying within the lines of said Watson Avenue from Theriot Avenue to Beach Avenue, in the Borough of The Bronx, City of New York, shall be vested in The City of New York.

Which was adopted by the following vote:

Affirmative—The Mayor, the 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 The Bronx offered the following:

A copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 1st day of December, 1913, and approved by the President of the Borough of The Bronx on the 4th day of December, 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 constructing sewers and appurtenances in Watson Avenue between Theriot Avenue and Beach Avenue; and in Beach Avenue between Watson Avenue and Westchester Avenue, and all work incidental thereto, in the Borough of The Bronx, City of New York."

—and thereupon, on the 17th day of April, 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 $29,000; 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 $496,683, having also been presented; it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

The Secretary presented a report of the Chief Engineer (No. 13883), relating to Cal. Nos. 1-IIII to 1-LLLL, inclusive, stating that communications have been received from the Borough President, showing that the preliminary work has been authorized and has been performed, and that all of the conditions imposed by the Board have been complied with in the matter:

Paving 57th Street, from 8th Avenue to 12th Avenue, Brooklyn (Cal. No. 1-IIII).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 157), this matter was laid over; on the latter date to this meeting.)

The President of the Borough of Brooklyn offered the following:

A copy of a resolution of the Local Board of the Bay Ridge 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 26th day of October, 1912, 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 amends resolution of July 2, 1906, initiating proceedings to pave with asphalt on concrete foundation, 57th Street, between 8th and 12th Avenues, by providing for a preliminary asphalt pavement on a 4-inch concrete foundation and by adding thereto the words 'where not already paved,' so as to make the amended resolution read as follows:

"'To lay a preliminary asphalt pavement on a 4-inch concrete foundation on 57th Street, from 8th Avenue to 12th Avenue, where not already paved.'"

—and thereupon, on the 18th day of December, 1913, 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 $14,900; 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 $259,900, 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 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 Avenue M, from East 16th Street to a Point About 60 Feet West of East 17th Street, Brooklyn (Cal. No. 1-KKKK).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 158), this matter was laid over; on the latter date to this meeting.)

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 14th day of November, 1913, and approved by the President of the Borough of Brooklyn on the 25th day of November, 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 regulate, grade, set cement curb and lay cement sidewalks on Avenue M, from East 16th Street to a property line about 60 feet west of East 17th street."

—and, thereupon, on the 1st day of May, 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 $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 $68,200, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

Regulating and Grading 70th Street, from 7th Avenue to 8th Avenue, Brooklyn (Cal. No. 1-LLLL).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 159), this matter was laid over; on the latter date to this meeting.)

The President of the Borough of Brooklyn offered the following:

A copy of a resolution of the Local Board of the Bay Ridge District, duly adopted by said Board on the 2d day of July, 1913, and approved by the President of the Borough of Brooklyn on the 18th day of July, 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 regulate, grade, set cement curb and lay cement sidewalks on 70th street, from 7th avenue to 8th avenue."

—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 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 $1,000; 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 $15,700 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 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 86th Street, from Bay Parkway to Gravesend Avenue, Brooklyn (Cal. No. 1-MMMM).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 160), this matter was laid over; on the latter date to this meeting.)

On motion, the matter was laid over until July 30, 1914.

The Secretary presented a report of the Chief Engineer (No. 13884), relating to Cal. Nos. 1-NNNN to 1-PPPP, inclusive, stating that communications have been received from the Borough President, showing that the preliminary work has been authorized and has been performed, and that all of the conditions imposed by the Board have been complied with in the matter of the following local improvements:

Regulating and Grading Allerton Avenue, from Bronx Park East to White Plains Road, The Bronx.

Vesting Title to Allerton Avenue, from Bronx Park East to White Plains Road, The Bronx (Cal. No. 1-NNNN).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 161), this matter was laid over; on the latter date to this meeting.)

The President of the Borough of The Bronx offered the following:

Whereas, The Board of Estimate and Apportionment on the 13th day of June, 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 Allerton avenue from Bronx Park East to Hutchinson avenue, and Mace avenue from Bronx Park East to Bay-chester avenue, 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 3d day of November, 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 1st day of August, 1914, the title in fee to each and every piece or parcel of land lying within the lines of said Allerton avenue from Bronx Park East to White Plains road, 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 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 The Bronx offered the following:

A copy of a resolution of the Local Board of the Chester District, duly adopted by said Board on the 15th day of December, 1913, and approved by the President of the Borough of The Bronx on the 17th day of December, 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, grading, setting curbstone, flagging the sidewalks, laying crosswalks, building approaches and erecting fences where necessary in Allerton avenue, from Bronx Park East to White Plains road, together with all work incidental thereto, in the Borough of The Bronx, City of New York,"

—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 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 $15,400; 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 $119,050 having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

Regulating and Grading Gleason Avenue, from White Plains Avenue to Zerega Avenue, The Bronx.

Vesting Title to Gleason Avenue, from White Plains Road to Virginia Avenue, and from the Westerly Line of Havemeyer Avenue and Zerega Avenue, The Bronx (Cal. No. 1-0000).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 162), this matter was laid over; on the latter date to this meeting.)

On motion, the matter was referred back to the Chief Engineer of the Board.

Sewer in Aqueduct Avenue (Westerly Side), from West 174th Street to West 176th Street, The Bronx (Cal. No. 1-PPPP).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 163), this matter was laid over; on the latter date to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Paving Castlehill Avenue, from Westchester Avenue to Turnbull Avenue, and Adjusting the Curbing, The Bronx (Cal. No. 1-QQQQ).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 164), this matter was laid over; on the latter date to this meeting.)

The Secretary presented the following report of the Chief Engineer of the Board recommending the final authorization of the above Local Improvement:

Report No. 13893. June 8, 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 advising that all of the conditions which it is the practice of the Board to impose prior to the final authorization of local improvements have been complied with in the matter of paving with bituminous concrete (preliminary pavement) and adjusting the curbing where necessary, Castlehill avenue, from Westchester avenue to Turnbull avenue.

The Borough President states that the time to be allowed for the completion of this improvement is 60 days and that no charges have been made against the Street Improvement Fund.

The work to be done comprises the following: 24,250 square yards bituminous concrete pavement, 3,400 linear feet curbing readjusted. The cost of the improvement is estimated to be $51,000.

A report recommending the preliminary authorization of this improvement is now before the Board for consideration. Assuming that it will meet with approval, there seems to be no reason to prevent the final authorization now requested, and such action is recommended.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of The Bronx offered the following:

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 21st 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 Castlehill Avenue, from Westchester Avenue to Turnbull Avenue, adjusting curb where necessary, together with all work incidental thereto."

—and thereupon, on the 12th day of June, 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 $51,000, 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 $1,631,200, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

The Secretary presented the following report of the Chief Engineer of the Board recommending the final authorization of the Local Improvements relating to Cal. Nos. 1-RRRR to 1-YYYY, inclusive:

Report No. 13921. June 29, 1914.

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

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

1. Grading the sidewalk and gutter spaces and flagging where necessary Napier Avenue from Chichester Avenue to Jerome Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on December 31, 1913, at which time information was presented to show that its probable cost would be about $3,300. 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 $95.43.

The work to be done comprises the following: 1,500 cu. yds. earth excavation, 10 cu. yds. rock excavation, 10,500 sq. ft. cement sidewalk. The cost of the improvement is now estimated to be $3,200.

2. Sewer in Lawn Avenue from Jerome Avenue to Beaufort Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment under a resolution adopted on December 12, 1912, and amended on April 17, 1914, at which time information was presented to show that its probable cost would be about $1,900. The Borough President states that the time to be allowed for the completion of the improvement is 25 days, and that the expense incurred for the preliminary work amounts to $29.66.

The work to be done comprises the following: 647 lin. ft. 12-inch pipe sewer, 4 manholes. The cost of the improvement is now estimated to be $1,900.

3. Sewers in the following streets: Forbes Street, from Queens Avenue to Franconia Avenue; Gerold Street, from Queens Avenue to Franconia Avenue; Franconia Avenue, from Forbes Street to Gerold Street.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on April 17, 1914, at which time information was presented to show that its probable cost would be about $4,800. 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 $92.93.

The work to be done comprises the following: 2,153 lin. ft. 12-inch pipe sewer, 17 manholes, 1 receiving basin. The cost of the improvement is now estimated to be $7,000.

4. House connecting drains, where necessary, in Sunswick Street, from Wilbur Avenue to Payntar Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on April 17, 1914, at which time information was presented to show that its probable cost would be about $1,000. The Borough Fresident states that the time to be allowed for the completion of the improvement is 15 days and that the expense incurred for the preliminary work amounts to $28.80.

The work to be done comprises the following: 128 lin. ft. 6-inch pipe for house connecting drains. The cost of the improvement is now estimated to be $400.

5. Grading, curbing and flagging Clinton Avenue, from Clermont Avenue to Broad Street.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on December 18, 1913, at which time information was presented to show that its probable cost would be about $20,100. 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 $616.55.

The work to be done comprises the following: 1,500 cu. yds. earth excavation, 100 cu. yds. rock excavation, 12,000 cu. yds. filling (excess), 2,500 lin. ft. curbing, 12,000 sq. ft. flagging. The cost of the improvement is now estimated to be $15,200.

6. Sewer in Fosdick Avenue, from Central Avenue to Myrtle Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on April 17, 1914, at which time information was presented to show that its probable cost would be about $2,100. The Borough President states that the time to be allowed for the completion of the improvement is 25 days and that the expense incurred for the preliminary work amounts to $49.32.

The work to be done comprises the following: 736 lin. ft. 12-inch pipe sewer, 6 manholes. The cost of the improvement is now estimated to be $2,600.

7. Grading and curbing Liberty Avenue, from the Brooklyn Borough Line to Ocean Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on June 12, 1914, at which time information was presented to show that its probable cost would be about $28,000. The Borough President states that the time to be allowed for the completion of the improvement is 120 days and that the expense incurred for the preliminary work amounts to $248.60.

The work to be done comprises the following: 39,000 cu. yds. earth excavation, 10 cu. yds. rock excavation, 1,500 cu. yds. filling (excess), 4,400 lin. ft. bluestone curbing, 7,600 lin. ft. concrete curbing. The cost of the improvement is now estimated to be $29,300.

8. Grading, curbing and flagging, where necessary, Silver Street, from Buchman Avenue to Anthon Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on March 27, 1914, at which time information was presented to show that its probable cost would be about $2,700. The Borough President states that the time to be allowed for the completion of the improvement is 15 days and that the expense incurred for the preliminary work amounts to $48.61.

The work to be done comprises the following: 350 cu. yds. earth excavation, 10 cu. yds. rock excavation, 450 lin. ft. new and old curbing, 1,800 sq. ft. cement sidewalk. The cost of the improvement is now estimated to be $1,000.

I see no reason why the construction work required to carry out these improvements should not be authorized, and would recommend such action.

I would also recommend that title be vested in the City on August 1, 1914, to Clinton Avenue, from Clermont Avenue to Broad Street.

Respectfully, NELSON P. LEWIS, Chief Engineer.

Grading the Sidewalk and Gutter Spaces and Flagging Napier Avenue, from Chichester Avenue to Jerome Avenue, Queens (Cal. No. 1-RRRR).

(On July 2, 1914 (Cal. No. 306), this matter was laid over for one week; on July 9, 1914 (Cal. No. 165), it was laid over to this meeting.)

On motion the matter was laid over until July 30, 1914.

Sewer in Lawn Avenue, from Jerome Avenue to Beaufort Avenue, Queens (Cal. No. 1-SSSS).

(On July 2, 1914 (Cal. No. 307), this matter was laid over for one week; on July 9, 1914 (Cal. No. 166), it was laid over to this meeting.)

On motion the matter was laid over until July 30, 1914.

Sewers in Forbes Street, from Queens Avenue to Franconia Avenue; Gerold Street, from Queens Avenue to Franconia Avenue; Franconia Avenue, from Forbes Street to Gerold Street, Queens (Cal. No. 1-TTTT).

(On July 2, 1914 (Cal. No. 308), this matter was laid over for one week; on July 9, 1914 (Cal. No. 167), it was laid over to this meeting.)

On motion the matter was laid over until July 30, 1914.

House Connecting Drains in Sunswick Street, from Wilbur Avenue to Payntar Avenue, Queens (Cal. No. 1-UUUU).

(On July 2, 1914 (Cal. No. 309), this matter was laid over for one week; on July 9, 1914 (Cal. No. 168), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Regulating and Grading Clinton Avenue, from Clermont Avenue to Broad Street, Queens (Cal. No. 1-VVVV).

Vesting Title to Clinton Avenue from Clermont Avenue to Broad Street, Queens.

(On July 2, 1914 (Cal. No. 310), this matter was laid over for one week; on July 9, 1914 (Cal. No. 169), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Sewer in Fosdick Avenue, from Central Avenue to Myrtle Avenue, Queens (Cal. No. 1-WWWW).

(On July 2, 1914 (Cal. No. 311), this matter was laid over for one week; on July 9, 1914 (Cal. No. 170), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Grading and Curbing Liberty Avenue, from Brooklyn Borough Line to Ocean Avenue, Queens (Cal. No. 1-XXXX).

(On July 2, 1914 (Cal. No. 312), this matter was laid over for one week; on July 9, 1914 (Cal. No. 171), it was laid over to this meeting.)

Mr. John C. Carnana appeared in opposition to the proposed improvement.

The President of the Borough of Queens offered the following:

A copy of a resolution of the Local Boards of the Newtown and Jamaica Districts, duly adopted by said Boards on the 30th day of April, 1914, and approved by the President of the Borough of Queens on the 2d 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 and curbing, together with all work incidental thereto, in Liberty Avenue from Brooklyn Borough Line to Ocean Avenue, Fourth 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 $29,300; 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 $320,000 having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

Regulating and Grading Silver Street, from Buchman Avenue to Anthon Avenue, Queens (Cal. No. 1-YYYY).

(On July 2, 1914 (Cal. No. 313), this matter was laid over for one week; on July 9, 1914 (Cal. No. 172), it was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Regulating, Grading and Paving Thomson Avenue, from the Viaduct to Van Dam Street (Diagonal Street), Queens (Cal. No. 1-ZZZZ).

(On July 2, 1914 (Cal. No. 314), this matter was laid over for one week; on July 9, 1914 (Cal. No. 173), it was laid over to this meeting.)

Messrs. Charles A. Baker and J. W. Voorhis appeared in favor of the proposed improvement.

The Secretary presented the following report of the Chief Engineer of the Board, recommending the final authorization of the above local improvement:

Report No. 13958. June 30, 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, bearing date of June 26, 1914, advising that all of the conditions which it is the practice of the Board to impose prior to the authorization of local improvements have been complied with in the matter of grading, curbing and flagging, and paving with granite block (permanent pavement), Thomson Avenue from the Viaduct to Van Dam Street (Diagonal Street).

A report concerning this improvement has been prepared and is now before the

Board for consideration. In case the preliminary authorization is granted there seems to be no reason to prevent the final authorization now requested and such action is recommended.

The Borough President states that the time to be allowed for the completion of the improvement is 120 days, and that no charges have been made against the Street Improvement Fund.

The work to be done comprises the following: 22,000 cu. yds. filling, 2,600 lin. ft. new and old curbing, 11,000 sq. ft. flagging, 9,600 sq. yds. granite block pavement. The cost of the improvement is estimated to be $55,200.

Respectfully, NELSON P. LEWIS, Chief Engineer.

The President of the Borough of Queens offered the following:

A copy of a resolution of the Local Board of the Newtown District, duly adopted by said Board on the 17th day of June, 1914, and approved by the President of the Borough of Queens, on the 17th 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, curbing and laying sidewalks (where not already laid to grade and in good condition), and paving with a premanent pavement consisting of improved granite blocks on a concrete foundation six (6) inches in thickness, together with all work incidental thereto in Thomson Avenue from the Viaduct to Diagonal Street, 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 $55,200; 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 $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 construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

The Secretary presented the following report of the Chief Engineer of the Board recommending the final authorization of the local improvements relating to Cal. Nos. 1-AAAAA to 1-CCCCC, inclusive:

Report No. 13959. June 30, 1914.

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

Sir—Herewith are transmitted communications from the President of the Borough of The Bronx advising that all of the conditions imposed by the Board prior to the authorization of the following local improvements have been complied with:

1. Grading, curbing, flagging and building steps in the Unnamed Street from Rogers Place at East 165th Street westwardly to East 165th Street.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 31, 1913, at which time information was presented to show that its probable cost would be about $5,000. 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 $207.22.

The work to be done comprises the following: 700 cubic yards earth and rock excavation, 150 linear feet new and old curbing, 2,200 square feet cement sidewalk, 205 cubic feet granite steps, 90 cubic feet granite coping, 900 linear feet 2-inch iron pipe railing, 6 lamp posts. The cost of the improvement is now estimated to be $3,800.

2. Sewers in the following streets: St. Raymond Avenue, from Odell Street to Olmstead Avenue; Olmstead Avenue, from St. Raymond Avenue to Westchester 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 $22,400. The Borough President states that the time to be allowed for the completion of the improvement is 150 days, and that the expense incurred for the preliminary work amounts to $290.75.

The work to be done comprises the following: 260 linear feet 42-inch by 56-inch concrete sewer, 528 linear feet 29-inch by 40-inch concrete sewer, 322 linear feet 20-inch pipe sewer, 24 linear feet 18-inch pipe sewer, 206 linear feet 15-inch pipe sewer, 203 linear feet 12-inch pipe sewer, 15 manholes, 3 receiving basins. The cost of the improvement is now estimated to be $16,900.

I see no reason why the construction work required to carry out these improvement should not be authorized and would recommend such action.

I would also recommend that title be vested in the City on August 1, 1914, to Olmstead Avenue, from Westchester Avenue to St. Raymond Avenue, where not already acquired. Respectfully,

NELSON P. LEWIS, Chief Engineer.

Regulating, Grading and Building Steps in the Unnamed Street from Rogers Place, at East 165th Street, Westwardly to East 165th Street, The Bronx (Cal. No. 1-AAAAA).

(On July 2, 1914 (Cal. No. 325), this matter was laid over for one week; on July 9, 1914 (Cal. No. 174), it was laid over to this meeting.)

The President of the Borough of The Bronx offered the following:

A copy of a resolution of the Local Board of the Crotona District, duly adopted by said Board on the 9th day of June, 1913, and approved by the President of the Borough of The Bronx, on the 14th day of June, 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, grading, setting curb stones, flagging the sidewalks, laying crosswalks, building approaches, erecting fences where necessary and building steps and appurtenances where required in unnamed street from Rogers Place and East 165th Street westwardly to 165th Street, together with all work incidental thereto, in the Borough of The Bronx, City of New York."

—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 The Bronx, to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of The Bronx had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of The Bronx, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $3,800; 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 $589,400, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

Sewers in St. Raymond Avenue, from Odell Street to Olmstead Avenue; Olmstead Avenue, from St. Raymond Avenue to Westchester Avenue, The Bronx.

Vesting Title to Olmstead Avenue, from Westchester Avenue to St. Raymond Avenue, The Bronx (Cal. No. 1-BBBBB).

(On July 2, 1914 (Cal. No. 326), this matter was laid over for one week; on July 9, 1914 (Cal. No. 175), it was laid over to this meeting.)

On motion, the matter was referred back to the Chief Engineer of the Board.

Sewer in Van Alst Avenue, from Broadway to Ridge Street; Ridge Street, from Van Alst Avenue to Ely Avenue, Queens (Cal. No. 1-CCCCC).

(On June 12, 19 and 26, and July 2 and 9, 1914 (Cal. No. 176), this matter was laid over; on the latter date to this meeting.)

The Secretary presented a report of the Chief Engineer (13885), stating that a communication has been received from the Borough President showing that the preliminary work has been authorized and has been performed, and that all of the conditions imposed by the Board have been complied with in this matter.

On motion, the matter was referred back to the Chief Engineer of the Board.

Public Service Commission for the First District—Consent to Award of Contract to the Underpinning and Foundation Company for Construction of Section 2, Route 20 of the Broadway-4th Avenue Rapid Transit Railroad and the Issue of Corporate Stock Therefor (Cal. No. 2).

(On May 28, 1914 (No. 191), 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.)

(This matter was discussed at the meeting of the Board on July 9, 1914, and was laid over until this meeting.)

The Secretary presented the following requisition of the Public Service for the First District, for the consent of the Board to the award of a contract to the Underpinning & Foundation Company, for the construction of Section 2, Route 20 of the Broadway-4th Avenue Rapid Transit Railroad and the issue of Corporate Stock therefor; and copy of agreement with the Underpinning & Foundation Co., modifying contract for the construction of above mentioned section, together with the report of the Comptroller, and Bureau of Contract Supervision, recommending approval thereof:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau St., New York, May 26, 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 Underpinning & Foundation Co. for the construction of Section No. 2, of Route No. 20, being that portion of the Broadway-Fourth Avenue Rapid Transit Railroad beginning at a point under Canal Street, in the Borough of Manhattan, about thirty (30) feet east of the easterly building line of Broadway and extending thence easterly under Canal Street to a point about thirty-five (35) feet east of the easterly building line of the Bowery.

According to the official tabulation of bids, the Underpinning & Foundation Co. is the lowest bidder for the construction of this section, with an aggregate bid of one million eight hundred and twenty-two thousand nine hundred and ninety-four and twenty-five one-hundredths dollars ($1,822,994.25). In analyzing the unit prices contained in the proposal of the Underpinning & Foundation Co. it would seem that there is too great a variation between the unit prices for underpinning and the unit prices for maintaining, protecting and securing buildings, the price for underpinning buildings less than seven (7) stories in height being ten dollars ($10) per lineal foot, while the price for maintaining, protecting and securing buildings is two hundred dollars ($200) per lineal foot.

In order to care for this situation the Underpinning & Foundation Co. has filed with this Commission a stipulation wherein it agrees that if and when the contract is awarded by this Commission and consented to by your Honorable Board it will immediately upon the execution and delivery of the contract, enter into a modifying agreement which shall provide in effect that the Underpinning & Foundation Co. is to do all the work of underpinning and of protecting buildings in accordance with the terms of the contract and at the unit prices set forth in its proposal with the proviso, however, that the Underpinning & Foundation Co. shall not receive therefor in excess of sixty-nine thousand three hundred dollars ($69,300), that sum being the estimated cost of all underpinning and of all protection in accordance with the estimated quantities and at the unit prices bid in each case. This will avoid the danger of the transfer from underpinning to protection of part of the work estimated under the underpinning quantities. It is also set forth in such stipulation that if the total quantities of underpinning and of protection (2,180 linear feet), should be exceeded, the contractor should receive for the additional work such reasonable amount as should be determined by the Chief Engineer of this Commission. It is probable that no underpinning or protection will be needed in excess of the estimated quantity of 2,180 feet, but if there should be additions, this arrangement would protect the City from the price of two hundred dollars ($200) per lineal foot for protection.

The Public Service Commission for the First District requests your Honorable Board to consent to the said contract herewith transmitted, and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit, the sum of one million eight hundred and twenty-two thousand nine hundred and ninety-four and twenty-five one-hundredths dollars ($1,822,994.25), and also to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of said portion of said railroad, to wit, the sum of one million eight hundred and twenty-two thousand nine hundred and ninety-four and twenty-five one-hundredths dollars ($1,822,994.25).

The Public Service Commission for the First District does hereby, pursuant to Section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of one million eight hundred and twenty-two thousand nine hundred and ninety-four and twenty-five one-hundredths dollars ($1,822,994.25).

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

In witness whereof the Public Service Commission for the First District has caused its official seal to be hereto affixed and attested by its Secretary, and these presents to be signed by its Chairman this 26th day of May, 1914.

(Seal.) PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. MCCALL, Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 10, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On May 28, 1914, you referred to the Comptroller and the Bureau of Contract Supervision a communication, dated May 26, 1914, from the Public Service Commission for the First District, transmitting for your consent a proposed contract to be entered into between The City of New York and The Underpinning and Foundation Company for the construction of Section No. 2 of Route No. 20, being that portion of the Broadway-Fourth Avenue Rapid Transit Railroad running easterly under Canal Street in Manhattan, from a point about 30 feet east of Broadway to a point about 35 feet east of the Bowery, at an estimated cost of $1,822,994.25.

The Commission requested the Board of Estimate and Apportionment to prescribe the limit of $1,822,994.25 as the amount of bonds to be made available to meet the requirements of the contract and also to direct the Comptroller to issue bonds to

the amount above noted, the same to be charged against the appropriation of $60,000,000 made by the Board on March 18, 1913, for the purpose of carrying out the terms of the contract dated March 19, 1913, between the City and the New York Municipal Railway Corporation known as Contract No. 4.

In its communication, the Public Service Commission noted that the bid of the successful contractor was unbalanced, and the commission submitted a stipulation to be signed by the contractor before final award that would protect the City's interests and prevent any money loses on that account.

This work has been awarded to the low bidder among seven competitors under "Alternative S," which provides for open cut work as against "Alternative T," requiring work by the shield method. The low bidder is some $135,000 lower than the next higher.

The unbalanced items are "underpinning" buildings and sewers at $10 per foot and "protecting" buildings and sewers at $200 per foot. There is an aggregate of 2,180 feet of these classes of work, amounting to, at the prices noted $69,300.

The stipulation mentioned had foreseen the likelihood of more protection work being required on execution than was bid on and less underpinning, and it provided that work to an aggregate of 2,180 feet of whatever classification should be done for an amount of $69,300, and for work over the amount of 2,180 feet, the contractor was to be paid only its reasonable value.

This stipulation has since been developed into an agreement which had the approval of the Corporation Counsel on July 9, 1914, and a copy of which is herewith forwarded. This agreement provides that any excess of such work done over the 2,180 feet listed, whatever its classification may be, shall be paid for at the price of $10 per foot.

We recommend the adoption of the attached resolutions consenting to the award of the contract, under the modifying agreement above noted, as approved by the Corporation Counsel, limiting the amount of bonds available and authorizing and directing the Comptroller to issue the necessary corporate stock.

Respectfully, WM. A. PRENDERGAST, Comptroller.

Agreement made this 13th day of July, 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"), and The Underpinning & Foundation Co., a corporation organized and existing under the laws of the State of New York (hereinafter called the "Contractor").

Whereas the City, acting by the Commission, has entered into a contract with the Contractor bearing even date herewith for the construction of Section No. 2, Alternative "S," of Route No. 20, being that portion of the Broadway-Fourth Avenue Rapid Transit Railroad beginning at a point under Canal Street in the Borough of Manhattan about thirty (30) feet east of the easterly building line of Broadway and extending thence easterly along Canal Street to a point about thirty-five (35) feet east of the easterly building line of the Bowery, which contract is hereinafter called the "Contract"; and

Whereas the Schedule of Unit Prices in the Contract contains the following in respect of the underpinning and the maintenance, protection and securing of buildings and of the sewer and buildings adjacent thereto along the northerly side of Canal Street:

Item 4. For underpinning buildings (except those included in Item 4-M), including all incidental work, labor and material, per lineal front foot of building underpinned, as follows:

(a) For buildings less than seven (7) stories in height, the sum of ten dollars ($10.00) per front foot.

(b) For buildings from seven (7) to twelve (12) stories, inclusive, in height, the sum of ten dollars ($10.00) per front foot.

Item 4-E. For maintaining, protecting and securing buildings (except those included in Item 4-M), including all incidental work, labor and material, the sum of two hundred dollars ($200) per lineal front foot of building maintained, protected and secured.

Item 4-M. For maintaining, protecting and securing or underpinning the sewer and buildings adjacent thereto, along the northerly side of Canal Street, including all incidental work, labor and material, as required by Section No. 427 of the Specifications, as follows:

(a) For underpinning, the sum of ten dollars ($10.00) per lineal foot of sewer underpinned.

(b) For maintaining, protecting and securing, the sum of two hundred dollars ($200) per lineal foot of sewer maintained, protected and secured;

—and

Whereas objection was made to the prices contained in said Items 4, 4-E and 4-M prior to the execution and delivery of the Contract on the ground that there is an unreasonable variation between the several prices set forth, and the Contractor, in order to remove such objection and secure the Contract entered into a stipulation dated May 22, 1914, whereby the Contractor stipulated that if the Commission would award the Contract to it and if the Board of Estimate and Apportionment would consent thereto, the Contractor would forthwith upon the execution and delivery of the Contract enter into an agreement, to be prepared by Counsel to the Commission and to contain such clauses and provisions as might be necessary to carry out the spirit of said stipulation, modifying the Contract in the respects set forth in said stipulation and hereinafter provided for; and

Whereas the aggregate amount of the estimated approximate quantities contained in the Contractor's Proposal for underpinning and for maintaining, protecting and securing adjacent buildings (except buildings included in said Schedule Item 4-M) and for underpinning and for maintaining, protecting and securing the sewer (including the buildings adjacent thereto) along the northerly side of Canal Street amounts to two thousand one hundred and eighty (2,180) lineal feet of such buildings and sewer and the sum of the products resulting from the multiplication of each of said estimated approximate quantities by the respective unit price therefor is sixty-nine thousand three hundred dollars ($69,300); and

Whereas it is intended to provide by this agreement, among other things, that the Contractor shall do all such work of underpinning and of maintaining, protecting and securing as set forth in the Contract up to and including said aggregate amount of said estimated approximate quantities, being two thousand one hundred and eighty (2,180) lineal feet as aforesaid, for said unit prices stipulated in said Schedule Items 4, 4-E and 4-M, but with the express understanding and proviso that in no event shall the Contractor claim or receive more than sixty-nine thousand three hundred dollars ($69,300) for all such work performed up to and including said two thousand one hundred and eighty (2,180) lineal feet irrespective of whether and the extent to which the estimated approximate quantities of the several items making up said two thousand one hundred and eighty (2,180) lineal feet be increased or decreased, and that the Contractor shall accept for any such work of underpinning or of maintaining, protecting and securing ordered and performed in excess of said two thousand one hundred and eighty (2,180) lineal feet the price stipulated in the Contract in the case of underpinning, to wit: Ten ($10) dollars per lineal front foot, all as hereinafter provided.

Now, therefore, in consideration of the premises and for the purpose of carrying out said stipulation, it is hereby mutually agreed between the parties hereto that the Contract be and hereby is modified as follows:

(1) The Contractor shall in the manner and as provided in the Contract and in accordance with all the provisions of the Contract perform all work of underpinning and of maintaining, protecting and securing adjacent buildings and the sewer, with buildings adjacent thereto, along the northerly side of Canal Street as set forth in the Contract. The City will pay, and the Contractor shall receive, for all such work of underpinning and of maintaining, protecting and securing performed by the Contractor in accordance with the Contract, up to and including the aggregate amount of said estimated approximate quantities contained in the Contractor's Proposal, being two thousand one hundred and eighty (2,180) lineal feet as aforesaid, the unit prices stipulated in said Schedule Items 4, 4-E and 4-M above referred to, as provided in the Contract; provided, however, and it is expressly understood and agreed that the total compensation and payment to be made to the Contractor by the City for all such work of underpinning and of maintaining, protecting and securing so performed by the Contractor up to and including said two thousand one hundred and eighty (2,180) lineal feet shall not in any event exceed the sum of sixty-nine thousand three hundred dollars ($69,300) and the Contractor shall not in any event have or make any claim against the City for any compensation or payment in excess of said sum of sixty-nine thousand three hundred dollars ($69,300) for such underpinning or for such maintaining, protecting and securing so performed by the Contractor up to and including said two thousand one hundred and eighty (2,180) lineal feet, irrespective of whether and the extent to which the estimated approximate quantities of the several items making up said two thousand one hundred and eighty (2,180) lineal feet be increased or decreased, the Contractor hereby expressly waiving all compensation in excess of said sum of sixty-nine thousand three hundred dollars ($69,300) which it would otherwise have been entitled to reecive at said unit prices for any such work of underpinning or of maintaining, protecting and securing so performed by it up to and including said two thousand one hundred and eighty (2,180) lineal feet.

(2) If the Chief Engineer or the Acting Chief Engineer of the Commission or his duly authorized representative shall order the Contractor by a written order to do any additional work of underpinning or of maintaining, protecting and securing of adjacent buildings (except buildings included in said Schedule Item 4M), or of said sewer (including the building adjacent thereto) along the northerly side of Canal street in excess of said two thousand one hundred and eighty (2,180) lineal feet, the City will pay, and the Contractor shall receive and accept, in full compensation for any such additional work of underpinning so ordered by said Chief Engineer or Acting Chief Engineer or his duly authorized representative, and performed by the Contractor in accordance with the terms of the contract, the sum of ten dollars ($10) per lineal foot, being the price stipulated in said Schedule Items 4 and 4M for underpinning; and the City will pay, and the Contractor shall receive and accept, in full compensation for any such additional work of maintaining, protecting and securing so ordered by said Chief Engineer or Acting Chief Engineer or his duly authorized representative and performed by the Contractor in accordance with the terms of the contract, in lieu of the price stipulated in said Schedule Item 4E and 4M for maintaining, protecting and securing, the sum of ten dollars ($10) per lineal foot of such buildings or sewer measured as in the contract provided.

It is expressly agreed, however, that the Contractor shall not have any claim for compensation against the City for any such additional work of underpinning or of maintaining, protecting and securing, performed by the Contractor in excess of said two thousand one hundred and eighty (2,180) lineal feet, whether such work be or be not necessary, unless the Chief Engineer or the Acting Chief Engineer of the Commission or his duly authorized representative shall have ordered such work in writing, it being understood that if the Contractor shall deem it necessary to perform any work of underpinning or of maintaining, protecting and securing in excess of said two thousand one hundred and eighty (2,180) lineal feet which the Chief Engineer or the Acting Chief Engineer of the Commission or his duly authorized representative shall not have so ordered in writing, the Contractor shall perform such work so deemed by it to be necessary at its own expense.

(3) In case the Contractor shall file a bond under the provisions of Article XXVII of the Contract as security for the performance of the Contract instead of depositing cash or securities, such bond shall be security for the faithful performance by the Contractor of the Contract as modified by this agreement and shall be in the form prescribed therefor by the Contract, except that such changes shall be made in said form as the Commission shall prescribe for the purpose of providing that said bond shall be security for the faithful performance of the Contract as modified by this agreement.

It is further agreed that except as hereby expressly modified the Contract and all the provisions thereof shall remain in all respects unchanged and in full force and effect in like manner as if the modifications hereby made had been originally incorporated in the Contract.

And it is further agreed that no member of the Commission shall be liable personally under or by reason of this agreement or any of its articles or provisions.

And it is further agreed that this agreement shall be binding upon the parties hereto and their respective successors and assigns.

In witness whereof this agreement 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 said The Underpinning & Foundation Co. has caused its corporate seal to be hereto affixed and attested by its Secretary and these presents to be signed by its President, all the day and year first above written.

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

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

THE UNDERPINNING AND FOUNDATION CO., by JULES BREUCHAND, President.

(Seal.)

Attest: JULES R. BREUCHAND, Secretary.

Approval of Corporation Counsel.

The foregoing agreement is hereby approved as to form.

Dated, New York, July , 1914.

JOHN L. O'BRIEN, Acting Corporation Counsel.

State of New York, County of New York, ss:

On the 16th day of July, 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.

ROBERT J. FARRINGTON, Notary Public, Kings County, No. 163. Certificates filed, Kings, Register No. 7657; New York County Clerk No. 82; New York Register No. 5208; Queens County Clerk's No. 583.

State of New York, County of New York, ss:

On this 13th day of July, 1914, before me personally appeared Jules Breuchand, to me known, who, being by me first duly sworn, did depose and say: That he resides in The City of New York, in the State of New York; that he is the President of The Underpinning & Foundation Co., the corporation described in and which executed the foregoing instrument; 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.

GEO. W. YUENGLING, Notary Public, New York County.

RAPID TRANSIT RAILROAD.

CONTRACT.

Route No. 20, Section No. 2, Alternative S.

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 The Underpinning and Foundation Company, hereinafter called the Contractor, party of the second part.

Whereas, the Commission on behalf of the City by due advertisement, pursuant to law, has invited contractors to submit to the Commission proposals for making this contract; and

Whereas, the Contractor has thereupon duly submitted to the Commission a proposal, which has been accepted; and

Whereas, the Board of Estimate and Apportionment of The City of New York has consented to this contract;

Now, Therefore, in consideration of the mutual covenants and agreements hereinafter contained, and under the authority of chapter 4 of the laws of 1891 entitled, "An Act to provide for Rapid Transit Railways in Cities of over One Million Inhabitants," and of the various acts amending the same, the parties do hereby, the City for itself and its successors and the Contractor for itself, its successors and assigns

Agree each with the other as follows:

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.

Brief Description of Works.

Article II. The Railroad to be constructed under this contract forms part of a certain route adopted by the Board of Rapid Transit Railroad Commissioners for the City of New York on April 18, 1907, and known as the Manhattan Bridge Route (Revised); and a part of a certain route adopted by the Commission on February 4, 1908, and known as the Canal Street Route or Route No. 20. The part to be constructed under this contract consists of

Section No. 2, Alternative S.

Beginning at a point under Canal Street in the Borough of Manhattan about thirty (30) feet east of the easterly building line of Broadway and extending thence easterly under Canal Street to a point about thirty-five (35) feet east of the easterly building line of the Bowery.

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.

Statute Incorporated Herein.

Article III. This contract is made pursuant to the Rapid Transit Act, which is to be deemed a part hereof as if it were incorporated herein.

Marginal Notes, Etc.

Article IV. Titles, headings, running headlines and marginal notes are printed hereon merely for convenience and shall not be deemed to be any part of this contract for any purpose whatever.

Definition of Words.

Article V. The following words and expressions used in this contract shall, except where by the context it is clear that another meaning is intended, be construed as follows:

"City."

(1) The word "City" to mean The City of New York and any other corporation or division of government to which the ownership, rights, powers and privileges of The City of New York under the Rapid Transit Act shall hereafter come, belong or appertain.

"Commission."

(2) The word "Commission" to mean the Public Service Commission for the First District and any other board, body, commission, official or officials to which or to whom the powers now belonging to the said Commission in respect of the location, construction, equipment, maintenance and operation of rapid transit railroads under the provisions of the Rapid Transit Act shall, by virtue of any act or acts, hereafter pass or be held to appertain.

"Contractor."

(3) The word "Contractor" to mean the party of the second part to this contract and its successors and assigns and any and every person or corporation who or which shall at any time be liable in the place or for the party of the second part to perform any obligations under this contract assumed by the said party of the second part. For convenience the Contractor is hereinafter referred to as if the Contractor were an individual. The word "he" shall, as the sense may require, include "it," "she" and "they"; the word "him" shall include "her," "it" and "them"; and the words "his" shall include "its," "her" and "their."

"Comptroller."

(4) The word "Comptroller" to mean the Comptroller of The City of New York and the officer or board to whom or to which his powers now existing under the Rapid Transit Act shall come to appertain.

"Engineer."

(5) The word "Engineer" to mean the Chief Engineer of the Commission or his duly authorized representative and any successor or successors duly appointed or any deputy or substitute for him who shall be appointed by the Commission or by its authority.

"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, and chapters 100, 510, 524 and 540 of the laws of 1913 or as heretofore otherwise amended.

"Railroad."

(8) The word "Railroad" to mean the part of a Rapid Transit Railroad which the Contractor agrees by this contract to build, together with all appurtenances thereto which are to be constructed or provided by the Contractor.

"The Works."

(9) The words "the Works" to mean all the matters and things herein agreed to be furnished or done by or on the part of the Contractor.

"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. The word "direction" to mean a written direction.

"Direction."

Wherever in the specifications or upon the drawings the words "directed," "required," "permitted," "ordered," "designated," "prescribed" or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation or prescription of the Engineer is intended, and similarly the words "approved," "acceptable," "satisfactory" or words of like import shall mean approved by or acceptable or satisfactory to the Engineer.

Legal Address of Contractor—Address May Be Changed.

Article VI. The Contractor hereby designates Room No. on the floor of the building No. in the Borough of in the City of New York as the place where all notices, directions and other communications to the Contractor may be served, mailed or delivered. The delivering at the aforesaid place or depositing in a post-paid wrapper directed to the aforesaid place in any post-office box regularly maintained by the Post-office Department, of any notice, letter or other communication to the Contractor shall be deemed to be sufficient service thereof upon the Contractor as of the date of such delivery or deposit. Such address may be changed at any time by an instrument in writing executed and acknowledged by the Contractor and delivered to the Commission. Nothing herein contained shall be deemed to preclude or render inoperative the service of any notice, direction or other communication upon the Contractor personally.

Contractor Responsible for Acts of Sub-contractors' Employees.

Article VII. If the Contractor shall cause any part of this contract to be performed by a sub-contractor, the provisions of this contract shall apply to such sub-contractor and his officers, agents and employees in all respects, as if he and they were employees of the Contractor; and the Contractor shall not be in any manner thereby discharged from his obligations and liabilities hereunder, but shall be liable hereunder for all acts and negligence of the sub-contractor, his officers, agents and employees as if they were employees of the Contractor. The employees of the sub-contractor shall be subject to the same provisions hereof as employees of the Contractor; and the work 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.

CHAPTER II.

Work to Be Done, Prices, Etc.

Work to Be Done.

Article IX. The Contractor shall do all the work and furnish all the materials, plant, tools and appliances necessary or proper for performing and completing the work of constructing the Railroad in the manner and within the time hereinafter specified. He shall complete the Railroad and do all work and furnish all labor and materials in and about the construction of the Railroad to the satisfaction of the Commission and in accordance with this contract and the specifications and drawings herein mentioned at the prices herein agreed upon and fixed therefor; provided, however, that said contract drawings may from time to time be altered or modified as hereinafter provided.

Construction Includes Incidental Work.

Article X. In order to construct the Railroad it will be necessary to take up and relay the sidewalk and roadway pavement or other surface material and to protect, support and maintain all buildings and other structures, including their foundations, and all surface, subsurface and elevated railroads, water mains, gas pipes, electric subways, poles and wires, mail tubes, vaults, including vaults of abutting property, and other surface, subsurface and overhead structures, with their connections, as the same may be met along the route; to build sewers both along the route and other streets; to make and remake the necessary manholes, catch basins and other sewer connections therewith; to move, alter, readjust or rebuild water mains, gas pipes, electric subways, mail tubes, vaults, including vaults of abutting property, and other surface, subsurface and overhead structures, with their connections; and to do all such additional and incidental work as may be necessary for the completion of the Railroad and the reconstruction and restoration of the street pavements and other surfaces and of all surface, subsurface and overhead structures which may have been directly or indirectly affected by, disturbed or injured by the Contractor in the progress of the work of construction, to as useful, safe, durable and good a condition as existed before construction shall have been begun. All such work of every description, including underpinning or the maintaining, protecting and securing wherever necessary, of all buildings and structures of whatsoever nature, monuments, and surface, subsurface and elevated railroads affected by or interfered with during the construction of the Railroad, is part of the work which is included in this contract and which the Contractor agrees to perform for the prices herein agreed upon.

Prices.

Article XI. The City will pay and the Contractor shall receive in full compensation for furnishing the necessary plant and all the materials and labor, and for performing and completing all the work which is necessary or proper to be furnished or performed in order to complete the Railroad (including all incidental work), and also for all loss or damage arising out of the nature of the work aforesaid or from the action of the elements or from any unforeseen obstruction or difficulty encountered in the prosecution of the work, and for all risks of any description connected with the work, and for all expenses incurred by or in consequence of the suspension or discontinuance of the work as herein specified, the following prices, to wit:

SCHEDULE OF UNIT PRICES.

Item 1. For earth excavation above mean high water (except excavation for sewers, pipes and ducts), including the disposal of it, etc., the sum of seven dollars and thirty cents ($7.30) per cubic yard.

Item 2. For earth excavation below mean high water (except excavation for sewers, pipes and ducts), including the disposal of it, etc., as follows:

(a) From mean high water to a plane fifteen feet below mean high water, the sum of seven dollars and thirty cents ($7.30) per cubic yard.

(b) Below a plane fifteen feet below mean high water, the sum of seven dollars and thirty cents ($7.30) per cubic yard.

Item 2-A. For earth excavation, both above and below mean high water, for sewers, pipes and ducts other than street railroad ducts, including the disposal of it, etc., the sum of seven dollars and thirty cents ($7.30) per cubic yard.

Item 4. For underpinning buildings (except those included in Item 4-M), including all incidental work, labor and material, per lineal front foot of building underpinned, as follows:

(a) For buildings less than seven (7) stories in height, the sum of ten dollars ($10) per front foot.

(b) For buildings from seven (7) to twelve (12) stories, inclusive, in height, the sum of ten dollars ($10) per front foot.

Item 4-E. For maintaining, protecting and securing buildings (except those included in Item 4-M), including all incidental work, labor and material, the sum of two hundred dollars ($200) per lineal front foot of building maintained, protected and secured.

Item 4-M. For maintaining, protecting and securing or underpinning the sewer and buildings adjacent thereto, along the northerly side of Canal Street, including all incidental work, labor and material, as required by Section No. 427 of the Specifications, as follows:

(a) For underpinning, the sum of ten dollars ($10) per lineal foot of sewer underpinned.

(b) For maintaining, protecting and securing, the sum of two hundred dollars ($200) per lineal foot of sewer maintained, protected and secured.

Item 6. For concrete masonry, in place, the sum of nine dollars ($9) per cubic yard.

Item 7. For protective concrete masonry, in place, outside of waterproofing, the sum of nine dollars ($9) per cubic yard.

Item 8. For rubble stone masonry, in place, the sum of eight dollars and seventy-five cents ($8.75) per cubic yard.

Item 8-A. For dry rubble masonry, in place, the sum of eight dollars and fifty cents ($8.50) per cubic yard.

Item 9. For brick masonry, in place, the sum of twenty dollars ($20) per cubic yard.

Item 9-D. For the removal and disposal of old masonry of whatever kind, as required by Section No. 427 of the Specifications, the sum of ten dollars ($10) per cubic yard.

Item 10. For hollow terra cotta brick or tile masonry of any thickness, in place, the sum of twenty dollars ($20) per cubic yard.

Item 11. For grout of Portland cement, the sum of two dollars and seventy cents ($2.70) per barrel of Portland cement used.

Item 11-A. For resurfacing concrete masonry with neat Portland cement mortar, as required by Section No. 427 of the Specifications, the sum of one dollar and twenty cents ($1.20) per square yard.

Item 12. For timber piles, in place and prepared, the sum of two dollars ($2) per lineal foot.

Item 13. For timber foundations, placed and fastened, the sum of fifty dollars ($50) per thousand feet, board measure.

Item 14. For broken stone or gravel, in place, other than that used in concrete, the sum of three dollars ($3) per cubic yard.

Item 15. For waterproofing, treated woven fabric (except dry ply), laid with pitch or asphaltum, in place, as follows:

(a) For one-ply, the sum of thirty-five cents ($0.35) per square yard.

(b) For two-ply, the sum of seventy cents ($0.70) per square yard.

(c) For three-ply, the sum of one dollar and five cents ($1.05) per square yard.

(d) For four-ply, the sum of one dollar and fifty cents ($1.50) per square yard.

(e) For five-ply, the sum of two dollars ($2) per square yard.

(f) For six-ply, the sum of two dollars and fifty cents ($2.50) per square yard.

(i) For dry-ply, the sum of thirty-five cents ($0.35) per square yard.

Item 16. For waterproofing, brick laid in asphalt mastic, in place, the sum of twenty-two dollars ($22) per cubic yard.

Item 17. For vitrified or cast-iron drain pipe, in place, as follows:

(a) For twelve (12) inch vitrified pipe, the sum of one dollar and twenty cents ($1.20) per lineal foot.

(b) For ten (10) inch vitrified pipe, the sum of one dollar ($1) per lineal foot.

(c) For eight (8) inch vitrified pipe, the sum of eighty cents ($0.80) per lineal foot.

(d) For six (6) inch vitrified pipe, the sum of sixty cents ($0.60) per lineal foot.

(e) For four (4) inch vitrified pipe, the sum of forty cents ($0.40) per lineal foot.

(g) For six (6) inch cast-iron pipe, the sum of one dollar and fifty cents ($1.50) per lineal foot.

(h) For four (4) inch cast-iron pipe, the sum of one dollar ($1) per lineal foot.

(i) For ten (10) inch cast-iron pipe, the sum of two dollars ($2) per lineal foot.

Item 17-A. For cast-iron pipe and fittings, including specials, "extra heavy," in place, as follows:

(a) For three (3) inch, the sum of eighty cents ($0.80) per lineal foot.

(b) For four (4) inch, the sum of one dollar ($1) per lineal foot.

(c) For six (6) inch, the sum of one dollar and fifty cents ($1.50) per lineal foot.

(d) For eight (8) inch, the sum of two dollars ($2) per lineal foot.

Item 18. For Tunnel ducts in place as required by Section No. 407 of the Specifications, the sum of fifteen cents ($0.15) per duct foot.

Item 19. For riveted steel, painted and erected, the sum of seventy dollars ($70) per ton of two thousand pounds.

Item 20. For steel beams and shapes with connections, painted and erected, the sum of sixty dollars ($60) per ton of two thousand pounds.

Item 21. For steel rods and bars built in concrete, the sum of eighty dollars ($80) per ton of two thousand pounds.

Item 25. For miscellaneous iron castings such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes, in place, the sum of one hundred dollars ($100) per ton of two thousand pounds.

Item 25-C. For miscellaneous iron furnishings for sewer manholes and basins, both cast and wroght, such as manhole and basin heads, covers, inlet gratings or bars, manhole steps, etc., but not including pipe, in place, the sum of one hundred dollars ($100) per ton of two thousand pounds.

Item 26. For special wire forms, in place, the sum of ten cents ($0.10) per pound.

Item 27. For one and one-half (1½) inch galvanized iron pipe hand-rail, in place, including expansion bolts, etc., the sum of forty cents ($0.40) per lineal foot.

Item 28. For steel gratings, for ventilation, in place, including frames, etc., the sum of one dollar and fifty cents ($1.50) per square foot.

Item 29. For vault lights, in place, the sum of one dollar and fifty cents ($1.50) per square foot.

Item 30. For street surface restored, as follows:

(a) Within curb lines, including curbs and all structures and growths therein or thereon, the sum of two dollars and seventy cents ($2.70) per square yard.

(e) For repavement of roadways between curb lines with Asphalt pavement, the sum of five dollars ($5) per square yard.

(f) For repavement of roadways between curb lines with Granite Block pavement, the sum of two dollars and twenty-five cents ($2.25) per square yard.

(i) For new bluestone curb, in place, including all incidental work, labor and material, the sum of two dollars ($2) per lineal foot.

(k) For new eight (8) inch granite curb, in place, including all incidental work, labor and materials, the sum of two dollars and fifty cents ($2.50) per lineal foot.

Item 32. For wrought-iron electric conduits, in place, in stations, as follows:

(a) For three-fourths (¾) inch wrought-iron conduits, the sum of twenty cents ($0.20) per lineal foot.

(b) For one and one-half (1½) inch wrought-iron conduits, the sum of thirty-five cents ($0.35) per lineal foot.

(c) For two (2) inch wrought-iron conduits, the sum of fifty cents ($0.50) per lineal foot.

(d) For one (1) inch wrought-iron conduits, the sum of twenty-five cents ($0.25) per lineal foot.

Item 33. For cast-iron outlet boxes, in place, in stations, the sum of one dollar and fifty cents ($1.50) each.

Item 33-A. For cast-iron pull boxes, in place, in stations, the sum of one dollar and fifty cents ($1.50) each.

Item 34. For cast-iron pipe and fittings, including specials, "extra heavy," in place, in stations, as follows:

(a) For six (6) inch, the sum of one dollar and fifty cents ($1.50) per lineal foot.

(b) For three (3) inch, the sum of eighty cents ($0.80) per lineal foot.

Sewers.

Vitrified and Cast-Iron Pipe.

Item 37. For twelve (12) inch vitrified pipe sewer, the sum of three dollars ($3) per lineal foot.

Item 38. For fifteen (15) inch vitrified pipe sewer, the sum of four dollars ($4) per lineal foot.

Item 40. For twenty (20) inch vitrified pipe sewer, the sum of five dollars ($5) per lineal foot.

Item 41. For twenty-four (24) inch vitrified pipe sewer, the sum of six dollars ($6) per lineal foot.

Item 42. For cast-iron sewer pipe (straight pipe) in place in the work, the sum of fifty dollars ($50) per ton of two thousand pounds.

Item 43. For cast-iron sewer pipe (special castings) in place in the work, the sum of one hundred dollars ($100) per ton of two thousand pounds.

Egg-Shaped Brick or Concrete Sewers.

Item 45. For 3 feet 6 inches by 2 feet 4 inches, the sum of ten dollars ($10) per lineal foot.

Item 47. For 4 feet by 2 feet 8 inches, the sum of fifteen dollars ($15) per lineal foot.

Surface and Subsurface Structures.

Item 75. For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed, in excess of the number existing), as follows:

(a) For electric (underground trolley) railroads, the sum of four dollars ($4) per lineal foot of single track.

(b) For horse, storage battery or other independent motor operated railroads, the sum of four dollars ($4) per lineal foot of single track.

Item 76. For the temporary and permanent support and maintenance of elevated railroad structures and all work incidental thereto, as follows:

(a) For elevated railroad columns supported entirely upon the Railroad, the sum of two thousand dollars ($2,000) per column.

Item 76-B. For the support, maintenance, underpinning, safety and protection of the subsurface rapid transit railroad in Lafayette Street with its station entrances, appurtenances, equipment and rolling stock and for the safety and protection of all passengers and other persons and of all property therein, the sum of twenty-five thousand dollars ($25,000).

Item 76-C. For the support, maintenance, underpinning, safety and protection of the subsurface rapid transit railroad in Centre Street with its station entrances, appurtenances, equipment and rolling stock and for the safety and protection of all passengers and other persons and of all property therein, the sum of ten thousand dollars ($10,000).

Item 76-F. For the support, maintenance, securing, safety and protection of the subsurface railroad in Canal and Walker Streets with its appurtenances, equipment and rolling stock and for the safety and protection of all passengers and other persons and of all property therein, the sum of five thousand dollars ($5,000).

Pipes in Streets.

For Work and Materials as Called for by the Specifications.

Water Pipes.

For water pipes, including all appurtenances, in place, as follows:

Item 79. For 6-inch water pipe, the sum of sixty cents ($0.60) per lineal foot.

Item 82. For 12-inch water pipe, the sum of one dollar and twenty cents ($1.20) per lineal foot.

Item 84. For 20-inch water pipe, the sum of two dollars ($2) per lineal foot.

Item 85. For 24-inch water pipe, the sum of two dollars and forty cents ($2.40) per lineal foot.

Item 87. For 36-inch water pipe, the sum of three dollars and sixty cents ($3.60) per lineal foot.

Item 88-A. For service connections for water pipes, all sizes, the sum of twenty-five dollars ($25) each.

Gas Pipes.

For cast-iron gas pipes, including all appurtenances, in place, as follows:

Item 90. For 4-inch gas pipe, the sum of forty cents ($0.40) per lineal foot.

Item 91. For 6-inch gas pipe, the sum of sixty cents ($0.60) per lineal foot.

Item 92. For 8-inch gas pipe, the sum of eighty cents ($0.80) per lineal foot.

Item 93. For 10-inch gas pipe, the sum of one dollar ($1) per lineal foot.

Item 94. For 12-inch gas pipe, the sum of one dollar and twenty cents ($1.20) per lineal foot.

Item 95. For 16-inch gas pipe, the sum of one dollar and sixty cents ($1.60) per lineal foot.

Item 96. For 20-inch gas pipe, the sum of two dollars ($2) per lineal foot.

Item 97. For 24-inch gas pipe, the sum of two dollars and forty cents ($2.40) per lineal foot.

Item 98. For 30-inch gas pipe, the sum of three dollars ($3) per lineal foot.

Item 99-A. For wrought-iron by-passing pipes upon or below the street surface, in place, as follows:

(b) For 8-inch by-passing pipe, the sum of five dollars ($5) per lineal foot.

(d) For 12-inch by-passing pipe, the sum of seven dollars ($7) per lineal foot.

(e) For 16-inch by-passing pipe, the sum of seven dollars and fifty cents ($7.50) per lineal foot.

Item 99-B. For wrought-iron by-passing pipes above the street surface, on trestle, in place, as follows:

(a) For 12-inch by-passing pipe, the sum of seven dollars ($7) per lineal foot.

(b) For 16-inch by-passing pipe, the sum of seven dollars and fifty cents ($7.50) per lineal foot.

(h) For trestle to support by-passing pipes, in place in the work, the sum of three dollars ($3) per lineal foot of trestle.

Item 99-D. For service connections for gas pipes, all sizes, the sum of twenty-five dollars ($25) each.

New Water and Gas Pipe.

Item 100. For new cast-iron hub and spigot straight pipe actually used, as measured in place in the work, the sum of fifty dollars ($50) per ton of two thousand pounds.

Item 101. For new cast-iron hub and spigot pipe, special castings, actually used, as measured in place in the work, the sum of one hundred dollars ($100) per ton of two thousand pounds.

High Pressure Fire System Pipes, Standard Spigot and Groove.

For high pressure fire system pipe, including all appurtenances, in place, as follows:

Item 102. For 8-inch high pressure fire system water pipe, the sum of two dollars ($2) per lineal foot.

Item 103. For 12-inch high pressure fire system water pipe, the sum of three dollars ($3) per lineal foot.

Item 104. For 16-inch high pressure fire system water pipe, the sum of four dollars ($4) per lineal foot.

Item 105. For 20-inch high pressure fire system water pipe, the sum of ten dollars ($10) per lineal foot.

Item 106. For 24-inch high pressure fire system water pipe, the sum of fifteen dollars ($15) per lineal foot.

New Cast-Iron Spigot and Groove Pipe for High Pressure Fire System.

Item 107. For new cast-iron spigot and groove straight pipe actually used, as measured in place in the work, the sum of sixty dollars ($60) per ton of two thousand pounds.

Item 108. For new cast-iron spigot and groove pipe, special castings, actually used, as measured in place in the work, the sum of one hundred and twenty dollars ($120) per ton of two thousand pounds.

Mail Tubes.

For mail tubes, including all appurtenances, in place, as follows:

Item 125. For 8-inch mail tube, the sum of two dollars ($2) per lineal foot.

Item 126-C. For new mail tubes, including all appurtenances actually used, as measured in place in the work, as follows:

(a) For new 8-inch mail tube, straight pipe, the sum of three dollars ($3) per lineal foot.

(b) For new 8-inch mail tube, curved pipe, the sum of five dollars ($5) per lineal foot.

Ducts Found in Streets.

Electric Ducts and Conduits in Streets.

[Other than street railroad ducts which are provided for in Schedule Item 75-(a).]

Item 127. For electric ducts and conduits in place, as provided in Section No. 62 of the Specifications, the sum of one dollar ($1) per duct foot.

Item 127-A. For wrought-iron pipe electric ducts and conduits in place, as provided in Section No. 62 of the Specifications, as follows:

(a) For 2½-inch wrought-iron pipe, the sum of one dollar ($1) per lineal foot.

(b) For 3-inch wrought-iron pipe, the sum of twenty-five cents ($0.25) per lineal foot.

(c) For 3½-inch wrought-iron pipe, the sum of one dollar ($1) per lineal foot.

(d) For 4-inch wrought-iron pipe, the sum of one dollar and fifty cents ($1.50) per lineal foot.

(f) For 2-inch Edison conduit, the sum of one dollar ($1) per lineal foot.

(g) For 2½-inch Edison conduit, the sum of one dollar ($1) per lineal foot.

Item 127-C. For service connections for electric ducts, all sizes, the sum of twenty-five dollars ($25) each.

Quantities.

Prices for Work Not Susceptible of Classification.

Article XII. In case any work or materials shall be required to be done or furnished in or about the Works—whether specified herein or indicated on the drawings or not—which, in the opinion of the Engineer, are not susceptible of classification under the Schedule of Unit Prices, the Contractor shall and will if ordered by the Engineer do and perform such work and furnish such materials at and for the actual and necessary net cost in money to the Contractor for labor and for material where new material is used, and in addition thereto ten (10) per centum of such net cost for the use of tools and plant, superintendence and all other expenses incidental to the performance of such work and the furnishing of such material, and the Contractor shall have no further claim in excess of the above; but this method of payment shall not apply to the performance of any work or the furnishing of any material which in part or in whole is, in the opinion of the Engineer, susceptible of classification under such schedule, which work or material shall be paid for in part or in whole, as the case may be, at the unit price given in such schedule, except as herein otherwise *expressly* provided.

Daily Report in Detail Required.

In case any work or material shall be required to be done or furnished under the provisions of this Article, for cost plus ten (10) per centum, the Contractor shall at the end of each day during the progress thereof furnish to the Engineer daily time slips showing the name and number of each workman employed thereon, the number of hours employed thereon, the character of work he is doing and the wages paid or to be paid to him and also a daily memorandum of the material delivered on the work showing the amount and character of such material, from whom purchased and the amount paid or to be paid therefor. If required by the Engineer or the Commission, the Contractor shall produce any books, vouchers, records and memoranda showing the work and materials actually paid for and the actual prices therefor. Such daily time slips and memoranda shall not, however, be binding upon the City and if any question or dispute shall arise as to the correct cost of such work or material, the determination of the Engineer upon such question or dispute shall be final and conclusive.

In lieu of the provision hereinbefore in this Article contained for paying for work and materials which in the opinion of the Engineer are not susceptible of classification under the Schedule of Unit Prices (including the use of tools and plant, superintendence and all other expenses incidental to the performance of such work and the furnishing of such material), the Engineer may in his discretion, but only with the approval of the Commission, fix and determine unit prices for such labor and materials (including the use of tools and plant, superintendence and all other expenses incidental to the performance of such work and the furnishing of such material) or a lump sum price therefor. Such additional unit prices or such lump sum price shall be embodied in a Supplemental Schedule and shall be filed by the Engineer in his office. If the Contractor shall notify the Engineer in writing that he will not accept the price or prices fixed and determined as aforesaid, he shall be paid in accordance with the provisions of the first two paragraphs of this Article.

Quantities, Approximate Only.

Article XIII. The quantities of the various classes of work to be done and materials to be furnished under this contract specified in the Contractor's Proposal are approximate and only for the purpose of comparing, on a uniform basis, the bids offered for the Works; and neither the City nor the Commission nor any member of the Commission is to be held responsible that any of the said estimated quantities shall be found even approximately correct in the construction of the Works; and the Contractor shall make no claim for damages or for anticipated profit or for loss of profit because of a difference between the quantities of the various classes of work actually done or materials actually delivered and the estimated quantities of items stated in the Contractor's Proposal or because of the entire omission of any of the quantities of items stated in the Contractor's Proposal.

Right of Commission to Amplify Drawings.

Article XIV. The Commission shall have the right, during the progress of the work, to amplify the drawings, to add explanatory specifications and to furnish additional specifications and drawings.

Drawings May Be Modified.

Article XV. The Commission further reserves the right to alter in any way it may deem necessary for the public interests, the drawings aforesaid, in part or altogether, at any time during the progress of the work, without constituting grounds for any claim by the Contractor for payment or allowance for damages or extra service other than is provided for items of the different classes of construction shown in the schedule, or where, in the opinion of the Engineer, not susceptible of classification, then as otherwise provided herein.

Contractor Bound to Complete in Best Manner.

Article XVI. The Contractor shall complete the entire work in accordance with the specifications and contract drawings and according to the other provisions of this contract and within the 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, for the prices hereinbefore agreed upon.

Best Machinery, Tools, Etc., to Be Used.

Article XVII. The Contractor shall furnish of the best description all materials, machinery, implements, tools and labor necessary to construct and put in complete working order all work covered by the specifications, contract drawings and provisions of this contract, including all additional specifications, drawings and details issued or required as herein provided, for the prices hereinbefore agreed upon.

Contractor Has Examined Locations, Drawings, Etc.

Article XVIII. The Contractor hereby represents that prior to the execution of this contract he has examined in detail on the ground the location mentioned herein and indicated on the contract drawings, and that he has fully examined the contract drawings and has read each and every clause and section of this contract and of the specifications and has had full opportunity to consider the same and make necessary investigations relating thereto; and he agrees that he will not make any claim for, or have any right to, damages or an extension of time for completion of the Works or any other concession because of any misinterpretation or misunderstanding of this contract or of the specifications or of the contract drawings or because of any lack of information.

No Acceptance to Obviate the Necessity for Sound Work, Etc.

Article XIX. No acceptance of any part of the Works or of materials therefor shall relieve the Contractor of his obligation to furnish sound material and perform sound work, whether with respect to such part or to any other part of the Works.

Inspection.

Article XX. The Commission contemplates, and the Contractor hereby approves, the most thorough and minute inspection by the Commission and its Engineer and by their representatives or subordinates of all work and materials and of the manufacture or preparation of such materials from the beginning of construction to the final completion of the Works. It is the intention of the Commission that its Engineer shall draw the attention of the Contractor to all defects in workmanship or materials or other errors or variations from the requirements of this contract. But no omission on the part of the Commission or its Engineer or any officer, member or subordinate of the Commission to point out such defects, errors or variations shall give the Contractor any right or claim against the City or shall in any way relieve the Contractor from his obligations according to the terms of this contract.

Contractor to Afford Facilities for Inspection.

Article XXI. The Contractor shall at all times give to the Commission and its members, to the Engineer and his assistants and subordinates and to any person designated by the Commission or its Chairman all facilities, whether necessary or convenient, for inspecting the materials to be furnished and the work to be done under this contract. The members of the Commission, the Engineer and all employees of the Commission bearing his authorization or the authorization of the Commission or its Chairman, shall be admitted at any time summarily and without delay to any part of the Works or to inspection of materials at any place or stage of their manufacture, preparation, shipment or delivery.

Engineer to Be Furnished Facilities.

Article XXII. The Engineer shall be furnished with every reasonable facility for ascertaining whether the work is in accordance with the requirements and intention of this contract, even to the extent of uncovering or taking down portions of finished work. Should the work thus exposed or examined prove satisfactory, the uncovering or taking down and the replacing of the covering or the making good of the parts removed shall be paid for at the contract prices for the class of work done; but should the work exposed or examined prove unsatisfactory, such uncovering, taking down, replacing and making good shall be at the expense of the Contractor.

Inspection Not to Relieve Contractor of Obligations.

Article XXIII. The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill this contract as herein prescribed, and defective work shall be made good and unsuitable materials will be rejected, notwithstanding that such work and materials have been accepted or estimated for payment. If the work or any part thereof shall be found defective before the final acceptance of the whole work, the Contractor shall forthwith make good such defect in a manner satisfactory to the Engineer, and if any material brought upon the ground for use in the work or selected for the same shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials as may be directed by the Engineer.

Engineer's Determination. To Be Final Upon Contractor.

Article XXIV. To prevent disputes and litigations, the Engineer shall in all cases determine the classification, amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for under this contract; shall determine all questions in relation to the Works and the construction thereof, and shall in all cases determine every question which may arise relative to the fulfillment of this contract on the part of the Contractor. His determination and estimate shall be final and conclusive upon the Contractor, and in case any question touching this contract shall arise between the parties hereto, such determination and estimate shall be a condition precedent to the right of the Contractor to receive any money under this contract.

Engineer to Explain Specifications.

Article XXV. The Engineer shall make all necessary explanations as to the meaning and intention of the specifications, shall give all orders and directions contemplated therein or thereby and in every case in which a difficult or unforeseen condition shall arise in the performance of the work required by this contract.

Contractor to Obey Directions.

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.

Other Contractors.

During the progress of the work it will be necessary for other contractors and persons to do work in or about the construction or equipment of the Railroad. . The Contractor shall afford to such other contractors or persons such facilities as the Engineer may require.

Contiguous Contract Sections.

Wherever any work performed or to be performed by the Contractor under this contract shall adjoin, affect or interfere with any work performed or to be performed by any other contractor or contractors of the Commission, including the work 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 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.

Differences Between Contractor and Other Contractors.

Wherever any work performed or to be performed by the Contractor under this contract shall adjoin, affect or interfere with any work performed or to be performed by the New York Municipal Railway Corporation, its successors or assigns, or by any contractor or contractors of the New York Municipal Railway Corporation, 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 or assigns, or to such other contractor or contractors.

Substitute for Chief Engineer.

Article XXVI. Any engineer substituted by the Commission in place of the Chief Engineer during the absence, illness or inability 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.

CHAPTER III.

Specifications.

Specifications and Drawings to be Interpreted as Requiring Railroad of Highest Class. Where Text of Contract Doubtful, best Materials and Workmanship Required.

Section No. 1. The Specifications and contract drawings hereinafter mentioned, taken in connection with the other provisions of this contract, are intended by the Commission to be full and comprehensive, and to show all the work required to be done. But in a work of this magnitude it is impossible either in advance to show all details, or precisely to forecast all exigencies. The specifications and contract drawings are to be taken, therefore, as indicating the amount of work, its nature and the method of construction so far as the same are now distinctly apprehended. The Railroad is intended to be constructed for actual use and operation as an intra-urban railroad of the highest class, adapted to the necessities of the people of New York, in the best manner, according to the best rules and usages of railroad construction, and in the event of any doubt as to the meaning of any portion of the specifications or of the contract drawings or of the text of this contract, the same shall be interpreted as calling for the best construction, both as to materials and workmanship, capable of being supplied or applied. All the clauses of the specifications and all the parts of the contract drawings are, therefore, to be understood, construed and interpreted as intending to produce the results hereinbefore stated.

To Construct in Accordance With Specifications.

Section No. 2. The Contractor shall construct and complete the Railroad strictly in accordance with the requirements of these specifications; if in the specifications or this contract, any 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 the work hereunder at the unit prices for each class of work where in the opinion of the Engineer applicable or as provided in Article XII.

Maps and Drawings.

Section No. 3. The contract drawings referred to in the contract and specifications are each countersigned by the Engineer, stamped with the seal of the Commission and, except typical drawings hereinbelow designated, bear the general title:

ROUTE No. 20, SECTION No. 2.

Contract Drawing No.

and are designated or numbered as follows:

A-2-S, B-292, B-293, C-1-S to C-25-S, inclusive, C-401-S and C-601-S, and are dated January 24, 1914, and the following typical drawings, which are all countersigned by the Engineer, stamped with the seal of the Commission and bear the general title:

Contract Drawing No.

and are designated or numbered as follows:

B-288, B-289 and B-290, all dated October 22, 1913, and C-1001, dated April 16, 1913.

Typical Sections and Dimensions.

Section No. 4. The sections and dimensions shown on the contract drawings are typical sections and dimensions which should be applicable to the greater part of the work. Working drawings to amplify the contract will be furnished by the Commission to the Contractor, from which the shop drawings shall be made by him. The first of these working drawings will be given to the Contractor within thirty (30) days after this contract is delivered and the remainder from time to time as may reasonably be required by the Contractor. Where, however, changes are deemed necessary they may be ordered under Article XV of this contract and the Engineer shall issue such drawings and specifications as may be necessary.

Supplementary Drawings.

Section No. 5. In addition to the contract drawings already mentioned, the Commission has had prepared a set of maps and drawings, bearing the same seal and general title as the contract drawings, but designated as Supplementary Drawings. These supplementary drawings exhibit certain information which the Commission has received from its Engineer of the general nature of the soil underlying portions of the route, the nature and position of surface, subsurface and elevated railroads, water mains, gas and other pipes, sewers, electric subways, manholes, hydrants, catch basins and other surface, subsurface and overhead structures.

Supplementary Drawings may be Examined.

Section No. 6. 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. The Contractor may have copies (blue-prints) of these supplementary drawings for such aid, if any, as may be derived from them, on payment of the cost of blue-printing.

In Case of Difficulties on Supplementary Drawings.

Section No. 7. If in the prosecution of the work difficulties of any nature be encountered which are not indicated or suggested by the supplementary drawings or by the samples of the test borings or if additional surface, subsurface or overhead structures or obstructions be discovered or if any surface, subsurface or overhead structures or obstructions be found of different size or in different positions or of different nature from those shown on the supplementary drawings or if in any other way such supplementary drawings be found erroneous, incomplete or misleading, the Contractor shall take every necessary or proper precaution to overcome the unforeseen difficulty, and shall support, maintain, protect, remove, relay, adjust or readjust, as the case may be, the additional or different surface, subsurface or overhead structures according to the direction of the Engineer, and as provided in this contract and these specifications.

Specifications Do Not Include All Requirements.

Section No. 8. The specifications do not include all requirements, but are requirements in addition to those elsewhere given or provided in this contract. The specifications and the other provisions of this contract and the contract drawings are intended to be explanatory of each other. Should, however, any discrepancy appear or any misunderstanding arise as to the import of anything contained in either, the explanation of the Engineer shall be final and conclusive.

Subdivisions of Specifications.

Section No. 9. These specifications are grouped in subdivisions as follows:

1. Brief Description of the Work.
2. General Clauses.
3. General Manner of Prosecution and Maintenance of Traffic.
4. Street Railroad Tracks, Mains and other Surface, Subsurface and Overhead Structures.
5. Excavation.
6. Backfilling.
7. Piling and Timbering.

8. Cement.
9. Mortar.
10. Masonry.
11. Concrete.
12. Brick Masonry.
13. Stone Masonry.
14. Waterproofing.
15. Steel and Iron.
16. Painting.
17. Drains and Pumps.
18. Sewers.
19. Requirements for Pipes.
20. Ducts.
21. Conduits.
22. Surfaces Restored.
23. Gratings, Hand-rails, etc.
24. Special Matters.

SUBDIVISION 1.

BRIEF DESCRIPTION OF THE WORK.

General Nature.

Section No. 10. The Railroad is to be an underground railroad or subway. The general details of construction and the location of the various tracks, junctions, grades, etc., are indicated more particularly on the contract drawings.

The Contractor will not be required to provide or lay tracks, ties or ballast under this contract.

Stations to Be Constructed.

Stations are to be constructed at such places as are indicated on the drawings, but station finish work is not included in the work to be done under this contract. Station construction must, however, be kept so advanced that station finish contractors can complete their work coincidently with the completion of the Railroad.

Incidental Work.

Section No. 11. In addition to the construction of the Railroad, it will be necessary to do various incidental work which is generally referred to in Article X hereof.

Ventilating Chambers and Grating.

Section No. 12. In order to provide for a frequent renewal of air in the Railroad, chambers for the installation of necessary ventilating devices shall be built at the sides of the Railroad and in connection therewith. These chambers shall be generally of the form and dimensions shown on the drawings, varying somewhat with the requirements of local conditions. They will be so arranged that the air will discharge through gratings placed generally in the sidewalks in the roofs of the chambers. If, owing to local conditions, it becomes necessary to lead the air to gratings or other outlets away from the chambers, suitable air-ways, ducts or flues shall be constructed.

The chambers will be built at the places and as indicated on the drawings.

Payment for Chamber Doors.

The chambers will be provided with suitable steel doors and with steel ladders reaching to the street for use as exits in case of emergency. Such doors and ladders will be paid for as riveted steel, Schedule Item 19.

Partition Walls.

Also in connection with the ventilation of the Railroad partition walls shall be constructed between the tracks.

Refuge Niches.

Openings, or refuge niches, shall be provided in all partition walls at suitable intervals.

At stations the walls between the tracks will be omitted.

Other openings with gratings will be built at or over the stations, for the purpose of admitting air to the Railroad.

SUBDIVISION 2.

GENERAL CLAUSES.

Prevention of Water Percolation.

Section No. 13. It is the very essence of these specifications to secure a railroad structure underground which shall be free from the percolation of ground or outside water. The mixing and placing of the concrete and the placing and protection of the waterproofing shall be with this end in view.

Best Quality of Work.

Section No. 14. All materials and workmanship must be of the best class in every respect, and the Engineer is to be the sole judge of their quality and efficiency.

Rapidity and Safety.

Section No. 15. All the work shall be prosecuted in the manner, according to local conditions, best calculated to promote rapidity in construction, to secure safety to life and property and to reduce to the minimum any interference with abutting property and the public travel. Decking of the streets, paving, or other surface work affecting, or affected by, street traffic shall be prosecuted during such hours as will reduce such interference to a minimum. Night work shall be conducted, in accordance with the directions of the Engineer, so that annoyance to occupants of abutting property shall be reduced to a minimum, and the Engineer may, if in his judgment conditions so require, direct that night work be omitted.

Contract Section Part of System.

Section No. 16. The Railroad forms part of an extensive rapid transit railroad system, which the interests of the City imperatively require shall be completed and put into operation without delay. If the Contractor shall not prosecute his work in such manner as to make it probable in the judgment of the Engineer that the work will be completed within the time limited, the Contractor, if directed by the Commission, shall increase the number of shifts and the number of men in each shift to such extent as may be necessary to insure the completion of the work within the time required by this contract or within the shortest possible time thereafter.

Emergencies.

Section No. 17. In case of emergencies involving danger to life or property, continuous work with an increased force may be ordered by the Engineer for such time as may be necessary.

Permits.

Section No. 18. No work shall be begun until the Commission shall issue to the Contractor a permit authorizing him to proceed. No permits for excavation will be issued until the Contractor has given satisfactory assurance to the Engineer that the structural steel and other material needed for construction will be available. The Contractor must conduct his work so as to avoid advancing the excavation at any place ahead of the delivery on the work or on property owned or leased by the City of the structural steel required for such place, unless otherwise permitted by the Engineer. If the Contractor elects, and is permitted to advance the excavation ahead of such steel delivery, it will become necessary for him to support and maintain the trenches until the steel can be obtained; this he shall do entirely at his own risk and expense. The permits are to be in such form and shall cover such portions of the work as the Commission shall prescribe.

When to be Filed with Borough President.

Section No. 19. Before any opening is made in the surface of a street, a copy of the permit issued by the Commission shall have been filed with the Borough President not less than five (5) days, unless the Engineer shall expressly direct work to begin within a less period.

Notice Regarding Commencement of Work.

Section No. 20. At least one (1) week before commencing work on any part of the route, whether on the Railroad or on the sewers lying off the line of the Railroad, the Contractor shall give notice in writing to the Engineer of his intention to commence such operations; and at least one (1) week before commencing or resuming manufacture of any article called for by these specifications, the Contractor shall give notice in writing to the Engineer of his intention to commence or resume such manufacture, with the name and address of the maker and the amount and description of the material to be manufactured.

Shafts and Dumping Platforms.

Section No. 21. Detailed drawings showing the proposed location and proposed methods of construction of shafts, dumping platforms and all other appurtenances in connection with the shaft working plants shall be submitted to the Engineer and must receive his approval before permits will be granted for such plants and appurtenances to be constructed and put into operation.

City Ordinances and Regulations to be Observed.

Section No. 22. In all operations connected with the Works, all ordinances of the City and of the Board of Health and all laws of this State which are applicable to and control or limit in any way the actions of those engaged in the work or affecting the materials belonging to them shall be respected and strictly complied with, and the Contractor shall further strictly comply with all applicable Federal, State and Municipal regulations regarding the transportation of materials in and around the City and Harbor of New York.

Requirements of Borough President, Etc., to be Observed.

Section No. 23. Whenever the construction of the Works under the provisions of this contract shall interfere with, disturb or endanger any sewer, water pipe, gas pipe, or other duly authorized subsurface structure, the work of construction at such points shall be conducted in accordance with the reasonable requirements of the Borough President or the Commissioner of Water Supply, Gas and Electricity or other officer or local authority having the care of and the jurisdiction or control over such subsurface structures so interfered with, disturbed or endangered.

Building and Water Permits, Shut-offs for Water Pipes, Etc.

Section No. 24. The Contractor shall at his own cost procure all permits necessary or requisite for the underpinning of buildings and the reconstruction thereof; he shall, at his own cost, provide for the water supply necessary for his work and he shall bear the cost of any inspection charge in connection therewith. He shall bear the cost of all work, labor and materials in connection with bagging, cutting and capping and installing circulation connections and temporary drips for gas pipes where in the opinion of the Engineer it is necessary to cut off the supply of same, and also in connection with replacing and restoring such pipes to their original condition, except where it is necessary to resort to by-passing as provided in Section No. 52, and of the shutting off and restoration of the flow in water mains where such work applies to the maintenance and support thereof as provided in Section No. 59.

Storage on Cross-Streets.

Section No. 25. On cross-streets adjacent to the work only such material may be stored as may be necessary, in case of an emergency, to sheet or to support the excavation; or a reasonable amount of such structural and other material as may be absolutely necessary to avoid delay in construction may be stored; such material must not be allowed to accumulate, but must be replenished from day to day. The amount to be so allowed shall be determined by the Engineer.

No material of any nature shall be stored along the streets occupied by the Railroad.

Material Stored.

Section No. 26. Excavated sand, gravel or stone that in the judgment of the Engineer is suitable for use in mortar concrete or masonry, also structural or other material to be used in the work, may be stored in such locations other than the surface of streets for such periods as may be approved by the Engineer.

Approval of Engineer Revocable.

Section No. 27. In any case material may be stored only with the approval of the Engineer, revocable at any time; and if so ordered, such material shall be removed immediately on receipt of the order, or within a period of time to be therein stated.

Access to Fire Hydrants.

Section No. 28. Wherever the work is being carried on, free access must be given to every fire hydrant and fire alarm box, and when required, hydrants shall be extended by suitable tube or piping to an accessible point as approved by the Engineer and to the satisfaction of the Chief of the Fire Department. Materials must not be piled at any time or place within ten (10) feet of any fire hydrant or fire alarm box; and where materials are unavoidably piled or placed in the vicinity of a fire hydrant or fire alarm box, and to such height as to prevent the same from being readily seen, the position of such hydrant or fire alarm box shall be indicated by suitable signals, both day and night.

Fire Alarm Telegraph System to be Safeguarded.

The Contractor shall guard, maintain and protect the existing wires, cables, ducts, manholes, posts and poles of the Fire Department. He shall not cause the interruption of the existing Fire Department Fire Alarm Telegraph service. No Fire Department wire, cable, duct, manhole, post or pole shall be disturbed except in the presence of a representative of the Bureau of Fire Alarm Telegraph. In case any such wire, cable, duct, manhole, post or pole shall be disturbed, it shall be restored to its original condition by the Contractor at his own expense.

Work to be Cleared.

Section No. 29. The Contractor shall at his own expense keep the work, streets and all public places occupied by him clear of all refuse and rubbish that may accumulate from any source whatever and leave them in a neat condition; but this is in no way to be construed as placing upon the Contractor the usual duties of the Street Cleaning Department.

Assistance to be Rendered to Owners of Buildings.

Section No. 30. Where access to any adjacent property is temporarily cut off, owing to the occupancy of the street by the Contractor, he must, at his own cost, render every assistance to the owner or occupant in handling such materials of any description, including all material to be removed by the Department of Street Cleaning, as may have to be taken to or removed from such property; such material shall be taken to or from the nearest accessible point that in the opinion of the Engineer is convenient for handling.

Waste Material.

Section No. 31. Waste material of any character will under no conditions be permitted to remain on the streets, but must immediately on its becoming unfit for use in the work be carted away and disposed of by the Contractor as hereinbefore provided; nor shall such materials be allowed to accumulate in the trenches.

Conveniences for Men.

Section No. 32. Necessary conveniences, properly secluded from public observation, shall be constructed and maintained by the Contractor at his own expense wherever needed for the use of the Contractor's employees, to the satisfaction of the Engineer and the sanitary authorities.

Fences.

Section No. 33. Wherever necessary the Contractor shall erect and maintain at his own expense fences for the protection of adjoining property and of the adjoining public places.

Advertisements Forbidden.

Section No. 34. The using of fences and buildings during construction for advertising purposes, other than the name and address of the Contractor, is forbidden; all temporary buildings and fences erected by the Contractor shall be neat in appearance and shall be painted as directed by the Engineer.

Barricades.

Section No. 35. Barricades and bridges shall be erected by the Contractor at his own cost, for the protection of the work or use of the public; they shall be substantial in character and neat in appearance.

Construction Drawings.

Section No. 36. The Engineer will prepare and furnish to the Contractor, from time to time as required, drawings amplifying such details of the contract drawings as may be necessary and drawings necessary to show the adjustment and reconstruction of all surface, subsurface and overhead structures wherever the reconstruction of the same is necessitated by the construction of the Railroad. These drawings must be strictly followed, unless local conditions should develop during construction, suggesting changes, when, with the approval of the Engineer, such changes may be permitted.

Working and Shop Drawings.

Section No. 37. The Contractor shall make all working or shop drawings which may be required in addition to the contract drawings, or in addition to such other drawings as the Commission may issue in amplification of such contract drawings, as explained above. All working or shop drawings shall be submitted in duplicate to the Engineer for his approval, which approval shall be indicated by his countersigning one set of such working or shop drawings and returning the same to the Contractor. Should the working or shop drawings be not approved by the Engineer, then the Engineer shall return one set of such working or shop drawings, with the necessary corrections and changes indicated thereon; and the Contractor must make corrections and changes, and again submit drawings in duplicate for the approval of the Engineer; and no work called for by said working or shop drawings shall be done until the approval of the Engineer be obtained, which must be given or refused within twenty (20) working days after delivery to him at his office of such drawings in duplicate. Immediately upon final approval of such working or shop drawings by the Engineer, the Contractor shall furnish the Commission with four (4) additional copies of such approved drawings.

Lines and Grades.

Section No. 38. During the progress of the work the Commission will give, through the Engineer, to the Contractor, suitable points, marks or benches, indicating the line and grade of the Railroad and of the sewers; such points or bench marks to be established at such intervals as the Engineer deems necessary for the Contractor to be able to perform his work. The principal lines and grades are to be given by the Engineer, who may change them from time to time as may be authorized and directed by the Commission. The stakes and marks given by the Engineer shall be carefully preserved by the Contractor, who shall give to the Engineer all necessary assistance and facilities for establishing benches and plugs and for making measurements.

Notice, How Given.

Section No. 39. Orders may be given by the Engineer to, and shall be received and promptly obeyed by, the superintendent or overseer of the Contractor who may have charge of the particular work in relation to which the orders are given, and a confirmation in writing of such orders will be given to the Contractor by the Engineer if so requested.

Imperfect Work.

Section No. 40. Any imperfect construction which may be discovered before the final acceptance of the work shall be corrected immediately on the requirement of the Engineer and at the Contractor's expense, notwithstanding that it may have been overlooked by the Inspector.

Damaged Work to be Replaced.

Section No. 41. All work of whatever kind which during its progress and before its final acceptance shall become damaged from any cause shall be broken up or removed and be replaced by good and sound work at the Contractor's expense.

Condemned Material to be Removed.

Section No. 42. If any material brought on the ground for use in the work or selected for the same shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials as may be directed by the Engineer.

Competent Men.

Section No. 43. The Contractor shall employ only competent, skillful and faithful men to do the work. Whenever the Engineer shall notify the Contractor in writing that in his opinion any man on the work is incompetent, unfaithful or disorderly, such man shall be discharged from the work and shall not again be employed on it.

SUBDIVISION 3.

General Manner of Prosecution and Maintenance of Traffic.

Access to Buildings, Etc.

Section No. 44. No building shall, without the consent of the occupant and without notice to the Engineer, be deprived of means of access thereto; and where streets are open suitable bridges shall be built and maintained, at the Contractor's expense, to permit owners and occupants to reach their premises. Where necessary, proper and easy means for passengers to reach and leave street cars shall be maintained.

Conduct of Work.

Section No. 46. Generally, the Contractor will be permitted to conduct his work in the most expeditious manner possible, having due regard for the safety of persons and property and facilities for traffic and under such instructions as the Engineer may give from time to time.

Facilities for Travel.

Section No. 47. All necessary facilities are to be furnished by the Contractor for the benefit of street travel, both on longitudinal and cross streets.

Decking of Streets and Sidewalks.

Section No. 48. In order to provide the minimum interference with traffic and the minimum inconvenience to abutting property owners, during the construction of the Railroad, on all parts of the work the streets and sidewalks shall be substantially decked or covered over, and every precaution must be taken to keep traffic free from interruption.

Street Intersections.

Section No. 49. The street intersections, except in cases where open trench excavation without cover is permitted, shall be kept at all times open for traffic for their full width. The street intersections in cases where open trench excavation without cover is permitted must be kept at all times open to traffic for at least one-half the width of the cross-roadway, except that cross-roadways in which surface railroads are located shall be kept at all times open to traffic for their full width.

Where portions of a street intersection are opened, the same shall be substantially and neatly bridged for foot traffic. In all cases the Contractor shall at all times keep all the street crossings on the lines of the sidewalks in a clean and neat condition, bridging gutters and low places where water might collect.

Close Observance of Above Requirements.

Section No. 50. The Commission will insist upon the close observance of the above requirements, and no departure therefrom will be allowed, excepting upon the written permission of the Commission.

Openings for Ventilation.

Section No. 51. Wherever the excavations are decked, or where gases are liable to accumulate, suitable openings shall be provided for proper ventilation.

By-passing Gas Mains.

Section No. 52. Wherever the excavations are decked, all gas pipes the services of which cannot temporarily be dispensed with shall be by-passed, if directed by the Engineer: temporary pipes to take their place being laid upon, above or below the street or sidewalk surfaces. These temporary by-passing pipes, if laid upon or below the street surface, will be paid for at the prices stipulated in Schedule Item 99-A. If laid above the street or sidewalk surface, they will be paid for at the prices stipulated in Schedule Item 99-B. These prices are to include the cost of all excavation, backfilling, temporary paving (including maintenance of same), and the restoration of the permanent paving both upon the completion of the by-passing installation and upon the restoration of the original system, and all bagging, cutting and capping and installing circulation connections, and all other work, labor and material of whatever character necessary to provide a temporary and independent system of gas supply to take the place of the system originally in the street; to connect such temporary system with the mains in the intersecting streets where necessary; to transfer all house and lamp services to such temporary system where necessary; to remove and dispose of the material of such temporary system and to restore the original system; and no other allowance will be made therefor under any other Schedule Item or otherwise. No allowance will be made for the maintenance of such temporary system. All maintenance will be considered as of the original system, and will be as provided for in Section No. 59. The material of the temporary system shall upon removal become the property of the Contractor. All pipe included in Schedule Item 99-A shall be wrought iron of a quality and manufacture to be approved by the Engineer. If laid on a trestle, (Item 99-B) the pipes shall be flanged, or of other approved connection, and sizes twenty (20) inches in diameter or less shall be rolled wrought-iron pipe.

Temporary Pipes, etc.

Section No. 53. Temporary pipes, if laid upon or above the street or sidewalk surfaces, shall be neatly and substantially placed in a manner to cause the minimum of inconvenience to the abutting property owners and to the public. Where by-passing pipes are to cross a street overhead, the trestles must be of such a height as to give a minimum clear head room underneath the pipe and its supports of fourteen (14) feet.

The trestle shall be measured along its center line, from out to out of end bents, and shall be paid for per lineal foot of trestle so measured, whether one or more pipes are supported thereon.

The trestles to support by-passing pipes shall be of a design approved by the Engineer and shall be painted an approved color.

SUBDIVISION 4.

Street Railroad Tracks, Mains and Other Surface, Subsurface and Overhead Structures.

Notice to Be Given to Interested Parties.

Section No. 55. Notice is to be given by the Contractor to all individuals, companies and the proper city officials, owning or having charge of surface, subsurface or overhead structures along any part of the work, of his intention to commence operations along such part of the route, at least one (1) week in advance, and the Contractor shall file with the Engineer at the same time a copy of said notice; and he shall co-operate with the proper parties, officers or officials in charge of such structures and shall furnish them with all reasonable facilities to inspect the methods of caring for their property.

Plans for Rearrangement Procedure.

Section No. 56. In the rearrangement of surface, subsurface or overhead structures requiring removal and relaying or reconstruction due to interference with the railroad structure a tentative drawing will be made by the Engineer, which will be submitted to the parties interested; if any reasonable changes are then requested by any of the said parties within ten (10) days after the submission of the tentative drawing, such changes will then be made, if in the judgment of the Engineer they will best conserve the interest of all parties concerned; a further drawing will then be made which, on the approval of the Engineer, will be final.

Reconstruction or Relaying, etc.

Section No. 57. Whenever it becomes necessary to cut, move, change, or reconstruct any surface, subsurface or overhead structures, or connections therewith, such work shall be done according to the reasonable satisfaction of the owners of such structures.

Reasonable Dispatch.

Section No. 58. All work of reconstruction or alteration shall be done with reasonable dispatch, and facilities are to be provided so that said work will interfere as little as possible with the practical working and use of such structures.

Maintenance, Supports, etc. Protection from Injury.

Section No. 59. The Contractor shall at all times, by suitable bridging or other supports, maintain and support in an entirely safe condition for the usual service and to the reasonable satisfaction of the owners, all surface, subsurface and overhead structures and all their appurtenances encountered or affected during the prosecution of his work; if the maintenance of such usual service makes it necessary, the Contractor shall temporarily remove and relay or reconstruct any such surface, subsurface and overhead structure and shall restore the same prior to the completion of this contract. Also, in order that access may be had in emergencies to gates or valves on water or gas mains and to electric manholes, where such gates or valves and manholes are decked over, trap doors of a suitable size shall be provided in the decking. All surface, subsurface and overhead structures and their appurtenances, and all surfaces of whatever character along the line of the work shall be protected from injury, and the Contractor shall fully restore such surface, subsurface and overhead structures and their appurtenances or surfaces to, and shall leave them in, as useful, safe, durable and good condition as existed before construction was begun. All the above, including also all changes of surface, subsurface and overhead structures and their appurtenances made by the Contractor for his own convenience in executing his work, shall be done at the Contractor's own expense and shall be deemed to be included in the prices stipulated in the Schedule for excavation except as otherwise herein specifically provided.

Necessary Permanent Changes of Pipes.

Section No. 60.

(1) Changes of water, gas or other scheduled pipes, made necessary because of physical interference of such scheduled pipes with the railroad structure, and requiring the removal, relaying or reconstruction of such scheduled pipes in other than the original position, will be paid for at the prices stipulated in Schedule Items 79, 82, 84, 85, 87, 90 to 98 inclusive, 102 to 106 inclusive and 125. These prices are per lineal foot of such scheduled pipes laid, including the removal, relaying or reconstruction of all their service connections, all other appurtenances of whatever character and all other work, labor and material incidental thereto made necessary because of the physical interference of such scheduled pipes with the Railroad structure, and no other allowance will be made therefor under any other Schedule Item or otherwise; excepting that:

Payment for New Pipes.

(2) If new pipes have to be provided to take the place of such scheduled pipes and are ordered by the Engineer, such new pipes will be paid for in addition to the price paid for laying, etc., at the prices stipulated in Schedule Items 100, 101, 107, 108, and 126-C, which prices are to cover the cost of the delivery of the new pipes actually used as measured in place in the work, and the removal and disposal of the old pipes. This does not relieve the Contractor, however, of his obligation to preserve all pipe that is in good condition and can be reclaimed and used, in order to avoid the necessity whenever possible of providing new pipe.

Payment for Excavation Outside Net Lines.

(3) If such scheduled pipes in their new locations are outside of the ordered net lines of excavation for the Railroad structure necessitating additional excavation and restoration of street surface, such excavation will be paid for at the price stipulated in Schedule Item 2-A (which price shall include all the matters referred to in Section No. 92) and such restoration of street surface will be paid for at the prices stipulated in Schedule Item 30 (a), (e) and (f), *but only for such width as is prescribed in Section No. 61 for the excavation to be paid for.* Any additional excavation and restoration of street surface outside of the ordered net lines of excavation for the Railroad structure necessitated for service connections and for other appurtenances for scheduled pipes located either inside or outside the ordered net lines of excavation for the Railroad structure will not be measured or paid for separately, but compensation therefor will be deemed to be included in the prices for excavation and street surface restored specified in this subdivision (3) and in the prices for scheduled pipes specified in subdivision (1) of this Section No. 60.

Changes of Service Connections and Payment For.

(4) Changes of the service connections of such scheduled pipes made necessary because of the physical interference of such service connections with the railroad structure, whether the main pipe line is or is not changed, will be paid for at the prices stipulated in Schedule Items 88-A and 99-D which prices are for each such service changed and are to include the cost of all connections, all wrought-iron pipe sleeves of whatever description, insulation where necessary, all appurtenances of whatever character and all other work, labor and material incidental to the removing, relaying or reconstructing of such service connections, and no other allowance will be made therefor under any other Schedule Item or otherwise.

Measurements in Pipe Excavation.

Section No. 61.

(1) In the estimate and payment for each excavation for pipe laying, allowance will be made for a width of trench two (2) feet wider than the interior diameter of the pipe and a depth six (6) inches deeper than the invert of the pipe, measured from the surface of the street on the line of the trench. Where, in the opinion of the Engineer, the trench for laying pipes thirty (30) inches or more in diameter requires to be close sheeted, allowance will be made in the estimate for payment for earth excavation for a width of trench three (3) feet wider than the interior diameter of the pipe, when the trench is so sheeted.

(2) For the building of valve chambers and other structures and for the setting of valves, valve boxes and hydrants, the total excavation to be allowed will be that within vertical planes one (1) foot outside of the outside lines of such structures, valves, valve boxes or hydrants, the depth being taken as the distance from the street surface to the lowest part of the structure or appurtenance.

(3) At the intersection of two trenches or at the intersection of a pipe or other trench with an excavation made by the Contractor under orders from the Engineer, for any purpose whatsoever, the cubical contents of the intersection will be allowed only once. Under no circumstances will a double allowance be made for any excavation.

Necessary Permanent Changes of Electric Conduits and Ducts.

Section No. 62.

(1) Changes of electric conduits or ducts found in the street (other than street railway ducts, payment for which is provided in Schedule Item 75) made necessary because of physical interference of such conduits or ducts with the railroad structure, and requiring the removal, relaying or reconstruction of such conduits or ducts in other than their original position, will be paid for at the prices stipulated in Schedule Items 127 and 127-A. The price per duct foot as provided in Schedule Item 127 is to include the cost of conduits or ducts in place (except wrought-iron pipe ducts), of furnishing any new conduits or ducts which may be necessary, of all manholes, vaults, service boxes and their appurtenances, of drawing cables and providing new cables where necessary, of relaying and reconstructing of all services and all other work, labor and material incidental to and necessary for the completed conduit or duct lines, made necessary because of the physical interference of such conduits or ducts with the Railroad structure, and no other allowance will be made therefore under any other Schedule Item or otherwise excepting that:

Payment for Excavation Outside of Net Lines.

(2) If such conduits or ducts in their new locations are outside of the ordered net lines of excavation for the Railroad structure, necessitating additional excavation and restoration of street surface, such excavation will be paid for at the price stipulated in Schedule Item 2-A (which price shall include all the matters referred to in

Section 92) and such restoration of street surface will be paid for at the prices stipulated in Schedule Item 30 (a), (e) and (f), but only for such width as is prescribed in subdivision (5) of this Section No. 62 for the excavation to be paid for. Any additional excavation and restoration of street surface outside the ordered net lines of excavation for the Railroad structure necessitated for service connections and for other appurtenances of conduits or ducts located either inside or outside the ordered net lines of excavation for the Railroad structure will not be measured and paid for separately, but compensation therefor will be deemed to be included in the prices for excavation and street surface restored specified in this subdivision (2) and in the prices for conduits or ducts specified in subdivision (1) of this Section No. 62.

Changes of Service Connections.

(3) Changes of the service connections of such conduits or ducts made necessary because of the physical interference of such service connections with the railroad structure, whether the main conduit or duct line is or is not changed, will be paid for at the price stipulated in Schedule Item 127-C, which price is for each such service changed and is to include the cost of all connections, all wrought-iron pipe sleeves of whatever description, all appurtenances of whatever character and of all other work, labor and material incidental to the removing, relaying or reconstructing of such service connections, and no other allowance will be made therefor under any other Schedule Item or otherwise.

Iron Pipe Ducts.

(4) Wrought-iron pipe ducts (including Edison tube mains) will be paid for at the prices stipulated in Schedule Item 127-A, which prices are to include all the work, labor and material specified under Schedule Item 127.

Measurements in Conduit and Duct Excavations.

(5) In the estimate and payment for excavation for conduit and duct laying and for the building of manholes, vaults, service boxes and their appurtenances, allowance will be made for a width of trench eight (8) inches wider than the duct bank or other structure, the depth measured on the line of the trench being taken as the distance from the street surface to the lowest part of the structure.

Maintenance of Railroads.

Section No. 63. The Contractor shall maintain and support, in a manner that will cause the minimum interference with traffic, all surface, subsurface and elevated railroads along the line of or crossing the line of the work.

Surface Railroads.

The Contractor shall maintain and support, both temporarily and permanently, in a safe condition all street surface railroads, including ducts, cables and all other appurtenances of such railroads; he shall rebuild either in their original or in new locations all parts of such surface railroads, including ducts, cables and all other appurtenances of such railroads whose reconstruction or rebuilding may be necessitated by the construction of the work. Payment therefor (including the cost of such work in the cases of on and off line sewer trenches) will be made at the prices stipulated in *Schedule Item* 75, which prices will include the cost of all work, labor and material incidental thereto, and no other allowance will be made therefor under any other *Schedule Item* or otherwise. Where permanent masonry supports are required and added, and where additional vaults in excess of the number existing are required and constructed to give equivalent facilities, they will be paid for at the prices given in the Schedule for the several classes of work or material applicable thereto.

Elevated Railroads.

The Contractor shall maintain and support both temporarily and permanently in a safe condition all elevated railroads and their appurtenances, including the reconstruction and building where necessary of all column foundations and parts of column foundations lying within and without the net lines of the Railroad structure. Payment therefor (including the cost of such work in the cases of on and off line sewer trenches) will be made at the price stipulated in Schedule Item 76, which price will include the cost of all incidental work, labor and material, and no other allowance will be made therefor under any other Schedule Item or otherwise.

Subsurface Railroads.

The Contractor shall maintain and support, both temporarily and permanently in a safe condition all subsurface railroads and their appurtenances. Payment therefor will be made at the prices stipulated in Schedule Items 76-B, 76-C and 76-F. (See Section No. 427.)

Facilities to be Given Owners to Make Extensions.

Section No. 64. In the event of the owners or the City desiring to make any addition, alteration or extension to their structures or to do any work to or in connection with surface, subsurface or overhead structures owned by them or it or to lay any new structure in or across a street occupied by the Works at the time the work under this contract is in progress, the Contractor by written permission shall give said owners or the City all reasonable opportunity to perform such work; provided such work or alteration for the benefit solely of the owners of subsurface structures does not cause the Contractor any serious loss or delay, as shall be determined by the Commission. The written permission from the Contractor, with three prints of plans or sketches or a description indicating the proposed work in detail, shall be submitted to and approved by the Engineer before any work shall be proceeded with under such written permission.

SUBDIVISION 5.

EXCAVATION.

Width of Excavation.

Section No. 65. Special care must be taken to avoid damage wherever excavation under cover is being done or where open excavation is permitted. The width of such excavation shall not exceed the width actually necessary, in the opinion of the Engineer, for the proper prosecution of the work. All excavations shall be of such width, in addition to that of the Railroad, as shall be necessary, in the opinion of the Engineer, for the proper and expeditious progress of the work, and to permit the laying and readjusting of all sewers, mains, subways and other subsurface structures encountered along the route and contiguous to the Railroad.

Depth of Trenches.

Section No. 66. Trenches shall be excavated 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.

Sides to be Secured.

Section No. 67. The sides of the excavations shall be secured against slips by suitable sheet piling or sheeting, held in place by braces, shores or waling timbers, special precautions being taken where there is additional pressure, due to the presence of buildings or other structures. Where a movement of the ground might cause the settlement of an adjacent building, the sheeting must be started, if near the building, before the elevation of the bottom of the foundation of the building is reached; if away from the building, at such depth of the excavation as the Engineer may permit; and the excavation must not be made in advance of or below the bottom of the sheeting.

Filling Back of Sheeting.

Section No. 68. Sheeting shall be driven wherever possible, but when it is placed against the sides of the excavation, the spaces or voids back of the sheeting must be immediately and carefully filled with suitable material to prevent as far as possible the natural ground back of the sheeting from moving.

Buildings Underpinned Within Certain Limits.

Section No. 69.

(1) The Contractor shall secure buildings adjacent to the excavation in accordance with Sections Nos. 67 and 68, in the case of buildings supported on firm soils when a slope represented by one (1) foot vertical to two (2) feet horizontal, inclined downward from the bottom outer edge of any building foundation, intersects or passes beneath the bottom outer edge of the completed Railroad structure; or

Underpinning Defined.

(2) When compliance with the provisions of Sections Nos. 67 and 68 pursuant to (1) above is not sufficient to secure adjacent buildings or when necessary to prevent improper pressure against the Railroad structure when completed, the Contractor shall safely and permanently underpin adjacent buildings the foundations of which are above the bottom of the adjacent subway excavation. By underpinning is meant such method of construction as will transmit the foundation loads directly through the underpinning structure to such lower level as is necessary to secure the buildings and which will relieve the adjacent ground from improper lateral pressures. The underpinning shall be designed to furnish a safe and permanent support for each independent building. To accomplish this result, the Contractor shall use such methods of underpinning, pneumatic o[r] otherwise, as special conditions may require and the Engineer shall approve; or

Securing Other Than Underpinning.

(3) The Contractor shall, subject to and only with the approval of the Engineer, in lieu of underpinning construct such form of permanent construction as may be necessary to maintain, protect and secure the adjacent buildings against displacements, provided the safety of the completed Railroad structure will not be endangered by improper pressures from such form of construction and such adjacent buildings.

Before the work is proceeded with, the Contractor shall submit to the Engineer drawings in duplicate indicating the proposed typical and special methods of underpinning or of maintaining, protecting and securing the adjacent buildings.

Payment for Underpinning and Securing.

Section No. 70. When underpinning of a building is necessary and the work is done as provided in (2) of Section No. 69, payment will be made to the Contractor as, and at the prices, provided in *Schedule Item* 4; when a building is maintained, protected and secured as provided in (3) of Section No. 69, payment will be made to the Contractor as, and at the price, provided in Schedule Item 4-E; except that payment for maintaining, protecting and securing or underpinning the buildings adjacent to the sewer along the northerly side of Canal Street from the westerly building line of Mulberry Street to a point about fifty (50) feet west of the westerly building line of Mott Street is included in the prices stipulated in Schedule Item 4-M; and when a building is secured as provided in (1) of Section No. 69, payment for the work shall be deemed to be included in the prices stipulated in the Schedule for excavation, as provided in Section No. 92. These prices, Items 4 and 4-E, are per lineal front foot of building underpinned or maintained, protected and secured. In the case of underpinning a building of varying stories in height the varying portions will be classified under and paid for at the price stipulated in the subdivision under Schedule Item 4 applicable to each portion. The lineal front foot measurement does not mean the perimeter measurement of a building front, along the lines of stoops, bay windows, etc., but the straight front measured along the line parallel to the street building line and at the sidewalk level. Where the excavation for the Railroad projects into a transverse street, as at stations, and it is necessary to underpin or to maintain, protect and secure a building, the lineal front foot measurement will be increased by the measurement in such transverse street within the limits of the Railroad. The prices are to include the payment for all work, labor and material of whatever nature required in connection with underpinning or with maintaining, protecting and securing the building proper, such as side walls, both interior and along transverse (except as noted above) streets; partition walls, both parallel and perpendicular to the building front; interior columns and any other work which may be required, and no other allowance will be made therefor under any other Schedule Item or otherwise. But the price is not to include the payment for underpinning or for maintaining, protecting and securing vaults, area ways, retaining walls, stoops or porches, but the payment for such work, when required shall be deemed to be included in the prices for excavation, Schedule Items 1 and 2. In cases where a building has not been underpinned or maintained, protected and secured but it is necessary to underpin and maintain, protect and secure vaults, areaways, retaining walls, stoops or porches in front of such building, the payment for such work shall be deemed to be included in the prices for excavation, Schedule Items 1 and 2. If ordered by the Engineer, the Contractor shall dig test pits alongside the building foundations to determine the necessity for underpinning or for maintaining, protecting and securing a building. Payment for such test pits will be made to the Contractor as and at the price provided in Schedule Item 2-A.

Payment for Sheeting.

Section No. 71. No payment shall be made to the Contractor for sheeting left in the ground or in the work, unless the Engineer shall in writing require it to be left in, in which case payment shall be made to the Contractor for the sheeting so left in as measured by the Engineer, and at one-half the current market price for new material of the same grade, character and dimensions, and without any allowance or payment for placing the same or the expense thereof. This section applies only to the sheeting in trench work.

Timber for Temporary Purposes.

Section No. 72. All timber used for sheeting, shoring, bracing, decking or other temporary purposes shall be sound and free from any defects that may impair its strength. It shall be provided, placed and removed at the Contractor's own cost and expense. The top or wearing surface of all decking used for carriageways shall be of hard yellow pine (unless otherwise permitted), sound, straight, and free from all shakes and large, loose knots. All sheeting and timber used temporarily shall be put in place by skilled mechanics, keyed tight by wedges where necessary, and so arranged as to be withdrawn readily without endangering the adjoining soil.

Vaults of Abutting Property.

Section No. 73. The removal, where necessary, of all walls and other parts of vaults of abutting property along the line of the Railroad that are within the ordered net lines of excavation shall be considered as earth excavation as provided in Section No. 87, but the restoration of all such walls and other parts of vaults originally within the ordered net lines of excavation, when, in the opinion of the Engineer, susceptible of classification, will be paid for at the unit prices specified in the Schedule applicable, in the opinion of the Engineer, to the several classes of work and material involved in such restoration; or, when, in the opinion of the Engineer, not susceptible of classification such work will be paid for under Article XII.

The above is not to be construed, however, as applicable to any work beyond the ordered net lines of excavation, which shall be done at the Contractor's own cost and expense.

Vaults Disturbed.

Section No. 74. Wherever vaults of abutting property are broken through or otherwise disturbed, the Contractor shall at his own cost and expense provide all materials for and erect a six (6) inch hollow tile wall laid in Portland cement mortar, as a temporary partition, on or about the building line, or as directed, that will afford proper protection to the owner or occupant of the adjoining premises. Upon the completion of the restoration of the vault such wall shall, unless otherwise directed, be immediately removed and disposed of by the Contractor at his own cost and expense.

Blasting.

Section No. 77. Whenever rock or material requiring blasting is encountered in any trench or tunnel, all necessary precautions must be exercised by the Contractor, as required by the ordinances of the City relative to blasting. Explosives shall be used only of such character and strength as may be permitted by the Commission, and the right is reserved for the Engineer to direct that in special cases ordinary blasting powder only, in small charges, shall be used. Blasting shall not be done between the hours of 11 P. M. and 7 A. M. without the express permission of the Engineer and then only under such restrictions as he may impose.

Storage of Explosives.

Section No. 78. No larger quantity of explosives shall be kept on the line of the work than will be actually required for the twelve (12) hours of work next ensuing, and it shall be kept under lock, the key to which is to be only in the hands of the foreman or other equally trustworthy person. The amount of explosives kept in any one place shall not exceed the limit permitted by any ordinance of the City or as may be determined by the Commission. Caps and exploders shall not be kept in the same place with dynamite and other explosives. During freezing weather, special precautions shall be taken as to the care and manipulation of dynamite.

Near Pipes and Mains.

Section No. 79. Whenever any subsurface structure is encountered in or alongside of the trench, right is reserved to direct that all boulders within five (5) feet of the same shall be removed by means other than blasting.

Excess Excavation.

Section No. 81. Any excess excavation in the bottom of the trench below the net line of excavation shall be replaced by a compacted backfill placed at the Contractor's own expense.

Pumping.

Section No. 83. Whenever water is encountered in trenches, the same shall be removed by bailing or pumping, great care being taken when pumping that the surrounding particles of soil be not disturbed or removed. If necessary to prevent such disturbance, the pumping must be done by a series of driven wells whose points are protected by fine wire cloths, the rate of flow at each well being made so slow as not to remove the particles of soil; or the pumping must be done by other means approved by the Engineer. The delivery from all pumps shall be conducted into the adjacent sewers, and the delivery pipes shall be so arranged as to be readily inspected at all times to ascertain if the water is free from particles of soil.

Carts to be Tight.

Section No. 84. All carts, buckets and other vehicles used by the Contractor for the removal of material, shall be tight and so arranged and so loaded as not to spill. Whenever a cart, bucket or other vehicle so used is leaky or unsuitable, it shall be immediately withdrawn from the work on notification by the Engineer.

Removed Expeditiously.

Section No. 85. Excavated material shall be removed expeditiously and disposed of, in any place selected by the Contractor, subject to the ordinances and regulations of the City authorities governing the disposal of such material and the regulations of the United States Government as to the disposal or dumping of material in and about or near the Harbor of New York.

When Excavated Material May be Taken by City.

Section No. 86. If at any time during the course of construction the City shall desire for city purposes any part of the material excavated, and the cost of such disposal shall not exceed the cost to the Contractor of the method in which he is then disposing of it, the Commission may order such material dumped or turned over to the City at a point designated without cost to the City.

Earth Excavation Defined.

Section No. 87. Earth excavation includes the excavation of all materials of whatever nature encountered in the trenches, excepting ledge rock in place and boulders whose volume within the ordered net lines of excavation is half a cubic yard or more each.

Excavation in Trenches, How Measured.

Section No. 88. The net outside width of the railroad structure, as ordered and indicated on the drawings, and the depth of the railroad structure, also as ordered and indicated on the drawings, are the ordered net lines of excavation and will govern as to width and depth in the measurements for payment for excavation for the Railroad, except as provided in Section No. 427. No deduction from the volume of excavation determined by the ordered net lines of excavation will be made on account of vault space or spaces occupied by pipes and other subsurface structures.

No Allowance Outside of Ordered Net Lines.

Section No. 89. There will be no measurement or allowance made nor money paid for excavation outside (below or wider than) the net measurement lines or excess rock excavation lines as above indicated; and no allowance shall be made for any excess excavation caused by slips or slides. It is understood and agreed that for all such matters the Contractor has estimated and allowed in the unit prices of the Schedule.

Change of Street Grade.

Section No. 90. When the contract drawings indicate that the grade of any street, park or parkway is to be raised, or when the Engineer shall order the grade to be raised, the Contractor shall fill in such places to the changed grade as required and such work shall be measured and paid for at the price stipulated for earth excavation, Schedule Item 1.

Payment for Excavation.

Section No. 91. Excavation shall be paid for at the prices stipulated in Schedule Items 1 and 2.

Price for Excavation to Include.

Section No. 92. The prices herein stipulated for excavation, Schedule Items 1 and 2, are to include the cost of the disposal of the materials excavated, of backfilling, of all decking and bridging, of all sheeting and bracing, and of maintaining and supporting of trenches during and after excavation, of all pumping or bailing, and of the maintenance and support, with all incidental work, labor and material of any kind, of all surface, subsurface and overhead structures and surfaces of whatever nature and their appurtenances, payment for the maintenance and support of which is not herein elsewhere *specifically* provided for under other Schedule Items or otherwise.

SUBDIVISION 6.

BACKFILLING.

Quality of Material. How Placed.

Section No. 93. The trenches at the sides of and over the top of the Railroad and wherever backfilling is necessary, including any void spaces of vaults or other structures below the ordered net lines of excavations, which it may be necessary to fill or grade in order to provide the subgrade for the railroad, shall be backfilled with sand, gravel or other good, clean earth, free from perishable material and from stones exceeding six (6) inches in diameter, and not containing in any place a proportion of stone of or below that size exceeding one (1) part of stone to five (5) parts of earth. The filling shall be compacted by flooding with water or, in cases where flooding with water is not practicable, it shall be compacted by ramming in layers, not exceeding six (6) inches in depth, as required by the Engineer.

Subsurface Structures.

Section No. 94. Whenever pipes, sewers or other subsurface structures are met with, the filling must be carefully packed, rammed and tamped under and about such subsurface structures, special tools being used for the purpose. No filling of trenches with frozen earth will in any case be permitted, nor will any filling be permitted over frozen material.

Sheeting Removed.

Section No. 95. As fast as the work of filling permits, sheeting and other timber supporting the sides of the excavation shall be carefully withdrawn, and the spaces left by the removal of such material carefully backfilled, but if directed by the Engineer, the sheeting shall be left in place.

How Paid For.

Section No. 96. The cost of backfilling is deemed to be included in the prices paid for excavation, Schedule Items 1, 2 and 2-A.

SUBDIVISION 7.

PILING AND TIMBERING.

Character of Piles.

Section No. 97. If, in the judgment of the Engineer, the ground is of such a character as to require piling, the Contractor shall drive such piles as the Engineer directs. The piles shall be of good, sound pine or spruce, or other acceptable timber, straight and free from shakes; they shall be not less than twelve (12) inches in diameter at the butt end, nor less than six (6) inches in diameter at the point, and shall be driven to the satisfaction of the Engineer and by means of a steam hammer driver if so required by him. If necessary, the points of the piles shall be protected by proper shoes, and the butts by rings or caps. Piles shall not be spliced unless permitted by the Engineer, and then in such manner as he directs. Piles shall be carefully cut off to the grade given by the Engineer.

Piles to Be Driven in Required Location.

Section No. 98. Piles shall be driven in the position and manner and to the depth ordered; if driven in a wrong position or injured in any way by driving they must be withdrawn and replaced by others. After being driven they shall be cut off to a true plane for proper adjustment with capping timber or masonry.

Payment for Timber Piles.

Section No. 99. The price herein stipulated to be paid per lineal foot of timber piles, Schedule Item 12, is to cover the cost of furnishing, driving and preparing the piles ready for the capping timbers or masonry, and the portion cut off and removed will not be included in the length measured for payment. No test piles, guide piles, or piles other than those that are a part of the finished foundation and are included within the net width of the finished foundation will be paid for.

Concrete Piles.

Section No. 100. If, in the judgment of the Engineer, special conditions so require, piles of reinforced concrete of an approved form of construction shall be used.

Payment for Piles Other than Timber Piles.

Section No. 101. Payment for piles other than timber piles will be as provided in *Article XII.*

Grillage.

Section No. 102. Timber grillage foundations shall be built if so directed by the Engineer.

Foundation Timber.

Section No. 103. All foundation timber shall be of pine or spruce, or other timber permitted by the Engineer, sound and free from shakes. It shall be of such dimensions, and laid in such manner, as the special plans to be issued shall require, and held in place by bolts, spikes or good, seasoned oak or locust treenails.

Foundation Timber, Measurement and Payment.

Section No. 104. No wastage is to be allowed for, and the estimate of the quantities of foundation timber used will be based on the amount ordered by the Engineer and placed according to his directions. Payment for foundation timber will be as provided in Schedule Item 13.

SUBDIVISION 8.

CEMENT.

Portland Cement.

Section No. 105. All cement used in the work shall be true Portland cement, by which is meant the finely pulverized product, resulting from the calcination to incipient fusion of a properly proportioned mixture of argillaceous and calcareous earths or rocks to which no addition greater than three (3) per centum has been made subsequent to calcination.

Brand to be Approved.

Section No. 106. Before any cement is furnished, the brand shall receive the approval of the Engineer. Cement, to be acceptable, shall be of a well-known brand which has been in successful use for large engineering works in America for at least five (5) years, and which has an established reputation for uniform character. Preference will be given to cements which, by their records, show a tendency to maintain high strength of mortar with increased age.

Inspection.

Section No. 107. Cement shall be subject to inspection at the place of manufacture or on the work, and to such tests as may be ordered by the Engineer. The Engineer or his representatives shall have access at all times and places to inspect the methods of manufacture, storage and protection, and shall have liberty to inspect the daily laboratory records of tests and analyses at the cement works.

Tests.

Section No. 108. In general, tests will conform to the methods recommended by the Committee on Uniform Tests of Cement of the American Society of Civil Engineers. Unless otherwise directed, samples will be taken at the place of manufacture by a representative of the Engineer, and sent to the Commission's laboratory, where the tests will be made. If required, tests will be made on the individual samples, without intermixing.

Specific Gravity and Color.

Section No. 109. The cement shall have a specific gravity of not less than 3.10 nor more than 3.25 after being thoroughly dried at a temperature of 212 degrees Fahr. The color shall be uniform, bluish gray, free from yellow or brown particles.

Chemical Analyses.

Section No. 110. Chemical analyses of cement made from time to time shall show a reasonably uniform composition. Cement shall not contain more than 1.75 per centum of sulphuric anhydride (SO3) nor more than 4 per centum of magnesia (MgO).

Fineness.

Section No. 111. The fineness of the cement shall be such that it shall leave by weight a residue of not more than eight (8) per centum on a No. 100, and not more than twenty-five (25) per centum on a No. 200 sieve; the wires of the sieves being respectively 0.0045 and 0.0024 inch in diameter.

Time of Setting.

Section No. 112. It shall not develop initial set in less than thirty (30) minutes unless a more quickly-setting cement is specifically required, and shall develop hard set in not less than one (1) hour nor more than ten (10) hours.

Soundness.

Section No. 113. Pats of neat cement, after remaining one (1) day in moist air, shall be kept in air or water of normal temperature for at least twenty-eight (28) days, or shall be exposed to an atmosphere of steam, above boiling water, in a loosely closed vessel for at least five (5) hours; and the separate parts under any of these conditions shall remain hard without any indications of checking, cracking, distortion, disintegration or blotching.

Tensile Strength.

Section No. 114. Neat cement briquettes shall have at the end of one (1) day in moist air a breaking strength, per square inch of sectional area, of not less than one hundred and fifty (150) lbs.; at the end of seven (7) days—one (1) day in air, six (6) days in water—of not less than five hundred (500) lbs.; at the end of twenty-eight (28) days—one (1) day in air, twenty-seven (27) days in water—of not less than six hundred (600) lbs. The strength at twenty-eight (28) days shall be not less than that at seven (7) days.

Mortar Briquettes.

Mortar briquettes, composed of one (1) part of cement and three (3) parts of standard Ottawa sand, by weight, shall have at the end of seven (7) days—one (1) day in air, six (6) days in water—a breaking strength, per square inch of sectional area, of not less than two hundred (200) lbs.; and at the end of twenty-eight (28) days—one (1) day in air, twenty-seven (27) days in water—of not less than three hundred (300) lbs. The strength at twenty-eight (28) days shall show an increase of not less than fifty (50) lbs. over the strength at seven (7) days.

Long Time Tests.

Section No. 115. Tests will be made from time to time extending over longer periods than twenty-eight (28) days. If such tests show a tendency to unsoundness or unusual reduction in strength with increased age, the Engineer shall have the right to prohibit the further use of that brand and to require that another brand be substituted.

Storage During Tests.

Section No. 116. All cement shall be held in storage to allow ample time for tests to be made before the cement is required for use in the work.

How Contained.

Section No. 117. Cement shall be packed and delivered in canvas sacks or other strong, well-made packages, plainly marked with the manufacturer's brand, and sealed in an approved manner. The weights of such packages shall be uniform.

Method of Storing.

Section No. 118. The Contractor shall at all times keep in store on the work, or at some point convenient thereto, an abundant supply of cement, so as to guard against possible shortage. It shall be stored in a weather-tight building, with a tight floor a proper distance above the ground, and with sufficient floor space to admit of storing each lot of cement, of not more than two hundred (200) barrels, or its equivalent, separately, so as to facilitate identification of each individual lot in case of necessity for further tests or rejection. Cement that has become partially set or otherwise damaged shall not be used.

SUBDIVISION 9.

MORTAR.

Cement and Sand. Mixing.

Section No. 119. All mortar shall be prepared from accepted cement and clean, sharp sand, approved by the Engineer. These ingredients shall be thoroughly mixed dry in the proportions as specified below; water shall then be added, so as to produce a stiff paste. Water used in mortar, grout or concrete must be clean, fresh water, no salt water being permitted. The mortar shall be freshly mixed for the work on hand, in proper boxes made for that purpose, and no mortar shall be used that has stood beyond such limit of time as may be determined by the Engineer.

How Measured.

Section No. 120. For purposes of mixture, three hundred and seventy-five (375) pounds of Portland cement shall be estimated at three and one-half (3½) cubic feet of volume. The proportions for brick and stone masonry shall be one (1) part cement to two (2) parts sand; for pointing, one (1) part cement and one (1) part sand; for concrete masonry, as specified under the head of concrete; and for other classes of work, as directed by the Engineer.

Grout.

Section No. 121. If required by the Engineer, a grout consisting of one (1) part fine, clean and sharp sand and one (1) part of Portland cement, shall be pumped in under pressure so as completely to fill all the voids in or behind the masonry.

Payment for Grout.

Section No. 122. Where grout is ordered and used, it shall be paid for at the price stipulated in Schedule Item 11.

SUBDIVISION 10.

MASONRY.

Laid in Portland Cement.

Section No. 123. All masonry, except as otherwise specified, shall be laid in Portland cement mortar, and shall be built to the forms and dimensions shown on the drawings, or as directed by the Engineer from time to time; and the system of joining or bonding ordered by the Engineer shall be strictly followed.

Water Not to Interfere With.

Section No. 124. Care must be taken that no water shall interfere with the proper laying of masonry in any of its parts.

Freezing Weather.

Section No. 125. During freezing weather no masonry shall be built unless properly protected against frost, and masonry shall not be built in exposed places where in the opinion of the Engineer it is impracticable to give such protection. During freezing weather or when there is frost in the materials to be used in the masonry, the materials shall be heated. The Contractor shall provide such appliances, subject to the approval of the Engineer, as are necessary for the heating of the sand, stone and other materials.

Protected in Freezing Weather.

Section No. 126. During freezing weather all masonry shall be protected by a suitable covering of salt hay, canvas, tarpaulin or by such material or in such ways as may be necessary to insure it against freezing.

Hot Weather.

Section No. 127. During hot weather all masonry, especially concrete, shall be kept wet by sprinkling and properly covered until it has become thoroughly set and hardened.

Pointing.

Section No. 128. Unless otherwise permitted, every joint that is to be pointed shall be raked out, within two (2) days after being laid, to a depth of at least two (2) inches.

Mortar for Pointing.

Section No. 129. Pointing of the face joints of masonry shall be thoroughly made with cement mortar mixed in the proportion of one (1) part of cement to one (1) part of sand, except where otherwise specially provided.

Season for Pointing.

Section No. 130. No pointing shall be done in freezing weather, and masonry laid between December 1st and April 1st shall not be pointed until permitted by the Engineer.

Defective Masonry.

Section No. 131. Any masonry which is found to be defective from any cause whatsoever, before the final completion and acceptance of the work, must be removed and properly rebuilt, or if damaged during such time must be properly repaired.

Stone Cleaned.

Section No. 132. All stone before being laid shall be thoroughly cleaned, and washed if so directed by the Engineer.

SUBDIVISION 11.

CONCRETE.

Concrete, How Composed.

Section No. 133. The concrete shall be composed of gravel or broken stone, or a mixture of both, free from all dust and dirt, and mixed together with the proportion of mortar specified below. The water used in mixing concrete must be clean, fresh water, no salt water being permitted.

Sand.

Section No. 134. Sand for concrete shall be of the kind herein specified for mortar

Stones.

Section No. 135. Stone for concrete shall be sound, clean gravel, or sound, hard broken limestone or trap rock, or a mixture of such gravel and broken stone. 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.

Section No. 136. The gravel or broken stone or the mixture of gravel and broken stone shall be graded from fine to coarse, and that which is all of one size, or practically so, shal 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 three-fourths (1¾) inches in diameter. Broken stone or gravel for concrete, graded as above, but between three-eighths (⅜) and three-fourths (¾) inch in diameter, may be required for use in special parts of the work.

Rubble Concrete.

Section No. 137. In concrete where the thickness is thirty (30) inches or more, if permitted by the Engineer, the Contractor may imbed in the same, pieces of clean, sound stone whose greatest diameter does not exceed twelve (12) inches and whose least diameter or thickness is not less than three-fourths (¾) of the greatest diameter. These stones shall be set by hand in the concrete as the layers are being rammed, and so placed that each stone is completely and perfectly imbedded. No two (2) stones shall be within six (6) inches of each other and no stones shall be within four (4) inches of an exposed face, nor shall any such stone be placed nearer than six (6) inches to any metal built in the concrete for reinforcing the same.

Proportions.

Section No. 138. The proportion of cement, sand and stone (or gravel) used in making concrete shall be by volume as cast into the measuring box and shall be as follows:

Section No. 139. Concrete in floor, sidewalls and roof one (1) part cement, two (2) parts of sand and four (4) parts of stone.

Section No. 140. Protective concrete outside of waterprofing lines on sides and roof, one (1) part of cement, two (2) parts of sand and four (4) parts of stone.

Mixing by Machine.

Section No. 141. Whenever practicable, concrete shall be machine mixed. A rotary machine of a pattern approved by the Engineer, and mixing only one batch at a time, shall be used. Concrete shall not be mixed on the street surface on the line of the work, unless specifically permitted.

Mixing by Hand.

Section No. 142. When concrete is mixed by hand the stone or gravel shall be spread on a platform in a bed about six (6) inches thick, and shall be thoroughly wet. Sand shall be spread on a platform and the requisite portion of cement spread on the sand. After thoroughly mixing the latter, the dry mixture thus formed shall be spread evenly over the bed of stone wet as above, and the whole turned over until thoroughly mixed, but not less than two (2) turnings on the mixing board shall be allowed in any case, water being added as necessary. Care shall be taken to keep the bed of concrete wet and avoid piling.

How Laid.

Section No. 143. Concrete shall be placed immediately after mixing in layers of such thickness as may be directed by the Engineer, and shall be thoroughly compacted throughout the mass by ramming or spading, special tamping bars or tools being used as approved by the Engineer. The amount of water used in making the concrete shall be as approved by the Engineer. If a small amount of water has been used in mixing, ramming shall be continued until the water flushes to the surface; as a rule, however, concrete shall be placed wet.

Made Smooth to Receive Waterproofing.

Section No. 144. The surface of concrete to which waterproofing is to be applied shall be made smooth at the time of placing and shall be carefully protected from injury by barricades or otherwise until thoroughly set.

Time for Hardening.

Section No. 145. Concrete shall be allowed to set for twelve (12) hours, or more, if so directed, before any work shall be laid upon it; and no walking over or working upon it shall be allowed while it is setting. Concrete shall not be flooded with water before being thoroughly set.

Earth Shall Be Rammed.

Section No. 146. Before laying concrete on earth the earth shall be rammed as directed.

Surface Rough for Bonding.

Section No. 147. Wherever a section of concrete is necessarily left unfinished, leaving a surface which will be hard set before additional concrete can be laid, care shall be taken to flush the cement to such surface, and such dovetails or grooves shall be formed as may be necessary to insure a good bond with the new work. If deemed necessary by the Engineer, the joints shall be reinforced with steel bars or dowels, furnished by the Contractor at his own expense.

Joints Cleaned.

Section No. 148. In all cases of joints of old with new work the old surfaces shall be thoroughly cleaned and wet, and, if required, a coating of mortar or cement shall be applied before placing the concrete.

Forms.

Section No. 149. Suitable forms shall be provided by the Contractor to support the concrete while being placed in the walls or roofs. These forms shall be immediately replaced by new ones as soon as they commence to lose their proper shape. Before being used they shall be carefully cleaned of cement and dirt in order to provide a perfectly smooth face to the exposed surface of the concrete. The forms shall be made of wood, kept carefully planed; or made of metal sufficiently thick to retain their shape without the use of wood.

Certain Forms Not Permissible.

Section No. 150. No forms made of wood covered with sheet iron will be permitted.

Forms; How Made.

Section No. 151. The joints in forms shall be water-tight. If forms are made of wood, the boards shall be tongued and grooved where required by the Engineer.

Precautions in Placing.

Section No. 152. Every precaution shall be taken to construct the forms in such a manner as will insure a smooth and even surface on concrete which is to remain exposed; except that on track ceilings through stations, on ceilings over platforms, and on walls within the limits of station finish work the concrete shall be left with a rough surface to insure a proper bond between it and the station finish plaster which is to be applied under another contract. For obtaining this rough concrete surface, the Contractor shall provide special forms approved by the Engineer.

Forms, How Set. Forms Removed. Surface Irregularities Corrected.

Defective Work Replaced.

Section No. 153. The forms shall be set true to line, firmly secured, and be so tight as not to allow water in the mortar to escape; they shall be thoroughly wet before placing the concrete and shall be removed as soon after the concrete has been placed as in the judgment of the Engineer may be done with safety to the work. Immediately on the removal thereof the faces that will remain exposed shall be carefully examined and any irregularities of the surface corrected; projections shall be removed and voids filled with mortar. If, however, the voids are such as to indicate an excessive loss of mortar, portions of the concrete shall be cut out to the fullness of such defects and the space refilled with a rich concrete or mortar in such proportions and in such manner as the Engineer may direct.

Reinforcement Steel.

Section No. 154. Where reinforcement steel or wire mesh is used, efficient means shall be provided to maintain it in the exact position it is to occupy in the completed work, and to prevent it from becoming dislodged, or moved in any manner, when concrete is placed.

Surfaces Not to Be Painted.

Section No. 155. Exposed faces of the concrete shall be left with the natural cement finish, the object in view being to obtain a generally smooth finished surface of uniform color. Immediately following the removal of the forms, the removal of the projections and the filling of voids as provided above, the exposed surfaces shall be rubbed down in such a manner, approved by the Engineer, as will insure this result.

Within Station Limits.

The preceding paragraph of this Section does not apply within station limits.

Impervious to Water.

Section No. 156. It is intended to obtain concrete impervious to water; the concrete shall be mixed and deposited with this end in view, and on the roof of the Railroad, if waterproofing is not used, the top surface of the concrete shall be carefully troweled as may be directed in order to add to its imperviousness.

Drip Pans.

The surfaces of drip-pans under ventilating openings and other surfaces which require special provision for drainage shall be troweled.

Concrete, How Measured and Paid For.

Section No. 157. Concrete masonry shall be measured in place in the work to the prescribed net lines ordered by the Engineer, or to such excess lines outside of net lines as herein elsewhere provided, and shall be paid for at the prices stipulated in Schedule Items 6 and 7; which prices are to include the cost of all scaffolding, centers, forms, etc., and removing the same, all troweling where required, and all other work, labor and material incidental thereto.

SUBDIVISION 12.

BRICK MASONRY.

Quality.

Section No. 159. Bricks for masonry shall be of the best quality common bricks, burned hard entirely through, regular and uniform in shape and size and of compact texture.

Hollow Terra Cotta Blocks.

Section No. 160. Hollow terra cotta blocks or bricks may be required on the outside of walls of the structure or at such other places as the Engineer may direct. They shall be of the best porous terra cotta as approved by the Engineer, and shall be of such thickness and shall be laid in such manner as hereinafter specified or as the Engineer may direct.

In Stations.

Similar terra cotta blocks or bricks may be required in station work.

How Laid.

Section No. 161. All brick masonry shall be laid in mortar of the quality above described, except that in exposed locations coloring matter may be added, if required by the Engineer. The bricks shall be laid to line with joints in the face work not exceeding one-quarter (¼) of an inch in the beds, and three-eighths (⅜) of an inch on ends; the bricks to be thoroughly wet before laying and to be completely embedded in mortar under the bottom and on the sides and ends at one operation, care being taken to have every joint full of mortar.

All exterior surfaces shall be smooth and regular.

Cleaned.

Section No. 162. The inside faces of all arches and other exposed parts shall have all the mortar scraped off and washed clean immediately after the centers have been struck, and shall be pointed and left in neat condition.

No "Bats" or Culls.

Section No. 163. All bricks of whatever nature shall be carefully culled and if necessary gauged before laying, at the expense of the Contractor. No "bats" shall be used except in large masses of brick-work, where a moderate proportion, to be determined by the Engineer, may be used, but nothing smaller than half bricks.

Racked or Toothed.

Section No. 164. All unfinished work shall be racked back or toothed, as directed by the Engineer, and before new work is joined to it the faces of the brick in the old work must be scraped entirely clean, scrubbed with a stiff brush and be well moistened.

Special Bricks.

Section No. 165. Where necessary to make a neat joint in connection with steel framework, or at corners, curves, or other similar places, special bricks of proper shape shall be furnished and used. All centers and forms shall be made to fit the curves of the work; they shall be put up and removed in a manner satisfactory to the Engineer.

Payments.

Section No. 166. Brick masonry shall be measured to the lines indicated and shown on the drawings or as ordered by the Engineer and shall be paid for as herein stipulated in *Schedule Item* 9 for common brick masonry and *Schedule Item* 10 for hollow terra cotta brick or tile masonry of any thickness ordered, except as specified in Section No. 74; these prices are to include the cost of all scaffolding, forms, centers, etc., and the removal of the same, of all plastering and pointing, and of all other work incidental thereto.

SUBDIVISION 13.

STONE MASONRY.

Rubble Stone Masonry, Where Used.

Section No. 167. Rubble stone masonry will be used at such places as the Engineer may require.

How Laid.

Section No. 168. Rubble stone masonry shall be made of sound, clean stone of suitable size, quality and shape for the work in hand and shall be laid in mortar mixed in the proportion of one (1) part of cement to three (3) parts of sand. All beds and joints shall be well filled with mortar and the work must be thoroughly bonded.

Dry Rubble Masonry.

Section No. 169. In connection with the construction of sewers, or wherever else directed by the Engineer, dry rubble masonry shall be used. It shall consist of sound, clean stone not less than three (3) inches thick and one (1) cubic foot contents laid on natural beds and bonded to give the greatest degree of strength, with such spalls as are required for leveling.

Measurements and Payments.

Section No. 170. Rubble stone masonry shall be measured in place in the work and to the lines ordered by the Engineer, and it shall be paid for as herein stipulated under *Schedule Item* 8 if with mortar, and under *Schedule Item* 8-*A* if dry.

Other Masonry.

Section No. 171. In case, during the progress of the work, stone masonry of a different class than that specified above shall be required by the Engineer, the same shall be constructed according to specifications applicable to the best work of such class, and it shall be paid for as provided in *Article XII.*

SUBDIVISION 14.

WATERPROOFING.

General Limits of Waterproofing.

Section No. 172. In general, waterproofing of the structure will be limited to the roof and to those surfaces near ground water or mean high water if ground water level is found for any reason to be below mean high water. At other places free drainage shall be provided by pipe drains, hollow tile or broken stone.

At Station.

At the station the entire structure shall be waterproofed.

Protective Masonry.

Section No. 173. The protecting masonry shall be concrete, common bricks or hollow terra cotta blocks as directed, laid and paid for as herein elsewhere provided, and shall be not less than four (4) inches in thickness.

Laid Against Sheeting.

Section No. 174. In places where permanent sheeting is placed at the waterproofing line, the waterproofing, if permitted by the Engineer, may be applied against the sheeting.

Surfaces to Be Made Smooth.

Section No. 175. All surfaces to which waterproofing is to be applied shall be made as smooth as possible; on these surfaces there shall be spread hot melted pitch in a uniform thick layer; on this layer of pitch shall be laid a treated woven fabric of such material as may be approved by the Engineer; this process shall be repeated until such number of layers as may be required by the Engineer have been placed and a final coat of pitch shall then be applied.

"Ply" Defined.

Section No. 176. The term "ply" as used in these specifications shall mean a layer of treated woven fabric (except the dry ply), both sides of which shall be coated with pitch or asphaltum at the time of laying.

Number of Plies.

Section No. 177. The number of plies of waterproofing over the roof between stations shall in no case be less than three (3), except as hereinafter provided where brick laid in asphalt mastic is used.

At Stations.

On the sidewalls at stations the same conditions as in the preceding paragraph shall apply.

Brick in Asphalt Mastic.

Section No. 178. On the sides and bottom of the structure below a line two (2) feet above ground water, or, if ground water is below mean high water level, then two (2) feet above mean high water, one (1) ply of waterproofing, as described above, shall be used with one or more layers of brick laid in asphalt mastic; the number of layers of bricks to be determined by the Engineer.

In any case where brick laid in asphalt mastic is not used, the number of plies shall be as local conditions require and as directed by the Engineer

At Stations.

The requirements in the preceding paragraphs of this section likewise shall apply to the roof of the structure within station limits and over the tracks passing through the station within said limits.

Quality of Brick.

Section No. 179. The quality of brick shall be the same as provided in the specifications under the head of Brick Masonry. The brick shall be properly dried and shall be heated before laying.

Measurements and Payments.

Section No. 180. Brick in asphalt mastic will be measured in place to the lines ordered by the Engineer, and will be paid for at the price herein stipulated, *Schedule Item* 16.

Ply Substituted for Brick and Asphalt.

Section No. 181. Six (6) plies of waterproofing may be substituted for brick in asphalt mastic, if approved by the Engineer, and will be paid for as provided for fabric waterproofing.

Asphalt Mastic.

Section No. 182. 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° Fahr. All packages containing asphalt shipped to the work must be distinctly labeled with the manufacturer's name and the brand or number of the mixture.

Leaks Stopped.

Section No. 183. Any masonry that is found to leak at any time prior to the completion of the work and final acceptance thereof by the Commission shall be cut out and the leak stopped, at the sole expense of the Contractor.

Pitch.

Section No. 184. Pitch shall consist of either coal-tar or asphalt as the Engineer shall elect; it must be delivered on the work in packages that are plainly marked with the manufacturer's brand, and indicating the grade and quality of the material.

Quality of Coal-tar Pitch.

Section No. 185. The coal-tar pitch shall be straight-run pitch containing not less than twenty-five per centum (25%) and not more than thirty-two per centum (32%) of free carbon, which will soften at approximately 70° Fahr., and melt at 120° Fahr., being a grade in which distillate oils distilled therefrom shall have a specific gravity of 1.05.

Quality of Waterproofing Asphalt.

Section No. 186. The asphalt used shall consist of fluxed natural asphalt, or asphalt prepared by the careful distillation of asphaltic petroleum, subject to the approval of the Engineer, but however prepared, it shall comply with the following requirements:

The asphalt shall contain in its refined state not less than ninety-five (95) per centum of bitumen soluble in cold carbon disulphide, and at least ninety-eight and one-half (98½) per centum of the bitumen soluble in cold carbon disulphide shall be soluble in cold carbon tetrachloride. The remaining ingredients shall be such as not to exert an injurious effect on the work.

The asphalt shall not flash below 350 degrees Fahr. when tested in the New York State Closed Oil Tester. When twenty (20) grams of the material are heated for five (5) hours at a temperature of 325 degrees Fahr. in a tin box two and one-half (2½) inches in diameter it shall not lose over five (5) per centum by weight, nor shall the penetration at 77 degrees Fahr. after such heating be less than one-half (½) of the original penetration.

The melting point of the material shall be between 150 degrees and 175 degrees Fahr. as determined by the Kraemer and Sarnow method.

The consistency shall be determined by the penetration which must be between 75 and 100 at 77 degrees Fahr.

A briquette of the solid bitumen of cross section of one square centimeter shall have a ductility of not less than twenty (20) centimeters at 77 degrees Fahr., the material being elongated at the rate of five (5) centimeters per minute. (Dow moulds.)

All tests herein specified must be conducted according to methods approved by the Engineer.

Penetrations indicated herein, refer to the depth of penetration in hundredth centimeters of a No. 2 cambric needle weighted to one hundred (100) grams at 77 degrees Fahr. acting for five (5) seconds.

Woven Fabric for Waterproofing.

Section No. 187. The fabric to be used shall be a woven fabric which shall have been treated with coal-tar pitch or asphalt before being brought on the work. The fabric and the material used in its treatment shall be approved by the Engineer.

Concrete to Be Dry.

Section No. 188. All concrete shall be dry before waterproofing is attached: If, in the judgment of the Engineer, it is impracticable to have the concrete dry, then there shall be first laid a layer of treated felt of approved quality, on the upper surface of which is to be spread the first layer of pitch or asphaltum; the said layer of felt shall then be paid for as a dry-ply, *Schedule Item* 15 (*i*).

Each layer of pitch or asphaltum must completely and entirely cover the surface on which it is spread without cracks or blow holes.

Fabric Waterproofing to Be Carefully Laid.

Section No. 189. The fabric must be rolled out into the pitch or asphaltum while the latter is still hot, and pressed against it so as to insure its being completely stuck over its entire surface, great care being taken that all joints are well broken by overlapping, and that, unless otherwise permitted, the ends of the rolls of the bottom layers are carried up on the inside of the layers on the sides, and those of the roof down on the outside of the layers on the sides so as to secure a full lap of at least one (1) foot. Especial care must be taken with this detail.

Precautions After Laying.

Section No. 190. When the finishing layer of concrete is laid over or next to the waterproofing material, care must be taken not to break, tear or injure in any way the outer surface of the pitch or asphaltum.

Skilled Labor to Be Employed.

Section No. 191. None but competent men, especially skilled in work of this kind, shall be employed to lay the waterproofing.

Measurements and Payments.

Section No. 192. Measurements will be made on the basis of actual area covered by the number of plies ordered, no account being taken of laps, and the waterproofing will be paid for at the price stipulated in Schedule Item 15.

SUBDIVISION 15.

Steel and Iron.

Open Hearth Process.

Section No. 193. Steel shall be made by the open hearth process.

Chemical and Physical Properties.

Section No. 194. The chemical and physical properties of finished material shall conform to the following limits:

Properties.	Structural Steel.	Rivet Steel.	Steel. Castings.
Phos. (Max.)	.04%	.04%	.05%
Sulph. "	.05%	.04%	.05%
Mn. "	.60%	.60%	.80%
Si. "	.10%	.10%	.35%
Ult. Str.	60000±4000	50000±4000	65000 (Min.)
Yield Point (Min.)	55% Ult.	55% Ult.	35000
Elongation, Min. % in 8 inches	1500000	1500000	
	Ult. Ten. Str.	Ult. Ten. Str.	
Elongation, Min. % in 2 inches			.20%
Fracture	Silky	Silky	Silky, or Fine granular
Cold Bends without Fracture	180° flat.	180° flat.	120° (d.=3t)

Yield Point.

Section No. 195. The yield point shall be that strain beyond which the elongation ceases to be proportional to the weight imposed, and may be indicated by drop of beam. The speed of testing shall be governed by the Inspector.

Soundness and Finish.

Section No. 196. Sufficient discard shall be made to insure sound material free from piping or excessive segregation. The material shall be finished straight and smooth, and shall be free from all seams, flaws, cracks, defective edges or other defects. Any imperfection which may develop during the progress of the work will be sufficient cause for rejection.

Steel Castings.

Section No. 197. Steel castings shall be true to pattern and free from injurious imperfections.

Standard Test Pieces.

Section No. 198. Sample pieces for tensile and bending tests of plates, shapes and bars shall be cut from such portions of the finished product of each melt as the Inspector may designate, and shall be stamped by him; they shall have both faces rolled and both edges milled to the usual form of a standard test specimen,—one and one-half (1½) inches wide on a gauged length of nine (9) inches,—or with both edges parallel. The area of the minimum section shall be not less than one-half (½) square inch.

Tests for Angles.

Section No. 199. Angles three-quarters (¾) of an inch and less in thickness shall open flat, and angles one-half (½) of an inch and less in thickness shall bend shut, cold, under blows of a hammer, without sign of fracture. This test shall be made only when required by the Inspector.

Rivet Rods.

Section No. 200. Rivet rods shall be tested as rolled.

Test Pieces for Steel Castings.

Section No. 201. For steel castings, the test piece shall be turned to a uniform minimum section of one-half (½) inch diameter, for a length of at least two and one-half (2½) inches. Specimens for bending shall be one (1) inch by one-half (½) inch in section.

Tests for Rivet Steel.

Section No. 202. Rivet steel, when nicked and bent around a bar of the same diameter as the rivet rod, shall give a gradual break and a fine, silky, uniform fracture.

Treatment of Test Specimens.

Section No. 204. For steel castings the number of tests will depend on the character and importance of the castings. Specimens shall be cut cold from coupons molded and cast on some portion of one or more castings from each melt. The coupons shall be annealed with the castings before being cut off.

Number of Tests.

Section No. 205. At least one tensile and one bending test shall be made from each melt of steel as rolled. In case steel differing three-eighths (⅜) inch or more in thickness is rolled from one melt, a test shall be made from the thickest and from the thinnest material rolled. Rolled steel shall be tested in the condition in which it comes from the rolls.

Rejection at Shop.

Material which, subsequent to tests at the mills and its acceptance there, develops weak spots, brittleness, cracks or other imperfections, or is found to have injurious defects will be rejected at the shop and shall be replaced by the manufacturer at his own cost.

Retests.

If the above tests do not fulfill the requirements of these specifications, duplicate tests may be made at the discretion of the Inspector, he selecting and stamping the duplicate test pieces. If these retests meet all the requirements, the melt shall be accepted.

Variation in Weight.

Section No. 206. A variation in weight or cross section of any piece of steel of more than two and one-half (2½) per centum from that specified shall be sufficient cause for rejection, except in case of sheared plates exceeding one hundred (100) inches in width, where the variation may be five (5) per centum.

Material Marked.

Section No. 207. Every finished piece of steel shall have the melt number and the name of the manufacturer stamped or rolled upon it. Bars for reinforcing concrete, rivet and lattice steel, and other small parts, may be bundled, with above marks on an attached metal tag.

Test Pieces and Facilities for Testing.

Section No. 208. The Contractor shall furnish, without extra charge, such standard test pieces as may be necessary to determine the uniform quality of the material and also the use of a reliable testing machine, with the necessary labor for testing.

Chemical Analyses.

Section No. 209. Chemical determinations of the percentages of carbon, phosphorus, sulphur and manganese shall be made by the manufacturer from a test ingot, so taken, during the casting of each melt of steel as to fairly represent the melt. Two (2) copies of such analyses shall be furnished to the Engineer or his Inspector.

Mill Orders.

Section No. 210. The Engineer shall be furnished copies in triplicate of all mill orders and no material shall be rolled or work done before the Engineer has been notified so that he may arrange for the inspection.

The Engineer shall be furnished complete copies of shipping invoices, in triplicate, with each shipment. Each invoice shall show the scale weight of each individual piece.

WROUGHT IRON.

Double Rolled.

Section No. 211. All wrought iron shall be double rolled, tough, fibrous and uniform in character. It shall be thoroughly welded in rolling and be free from surface defects.

Method of Testing.

Section No. 212. The methods specified for testing rolled steel shall apply generally to wrought iron. Standard test specimens shall show an ultimate strength of at least fifty thousand (50,000) lbs. per square inch, and an elongation of at least eighteen (18) per centum in eight (8) inches, with fracture wholly fibrous. Specimens shall bend cold with the fibre, through one hundred and thirty-five degrees (135°), without sign of fracture, with inner radius not to exceed the thickness of the piece tested. When nicked and bent the fracture shall show at least ninety (90) per centum fibrous.

CAST IRON.

Chemical Requirements.

Section No. 213. Cast iron shall be tough, gray iron made by the Cupola process and shall contain not more than six-tenths (0.6) per centum of phosphorus and not more than twelve one-hundredths (0.12) per centum of sulphur. No mill cinder iron, white or burnt iron or scrap of any kind will be permitted in the composition.

Test Bar.

Section No. 214. The quality of the iron entering into castings shall be determined by means of the "Arbitration Bar." This is a bar one and one-quarter (1¼) inches in diameter and fifteen (15) inches long, cast under the same circumstances as those which attended the casting of the full-sized piece. This bar shall sustain at the center, when resting upon two dull knife edges twelve (12) inches apart, a load of three thousand (3000) pounds with a deflection of at least one-tenth (1/10) of an inch before rupture.

Number of Test Bars.

Two (2) sets of two (2) bars shall be cast from each heat; one set from the first and the other set from the last iron entering into the castings. Each set of two bars is to be made in a single mold.

True to Pattern.

Section No. 215. Castings must be sound, true to pattern, free from cracks, flaws, excessive shrinkage, and have smooth, clean surfaces. They must be neatly chiseled and wirebrushed before leaving the foundry. Castings which do not accurately conform to dimensions on the plans will be rejected. Each casting shall have its distinguishing letter or number cast on at the place indicated on the plans.

WORKMANSHIP.

Quality.

Section No. 216. The workmanship shall be equal to the best practice in modern bridge works.

Shearing and chipping shall be neatly and accurately done and all portions of the work exposed to view neatly finished. All nuts exposed to view on the final structure shall be hexagonal. Lattice bars shall have neatly rounded ends, concentric with rivet holes.

Rods and Bars, Deformed Sections.

Section No. 217. Rods and bars to be used for reinforcing concrete shall be deformed as approved by the Engineer; plain bars will not be used.

Bent Rods.

Section No. 218. Bent rods shall be bent uniformly to template in a machine or press approved by the Engineer. They may be bent either at the shop or on the work. In special cases bending hot and annealing may be required.

Material Straightened in Shop.

Section No. 219. All material shall be straightened in the shop before being worked in any way and again straightened after punching and before assembling, if required by the Engineer or Inspector.

Size of Rivets.

Section No. 220. The size of rivets called for on plans shall be understood to mean the actual size of the cold rivet before heating.

Rivet Holes.

Section No. 221. All holes shall be accurately spaced and punched. The diameter of the punch shall be not more than one-sixteenth (1/16) inch greater than the diameter of the rivet. The diameter of the die shall be as small as may be required to punch a clean hole.

Punching.

Section No. 222. Punching shall be accurately done. Drifting to enlarge unfair holes will not be allowed. If the holes must be enlarged to admit the rivet they shall be reamed. Poor matching of holes will be cause for rejection.

Sub-punching and Reaming.

Section No. 223. Where sub-punching and reaming are required, the punch used shall have a diameter not less than three-sixteenths (3/16) inch smaller than the rivet. Holes shall then be reamed to a diameter not more than one-sixteenth (1/16) inch larger than the nominal diameter of the rivet. All reaming shall be done with twist drills after the material is assembled and firmly bolted together. The use of lubricants in reaming is not allowed.

Drilling.

Section No. 224. All material over seven-eighths (⅞) of an inch thick shall be drilled from the solid. Material over five-eighths (⅝) of an inch and not exceeding seven-eighths (⅞) of an inch in thickness shall be sub-punched and reamed.

Sheared Edges.

Section No. 225. Sheared edges of plates, exceeding five-eighths (⅝) of an inch in thickness in main members, shall be planed at least one-eighth (⅛) of an inch.

Burrs Removed.

Section No. 226. All burrs on rivet holes shall be removed.

Assembling.

Section No. 227. Riveted members shall have all parts well pinned up and firmly drawn together with bolts, before riveting is commenced. Contact surfaces shall be painted.

Riveting.

Section No. 228. Rivets when driven shall completely fill the holes, and shall be machine driven wherever possible. They shall have full concentric heads or they shall be countersunk when so required. Rivet heads shall not be flattened to less than one-half (½) the diameter of the rivet on the line of the shank, unless countersunk. Loose, 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. If necessary they shall be drilled out.

Distances from center of rivet to edge of sheared plates shall be not less than 1¼" for ¾" rivets and 1⅜" for ⅞" rivets; distances from center of rivets to a rolled edge shall be not less than 1⅛" for ¾" rivets and 1¼" for ⅞" rivets. The minimum pitch for ¾" rivets shall be 2½" and for ⅞" rivets 2⅞". When material is sub-punched and reamed the pitch for ¾" rivets may be made 2¼" and for ⅞" rivets 2⅝".

Use of Bolts.

Section No. 229. Generally the use of bolts instead of rivets will not be permitted, but when used in special cases the holes shall be reamed parallel, and the bolts turned to a driving fit, with the thread entirely outside of the holes. Washers not less than one-quarter (¼) inch thick shall be used under the nuts. Bolts must be thickly coated with red lead paint before insertion, so as to seal the hole against moisture.

Templates.

Section No. 230. All holes for field rivets, 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.

Finished Members.

Section No. 231. Finished members shall be true and free from twists, bends or open joints. Ends of floor beams and stringers shall be faced square and true.

Rods Upset.

Section No. 232. Rods and bars which are to receive a thread shall be properly upset. Where threads are cut on steel, they shall be properly filleted.

Annealing.

Section No. 233. Steel, except in minor details, which has been partially heated, shall be properly annealed. All steel castings shall be annealed. Welds in steel will not be allowed.

Abutting Surfaces Faced.

Section No. 234. All abutting surfaces shall be accurately planed or faced, so as to insure even bearings, except where otherwise noted on the plans.

Stiffeners—Splice Plates and Fillers.

Section No. 235. Stiffeners of plate girders shall be faced on the ends and brought to a true contact bearing with the flange angles. Web splice plates and fillers under stiffeners shall be cut to fit within one-eighth (⅛) of an inch of flange angles.

Web Plate Projections.

Section No. 236. Web plates must not project beyond the flange angles or be more than one-quarter (¼) inch back of face of angles.

Bed Plates Planed.

Section No. 237. Expansion bed plates shall be planed true and smooth. The finishing cut of the planing tool shall be fine and correspond with the direction of expansion.

Details Boxed.

Section No. 238. Nuts, bolts, rivets and other similar material shall be boxed.

Weight Marked.

Section No. 239. The scale weight shall be plainly marked upon every piece and box.

Inspection.

Section No. 240. Free access and information shall be given by the Contractor for a thorough inspection of material and workmanship.

Contractor Responsible.

Section No. 241. The Inspector shall make detailed reports of his inspection to the Engineer and may notify the Contractor of any defects in the material or workmanship, but all acceptances made by him shall be considered temporary, and his inspection shall in no way relieve the Contractor of full responsibility for the character and accuracy of the work.

Errors in Drawings.

Section No. 242. The Contractor shall be responsible for all errors which can be discovered by checking or examining the drawings.

Inspector's Office.

Section No. 243. The Contractor shall furnish for the use of the Inspector a suitably equipped office at the mills and at the shops.

Loading and Shipping.

Section No. 244. All parts shall be carefully loaded and protected from injury during transportation by such means as will be satisfactory to the inspector. After delivery of materials at the work the Contractor will be required to store the same on skids at least twelve (12) inches above the ground and to keep the same in good condition. Any piece showing injurious effects of rough handling at any stage until the final acceptance of the work may be rejected.

Payments for Steel.

Section No. 245. The prices to be paid for steel are as herein provided in Schedule Items 19, 20 and 21. Schedule Item 20 includes all single beams or shapes, whether milled or otherwise, with connections or other end details. These prices include the cost of material delivered and erected in the work. These prices are to include also the cost of all necessary cleaning and painting (where painting is required) and of all other incidental work. The quantity of metal to be paid for shall be the number of pounds actually placed in accordance with the drawings or orders.

Miscellaneous Castings, Payment For.

Section No. 246. For miscellaneous castings, but not including castings for sewer work or pipes, payment will be made as provided in Schedule Item 25, which price includes the cost of material delivered and erected in the work; also the cost of all necessary cleaning and painting (where painting is required) and of all other incidental work, labor and material.

Special Wire Forms.

Where Placed.

Section No. 247. Special wire forms, of a type and weight to be approved by the Engineer, are to be furnished and placed around the flanges of beams and girders which are to be completely encased in concrete, and at other places as may be required, in order to hold the concrete in place.

Payment.

Section No. 248. Special wire forms, wherever used, will be paid for as stipulated in Schedule Item 26, which price is deemed to include the material in place and all work necessary and incidental thereto.

SUBDIVISION 16.

PAINTING.

Number of Coats.

Section No. 249. All metal work, excepting as otherwise herein provided, shall be painted with three (3) coats of paint, as follows: Shop coat, second coat and finishing coat.

The finishing coat will be a gray paint if adjacent to concrete, otherwise a black paint.

Inspection.

Section No. 250. Paint shall be subject to inspection at the place of manufacture and to such tests as may be ordered by the Engineer. The Engineer shall have access, at all times, to all places to inspect the methods of manufacture, and shall have liberty to inspect the daily laboratory records and analyses of all such paints as are subject to his inspection.

The Contractor shall furnish all facilities required for the proper inspection of the paint and its manufacture. All containers will be sealed by the Inspector at the time of inspection.

Proportions by Weight.

Section No. 251. All proportions mentioned in this specification are by weight, except when otherwise noted.

Formulae.

Section No. 252. The paint formulae are as follows:

PAINT FORMULAE.

			Finishing Coat	
	Shop Coat	Second Coat	Gray	Black
Pigment	500 pounds	49%	57%	26%
Vehicle	16½ gal.	51%	43%	74%

VEHICLE FORMULAE.

			Finishing Coat	
	Shop Coat	Second Coat	Gray	Black
Raw Linseed Oil	⅔ by volume	90%	92%	92%
Boiled Linseed Oil	⅓ by volume			
Drier		10%	8%	8%

PIGMENT FORMULAE.

	Shop Coat	Second Coat	Finishing Coat Gray	Finishing Coat Black
Red Lead	100%	30%	....	25%
Red Iron Oxide	.....	42%	....	....
Lampblack	.....	5%	*	50%
Magnesium Silicate	.....	10%	....	10%
Silica	.....	13%	10%	15%
Sublimed White Lead	.....	....	60%	....
White Zinc	.....	....	30%	....

* Use sufficient lampblack to make standard shade.

Weight.

The standard weight of second coat shall be 12 pounds 10 ounces, per gallon.

The standard wenght of finishing coat (Gray) shall be 14 pounds 6 ounces, per gallon.

The standard weight of finishing coat (Black) shall be 9 pounds 5 ounces, per gallon.

Preparation of Paint.

Section No. 253. The shop coat of paint shall be mixed, as needed, in such quantities as can be used before it thickens in the container. Any paint which settles and thickens before use shall be rejected and a new paint mixed.

The second and finishing coats shall be furnished in a ready mixed form and shall be used without the subsequent addition of any material.

Allowable Variation.

All paints must be properly prepared, using only the specified materials in the proportions stated, with an allowable variation therefrom of not over two per centum (2%) in the quantity of any material therein. The paint must vary not more than four (4) ounces per gallon from the standard weight.

Raw Linseed Oil.

Section No. 254. Raw linseed oil shall conform to the specifications of the American Society for Testing Materials for the purity of raw linseed oil from North American seed, adopted August 25, 1913.

Boiled Linseed Oil.

Boiled linseed oil shall be made of pure linseed oil heated with lead and manganese salts and shall comply with the following requirements:

Specific gravity at 60° F	minimum	.934
Iodine value (Hanus)	"	175
Unsaponifiable matter	maximum	1.6%
Fatty acids	"	3%
Ash	"	0.4%
Moisture	"	0.5%
Flash point	minimum	527°F.
Bromine addition number	"	105
Bromine substitution number (30 min.)	maximum	5
Foots	"	1.25%

When boiled linseed oil is flowed over a plate of glass and allowed to drain in a vertical position, must dry free from tackiness in fifteen (15) hours at 70° Fahr.

Drier.

The drier shall be a pure oil drier consisting of lead and manganese salts dissolved in linseed oil and thinned with turpentine as follows:

Fifteen pounds of manganese dioxide plus 10 pounds of varnish makers' red lead, to 50 gallons of oil, boiled to proper consistency and thinned with 50 gallons of turpentine.

Turpentine.

Turpentine shall conform to the proposed specification of the American Society for Testing Materials.

Red Lead for Shop Coat.

Section No. 255. Red lead for the shop coat shall be of the best quality, free from all adulteration and shall contain not less than 80% nor more than 90% "True red lead" (Pb_3O_4), not over 1% inert hearth materials (such as silica and alumina) and not more than 0.1% metallic lead; the remainder shall be pure lead monoxide (PbO). It must contain no organic coloring matter and when shaken up with water shall show no alkaline reaction. It shall be of such fineness that 99½% will pass through a standard 200 mesh sieve.

Red Lead for Second and Finishing Coats.

Red lead for the second and finishing coats shall be of the best quality, free from all adulteration and shall contain not less than 85% "true red lead" (Pb_3O_4), not over 1% inert hearth materials (such as silica and alumina) and not more than 0.1% metallic lead; the remainder shall be pure lead monoxide (PbO). It must contain no organic coloring matter and when shaken up with water shall show no alkaline reaction. It shall be of such fineness that 99½% will pass through a standard 200 mesh sieve.

Lampblack.

Dry lampblack must be absolutely neutral and contain at least 98%, by weight, of pure carbon. The tinting power of lampblack used in the finishing coat must be the same as the standard sample.

Magnesium Silicate. Silica.

Magnesium silicate shall be a finely ground material of crystaline structure and shall equal the standard sample.

Silica shall be ground from rock crystal and water floated. It shall be 99% pure silica (SiO_2) and shall be of such fineness that 99% shall pass through a standard 200 mesh sieve. It shall equal the standard sample.

Red Iron Oxide.

Red iron oxide shall contain at least 85% ferric oxide, the remainder to consist of silicates. The oxide shall contain no soluble sulphates, no free acids, shall give a neutral reaction and shall contain not over 0.1% sulphur in any form. It shall be free from grit and shall equal the standard sample in shade, quality and tinting power.

Sublimed White Lead.

Sublimed white lead shall be a true basic sulphate of lead containing not less than 15% combined lead monoxide (PbO), not over 5% zinc oxide (ZnO), and shall contain not more than .075% free sulphur dioxide (SO_2). Sublimed white lead shall equal in whiteness, fineness, body and covering qualities the standard sample.

White Zinc.

White zinc shall be "American process," and shall contain at least 98%, by weight, oxide of zinc (ZnO), not more than 0.2% of sulphur in any form, nor more than .075% free sulphur dioxide (SO_2). White zinc shall equal in whiteness, fineness, body and covering qualities the standard sample.

Fineness, Second and Finishing Coats.

Section No. 256. (a) The paint for the second and finishing coats shall be so finely ground that when a small amount of same is placed upon a piece of glass and the glass placed in a vertical position, there shall be no separation of the oil from the pigments for at least one hour. This test is to be conducted at 70° Fahr.

(b) Take a ⅝ inch test tube and fill with pure raw linseed oil to a height of 3½ inches and add paint until the height of the oil is five (5) inches from the bottom. Cork, shake well and let stand in a vertical position for two (2) hours. The opaque mass must not have settled down more than ½ inch and there must be no separation of the coarser particles in the bottom of the test tube. This test to be conducted at 70° Fahr.

(c) At least 98 per cent. of the extracted pigment shall pass through a standard 200 mesh sieve.

(d) When rubbed with a spatula on a piece of glass there shall be no feeling of grittiness.

Standard Sieve.

Section No. 257. By standard 200 mesh sieve is meant, the 200 mesh sieve described in the specification of the American Society for Testing Materials for Portland Cement, adopted August 16, 1909.

Color.

Section No. 258. The shade of the gray finishing coat shall match the shade of the standard sample.

Drying.

The paint shall dry under normal conditions, dust free, in 12 hours, and so as to be satisfactorily recoated in not less than 24 nor more than 48 hours.

Water.

The amount of hygroscopic moisture in the finished paint shall not exceed ½ of 1 per cent.

Rosin.

There shall be no rosin in the paint as indicated by the Liebermann-Storch reaction.

Working Quality.

Section No. 259. The paint shall not liver nor curdle and shall cover properly and work freely under the brush. The pigment shall remain in suspension in a satisfactory manner.

Tests.

Section No. 260. Tests will be made against standard samples. Such analyses as required will be made by the Engineer.

Distance.

Due to the cost of inspection, the Contractor will be required to obtain paint which is made within a reasonable distance from the City, and in as large quantities as practicable. By distance from the City is meant the distance by railroad, of the paint factory from Manhattan Island. The maximum factory distance is shown in the following tables:

For quantities of less than 250 gallons made at one time, 25 miles.
For quantities of 250 to 500 gallons made at one time, 100 miles.
For quantities of 500 to 1,500 gallons made at one time, 200 miles.
For quantities over 1,500 gallons made at one time, 700 miles.

Standard Samples.

Samples of standard ingredients, and of the finished paints are on file in the office of the Engineer. Paints and their ingredients shall conform to these standard samples. The Contractor shall submit separate samples of all ingredients intended for use in the paints, and upon approval of same, shall then submit two one pint samples of paint for approval.

In those details where no special instructions are given, the paint and its manufacture shall conform to the best accepted practice.

Original Packages.

All materials for shop coat shall be delivered, inspected and sampled in their original packages.

Shop Coat.

Section No. 261. All iron shall be scraped free from scale and rust, and receive one coat of red lead paint as herein specified, before leaving the shop. All surfaces which come in contact or are enclosed shall be painted before being assembled. All turned or faced surfaces shall receive a coat of white lead and tallow before leaving the shops. If the Engineer so directs, the shop coat will be omitted on members or parts of members to be buried in concrete.

Damaged Shop Coat to be Renewed.

Where the shop coat has become damaged before or after erection, through any cause whatever, it shall be renewed with the same kind of paint as originally used, such renewal to be considered only as a part of the original shop coat.

Structural Steel and Rods.

Structural steel and rods to be imbedded in concrete shall be protected from the weather before being put in place and shall be cleaned and scale and rust removed before being encased in the concrete. Rods shall not be painted.

Field Painting.

After erection the metal shall be thoroughly cleaned of all dirt, rust or scale by stiff wire brushes or sand blast, as directed, and afterward dusted. The Engineer may require that all steel after cleaning shall be wiped with a cloth dipped in a mixture composed of one-half (½) benzine and one-half (½) turpentine. When the above mixture is practically dried off, but before becoming absolutely dry, the steel shall be thoroughly and evenly painted with the second coat prescribed herein. No paint shall be applied until the cleaning has been passed upon by an inspector.

The finishing coat shall be applied at such time after the application of the second coat and before final acceptance of the work, as in the judgment of the Engineer shall be advisable. All steel work adjacent to concrete, such as flanges of roof beams, exposed surfaces of wall columns, shall be painted with the gray finishing coat. All other steel work shall be painted with the black finishing coat. The finishing coat will be applied between stations only; at stations a third coat will not be required under this contract.

Surfaces in Contact.

Section No. 262. Surfaces of exposed members inaccessible after erection, shall be cleaned and painted before erection.

Recesses.

All recesses that might contain water, or through which water could enter, must be filled with thick paint or a waterproof cement of ground skins before receiving final painting.

Surfaces Close Together.

All surfaces so close together as to prevent the insertion of a brush must be painted thoroughly by using a piece of cloth, if necessary.

Workmanship.

Section No. 263. All paint shall be well brushed out so as to show a smooth, even film of uniform thickness. Round brushes shall be used exclusively in applying paint, except that the Engineer may permit the use of flat brushes on large flat surfaces only.

Rainy or Freezing Weather.

Section No. 264. Painting in rainy or freezing weather or on wet or damp surfaces will not be permitted.

Payments.

Section No. 265. Payment for painting is included in the prices for steel and iron.

SUBDIVISION 17.

DRAINS AND PUMPS.

Railroad to be Drained.

Section No. 266. Every part of the Railroad must, so far as possible, be so arranged that any water finding access thereto will be led away automatically to the City sewers.

Floor of Railroad as Conduit.

Section No. 267. Where the railroad is on an inclined gradient, and is constructed in dry, porous soil, the floor of the Railroad may be depended on to act as a conduit. At the bottom of the inclined gradient connections must be made with a sewer or with sub-drains lying beneath the Railroad and draining into the sewers.

Sub-Drain.

Section No. 268. Along such parts of the work where the soil is not porous, or where the floor of the Railroad cannot, in the judgment of the Engineer, be used as a conduit, there shall be laid, beneath the rail level and on a continuous descending gradient, drain pipes of vitrified salt-glazed stoneware of the quality described in these specifications for sewer pipe. These drain pipes shall be of such diameter not exceeding twelve (12) inches, as the Engineer may direct. Each drain shall be laid in concrete or directly in the soil with tight or open joints, as directed, and in such manner and in such position as, in the opinion of the Engineer, local circumstances require.

Connections and Cross Drains.

Section No. 269. Where drain pipes connect with the City sewers, the junction shall be protected by suitable traps and back-pressure valves or gate valves where necessary, to prevent back rush of water or gas from the sewers. Connections with the Railroad shall be as necessity demands and all as directed by the Engineer. Cross drains to connect with the main drains will be placed at such places and in such manner as the Engineer shall direct; also vertical drains at the sides of the Railroad. These drains shall be of vitrified pipe or of cast iron as directed.

Broken Stone for Drainage.

Section No. 270. Broken stone shall be placed for the purposes of drainage as indicated on the plans or as required by the Engineer.

Sumps.

Section No. 271. At the low points of the grade of the Railroad where the same passes below the bottom of adjacent sewers there shall be constructed sumps connected with the sub-drains or the floor of the Railroad. Such sumps must be water tight, with a capacity of not less than eight hundred (800) gallons each.

Pumps for Tunnel Drainage.

Section No. 272. Adjacent to each sump a suitable enclosure shall be provided in which two (2) pumps shall be installed, each of which shall have ample capacity to remove all the water entering the sump at that point under ordinary conditions.

The pumps shall be arranged to operate automatically. Under this contract the Contractor will furnish only the pumps required and set them in place as directed, including the necessary pipe and drainage connections between the sumps and sewers.

Capacity.

Section No. 273. If, in the opinion of the Engineer, the service requires it, each of these pumps shall be able to remove from the sump eight hundred (800) gallons per minute.

Discharge to Sewers, Etc.

Section No. 274. The discharge of such pumps shall be into the City sewers, and all piping, valves, etc., in connection therewith shall be installed as a part of this contract.

Payment for Drains.

Section No. 275. All drains shall be measured in place and the actual net length as laid for each class of drain will be paid for as herein provided in Schedule Items 17 and 17-A. The prices therein provided for each class of pipe will include providing and laying the pipe and all specials of any nature whatsoever such as bends, tees, wyes, handholes, etc., and all material necessary for jointing the same. Where back-pressure valves or gate-valves are required the cost of setting the same will be included in the above, but the Contractor will be paid in addition the actual net cost of such valves plus ten (10) per centum.

Payment for Broken Stone.

Section No. 276. For broken stone for drainage, furnished and placed, Section No. 270, payment will be made as provided in Schedule Item 14.

Payment for Pumps.

Section No. 277. For pumps, Section No. 272, including the pipe connections with sumps and sewers, the Contractor will be paid as provided in Article XII.

Station Drainage.

The station drainage also must be arranged for as prescribed in Section No. 269.

Soil Pipes.

It will be necessary to lay soil pipes in the floors and walls of the stations. These pipes are to be cast iron, "extra heavy." They will be placed in positions as shown on the plans and will be paid for as provided in Schedule Item 34.

SUBDIVISION 18.

SEWERS.

In Accordance with Drawings and Specifications.

Section No. 278. All sewers and appurtenances shall be built of the materials, of the sizes and dimensions, on the lines and grades, at the depths, with the connections, and in the manner called for by these specifications and shown on the drawings.

Change of Location.

Section No. 279. If, in the opinion of the Engineer, it is impracticable during the progress of the work to construct any sewers, manholes, or other appurtenances, according to the contract drawings, owing to the presence of unknown subsurface structures or other contingencies, the Contractor shall construct such sewers, manholes or appurtenances in the location given by and according to the directions of the Engineer.

General Clauses Apply.

Section No. 280. The general clauses in this contract relating to excavation, backfilling, cement, mortar, masonry, waterproofing, piling, timber work of all kinds, care of streets and public places, maintenance of surface, subsurface and overhead structures, protection of persons and property, repaving or restoring of the surface of the street or other public places, responsibility of the Contractor, authority of the Engineer to examine and condemn materials, and the power of the Commission and the Engineer in all or any other respects to enforce this contract, apply to the construction and reconstruction of sewers, both along the route occupied by the Railroad and elsewhere, except as herein otherwise *expressly* provided.

No Claims for Damages.

Section No. 281. Should postponement or delay be occasioned by the precedence of paving or other contracts, which may be either let or executed by the Borough President, Commissioner of Water Supply, Gas and Electricity, or other heads of departments, either before or after the execution of this contract, on the line of the work, no claims for damages therefor shall be made or allowed; nor shall any claim for damages be made or allowed in consequence of the street or the sewers not being in the condition contemplated by the parties at the time of making this contract, except that if the Contractor shall be delayed in the performance of his work by reason of the street or the sewers not being in such condition, an allowance of time may be given for the completion of the work as elsewhere provided in this contract.

Size of Trenches.

Section No. 282. The trenches for sewers and basin culverts in streets off the route of the Railroad, shall have vertical sides and shall be six (6) inches wider on each side than the greatest external width of the sewer or culvert, but shall be not less than three (3) feet in width.

In streets along the route of the Railroad the trenches shall be six (6) inches wider than the greatest external width of the sewer or its foundation, on the side farthest away from the subway, but in no case will a width be allowed greater than that specified for sewers off the line of the Railroad. Trenches shall be excavated to the depth and to the form of the sewer or its foundation. Payments for excavation will be based on the requirements as above.

Limit of Trench Opening.

Section 283. Not more than one hundred (100) feet of trench in sewers off the line of the Railroad shall be opened at any one time in advance of the sewer already completed, unless by permission of the Engineer, and then only for such distance as he shall specify.

Excavation Completed in Advance.

Section No. 284. The excavation of trenches shall be fully completed a sufficient distance in advance of the laying of the sewer, and the exposed end of the sewer shall in all cases be fully protected.

Trenches for Manholes and Receiving Basins.

Section No. 285. Where the foundation for a manhole or a receiving basin extends beyond the line of such manhole or receiving basin, the excavation required shall be to the lines of the smallest rectangle enclosing the full dimensions of the exterior of the foundation, and shall have vertical sides to the surface, but it shall, in all cases, be six (6) inches larger than the greatest external dimension of the manhole or receiving basin.

Foundations.

Section No. 286. Where the ground does not afford a sufficiently solid foundation to support the sewer, the trench shall be excavated to such increased depth as the Engineer may deem necessary, and this extra depth, and all other irregularities in the bottom of the trench, shall be filled up to the required level and form, with such material, and in such manner, as the Engineer shall direct. If so directed, piles shall be driven and a timber or reinforced concrete foundation shall be constructed, as elsewhere provided in these specifications.

Testing of Grades.

Section No. 287. When the trench is properly prepared, and before laying any sewer, the Contractor shall notify the Engineer, who will, thereupon, cause the grades for the sewer to be tested, and if correct the sewer shall then be laid in the presence of a duly authorized Inspector, and no construction work shall be done in his absence.

Trenches to Be Kept Free from Water.

Section No. 288. The trenches shall be kept entirely free from water while the foundation and the masonry are being constructed or the sewer laid. In no case shall water be allowed to flow over the invert or foundation or through the sewer until the mortar is thoroughly set.

Gutters and Passageways to Be Kept Open.

Section No. 289. At all times, gutters shall be kept open for surface drainage, and the streets and sidewalks shall be kept clear and free for the passage of carts, wagons, carriages and street railroad cars or pedestrians, and as otherwise provided in these specifications.

Cross-walks, Sidewalks and Roadways to Be Kept Clear.

Section No. 290. Where any cross-walk or roadway is cut by the trench, it shall be temporarily replaced by a timber bridge with side railings, according to the direction and approval of the Engineer. The work shall at all times be conducted so as to cause as little inconvenience as practicable to the public.

Disposition of Paving Material.

Section No. 291. All curb, gutter, flagging, paving and macadam stones, necessary to be removed, which in the judgment of the Engineer are suitable to be used again, shall be stored in such places as the Engineer shall direct, or shall be removed as provided in these specifications; in all cases a passageway on the sidewalks and in the roadway shall be preserved free from obstructions.

Flow of Sewers to Be Maintained.

Section No. 292. The Contractor shall provide for the flow of all sewers, drains and water-courses interrupted during the progress of the work, and shall restore and make good all connections, and shall immediately cart away all offensive matter, in such manner and with such precautions as the Engineer may direct. All temporary house connections shall be made by closed iron pipes, with suitable provisions for preventing leakage at joints. Wooden troughs for such connections will not be permitted.

Quality of Brick for Sewers.

Section No. 293. In the construction of brick masonry none but the best quality of common brick burned hard entirely through, regular and uniform in shape and size and of compact texture, shall be used. They shall be culled as they are brought on the ground, and bats and bricks of improper quality are to be removed from the work. A limited number of bats may be used in manholes and closures, and in the outer ring of the sewers where more than two (2) rings of bricks are required.

How Laid.

Section No. 294. The bricks shall be properly wet immediately before laying. Every brick is required to be laid in a full joint of mortar, made as described in these specifications, on its bed, end and side, at one operation. In no case is mortar to be slushed or grouted in afterward. The bricks shall be neatly and truly laid, every second course to line, and the joints to be carefully struck on the inside.

Racked Back or Toothed.

Section No. 295. All brick work, as it progresses, shall be racked back in courses, and in no case will it be allowed to be toothed, unless by special permission from the Engineer.

Brick or Stone Inverts.

Section No. 296. All inverts, or bottom curves, shall be formed from profiles accurately made according to the dimensions of the sewer, and correctly set according to the grades furnished. The masonry shall be allowed to set for twenty-four (24) hours before the arch is turned. Vitrified brick or granite paving blocks shall be used for the inner ring of the invert when required by the Engineer, and whenever so used they must be thoroughly jointed, so as to be water-tight along the inner surface of the sewer. The last course of the invert masonry below the springing line shall be laid as headers.

Brick Arches.

Section No. 297. The arches or upper curves shall be formed on strong centres of correct form, according to the sizes and shapes required, and keyed with stretches in full joints of mortar. The extrados of the arch shall be plastered with mortar one (1) inch thick, mixed in the proportion of one (1) part of cement to two (2) parts of sand. The centres shall not be removed or withdrawn in less than thirty-six (36) hours, or until the work is thoroughly set and until the filling in of the arch is properly put into place to a depth which is at least one (1) foot above the crown of the arch. The centres in all cases shall be struck and not drawn, so as not to crack or injure the work. Should any crack or settlement appear in the arch after the centres are removed, so much of the work as the Engineer may require shall be taken down immediately and replaced.

Spurs.

Section No. 298. Vitrified or iron sewer pipes or spurs equal in every respect to those described elsewhere in these specifications, and of a size required by the Engineer, but not less than six (6) inches interior diameter with hubs moulded for house connections, and of sufficient length to project at least four (4) inches beyond the exterior of the sewer, shall be built into the walls of brick sewers and at such an angle as indicated on the drawing, or as the Engineer may direct.

How Built In.

Section No. 299. Spurs shall be built in wherever similar house connections exist in the present sewer which is to be reconstructed under this contract, but in no case shall the distance be more than twenty (20) feet between spurs. In the case of the construction of new sewers where no sewers existed previously, except sewers crossing intersecting streets, they shall be built opposite each house, and where there are no houses they shall be not more than fifteen 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.

Iron Chair Spurs.

Section No. 300. Where the sewers to be built under this contract will be at a depth greater than thirteen (13) feet below the established grade of the street (or below the surface of the street where final grades have not been established), cast-iron chair spurs of the design shown on the drawings, not less than six (6) inches in diameter and of the weight of extra heavy soil pipe, shall be used unless otherwise ordered by the Engineer. Where house drains are to be connected to these spurs, extra heavy soil pipe and fittings shall be used for the riser between the spur and the house drain. Where the spurs are provided for future connections, risers of extra heavy soil pipe shall be placed in each spur and shall be brought to a point thirteen (13) feet below the established grade of the street, the end of which shall be sealed with an approved cover laid in cement mortar. The joints of this pipe shall be packed, leaded and caulked in accordance with these specifications for laying water mains.

Under Another Structure.

Section No. 301. Wherever the sewer passes under another structure, extra heavy soil pipe (Schedule Item 17-A) shall be laid from the spur to the outside of such structure, brought up to a point thirteen (13) feet below the established grade of the street, caulked and sealed as provided above. All pipes passing under such structures shall be laid in concrete.

Concrete May Be Substituted for Brick.

Section No. 302. If, during the construction of the sewers, it is deemed advisable to interchange concrete and brick, the Contractor may, with the approval of the Engineer, build such sewers of either kind and quality herein specified.

Steel Bars Used if Ordered.

Section No. 303. Concrete sewers shall be reinforced with steel bars, if so indicated on the drawings or directed by the Engineer.

Profiles and Inverted Centers for Inverts.

Section No. 304. Proper profiles for the concrete inverts shall be set up at the required distances, and the concrete for the bottom and invert of the sewer shall be deposited in place and rammed and worked down to the required shape. The concrete for the bottom and invert, if so directed, shall be placed in alternate lengths extending between every other pair of profiles, so that opportunity may be given to properly work the concrete in place.

Inverts to be Protected.

Section No. 305. The concrete of the invert shall be protected during the progress of the work with planking, or by such other suitable methods as the Engineer shall direct and for so long a time as he may require.

Forms, Moulds, Etc.

Section No. 306. Suitable forms or moulds, of the size and design to be approved by the Engineer, shall be provided by the Contractor to support the concrete of the side walls and roof while the same is being rammed into the permanent work.

Defective Work.

Section No. 307. If any voids, or irregular or defective work is discovered upon removing the forms or moulds, such voids or work shall be cut out and filled with a rich concrete or mortar mixed in such proportions and of such materials as provided elsewhere in these specifications.

Joints.

Section No. 308. No joints between different sections of the walls of a sewer shall, in any case, be a straight line, but shall always be stepped or toothed, so as to give a broken joint in the manner to be approved by the Engineer.

Spur Pipes, Branches, Etc.

Section No. 309. In so far as they will be applicable to sewers constructed of concrete, the provisions and requirements for spurs, branches, etc., in brick sewers shall be understood to govern in such construction.

Vitrified Pipe Sewers—Quality of Pipe.

Section No. 310. Tile pipe sewers shall be built of vitrified, salt glazed stoneware pipe, with extra deep and wide sockets and corrugated spigot ends. The pipe shall be of the best quality, thoroughly and perfectly burnt, without warps, cracks or imperfections, well and smoothly glazed over the entire inner and outer surfaces and perfect in shape. The pipe shall be subject to all tests ordered in conformity with

any requirements of the Bureau of Sewers of the Borough in which the work is located, at any time previous to its being used.

Dimensions.

Section No. 311. The size of the pipes shall be designated by their interior diameters. Each pipe shall be a true cylinder, and of even thickness throughout, and shall conform to the following scheduled dimensions:

DOUBLE STRENGTH PIPE; EXTRA DEEP AND WIDE SOCKETS.

Diameter.	Thickness of Shell.	Depth of Socket.	Length of Plain Straight Pipe.	Weight of Pipe Per Ft.	Annular Space.
6"	5/8"	2½"	2'	16 lbs.	5/8"
8"	3/4"	2¾"	3'	25 "	5/8"
10"	7/8"	2¾"	3'	37 "	5/8"
12"	1"	3"	3'	45 "	5/8"
15"	1¼"	3"	3'	75 "	5/8"
18"	1½"	3¼"	3'	118 "	5/8"
20"	1 2/3"	3½"	3'	148 "	5/8"
22"	1 5/6"	3¾"	3'	157 "	5/8"
24"	2"	4"	3'	190 "	5/8"

"Specials."

Section No. 312. All "special" vitrified pipe shall conform to the dimensions given for plain, straight pipe.

Spur Pipes.

Section No. 313. Pipes having spurs not less than six (6) inches in diameter with hubs moulded thereon for house connections shall be furnished and laid at such points as indicated on the plan or as directed by the Engineer, and when not immediately used, they shall be sealed on the outside with approved vitrified earthen-ware covers set in mortar.

Risers.

Section No. 314. The provisions for risers on brick sewers shall also apply to pipe sewers.

Pipe Sewers, How Laid.

Section No. 315. All pipes shall be laid in concrete cradles of the required form and dimensions. The minimum thickness of concrete under the outside of the shell, or barrel, shall be six (6) inches. The first layer of concrete shall be for the full width of the cradle, and deposited continuously to the height of the outside bottom of the shell of the pipe; before the concrete has set the pipe shall be firmly bedded therein true to line and grade and the remainder of the concrete immediately deposited and carefully tamped in such a manner as to avoid disturbing the sewer. The ends of the pipes shall abut against each other and in such manner that there shall be no shoulder or unevenness of any kind along the bottom half of the sewer on the inside. Unless otherwise ordered, not less than fifteen (15) feet of pipe shall be laid at any one time, in any one length of trench, and it shall be exposed for at least twenty-four (24) hours for inspection.

Joining Hub and Spigot Pipes.

Section No. 316. Before inserting the spigot end of the pipe into the hub or socket, the lower half of each socket shall be plastered on the inside with a layer of cement mortar mixed in the proportion of one (1) part of cement to one and one-half (1½) parts of sand and of a sufficient thickness to bring the inverts of the abutting pipes flush and even with the established flow line. After pipes are fitted, the space between the inside of the upper half of each socket and the outside of the entering pipe shall be filled with cement mortar, mixed as above specified, and the outside of the joint shall be thoroughly sealed with the same kind of mortar and the joints carefully wiped to a smooth bevel outside, and all mortar that may be left on the inside of the pipe must be thoroughly removed and the inside of the pipe left clean and smooth throughout.

The ends of the pipes which enter masonry shall be neatly cut to fit the face of the masonry. When directed, such cutting shall be done before the pipes are built in.

Iron Pipe Sewers.

Section No. 317. Sewers of iron pipe, of quality and laid in the manner described elsewhere in these specifications for the laying of water mains, shall be laid wherever indicated on the plans or at such places as the Engineer shall direct.

Special Castings.

Section No. 318. Wherever such pipes are laid through vaults, they shall, when required by the Engineer, be provided with special castings for manholes, which shall be fitted with a cover bolted on so as to make an air-tight joint, according to the plans to be furnished by the Engineer.

Ventilation.

Section No. 319. Whenever, in the opinion of the Engineer, it becomes necessary to provide ventilation for sewers under other structures, iron pipe shall be laid from the sewer to the surface of the street and fitted with proper gratings according to the plans to be furnished by the Engineer.

Connections.

Section No. 320. All existing sewers, culverts, drains and house connections intercepted by the proposed sewers, culverts or receiving basins shall be connected with the new work by proper curves and grades and in such manner as the Engineer shall direct; and all drains, basins or culverts rendered unnecessary or becoming disused by the work herein contemplated shall be filled in and made solid with good, wholesome earth in the manner directed. Provision shall also be made for the connection of future sewers or basins by constructing brick spurs or inserting vitrified pipe at the points indicated on the Contract Drawings and at other points as the Engineer may direct. These connections shall be closed with bulkheads not less than eight (8) inches in thickness and of the quality specified for brick masonry.

Fresh Work to be Protected.

Section No. 321. All fresh work shall be carefully protected from injury in every way. No wheeling or walking will be allowed on it and any portion injured must be relaid by the Contractor; no walking or working over the pipes after they are laid, except as may be necessary in tamping the earth and backfilling, will be allowed until there is at least two and one-half (2½) feet of earth over them.

Pipes to be Kept Clean.

Section No. 322. The interior of pipe sewers shall be carefully freed from all dirt, cement and superfluous material of every description as the work progresses, for which purpose a disc, mould or plate, attached to a rod sufficiently long to pass two (2) joints from the end of the pipe last laid, shall be continuously worked through.

Exposed Ends of Pipes to be Protected.

Section No. 323. The exposed ends of pipe sewers shall, in all cases, be protected with a board or other stopper carefully fitted to the pipe, to prevent earth or other substances from washing in, and in no case shall brick or stone be used for that purpose.

Manholes.

Section No. 324. The masonry of manholes shall be carried up so that the top of the iron head when set shall be at the level of the established grade of the street at that point or to such height as the Engineer may direct, and from templates correctly made and set at top and bottom between which not less than eight (8) lines shall be drawn. Where manholes are not built to the established grade of the street, they shall be covered, when necessary, by selected blue stone slabs eight (8) inches in thickness, to support the manhole heads. All joints shall be neatly struck and pointed on the inside. Each manhole shall be plastered thoroughly on the outside with cement mortar one (1) inch in thickness, mixed in the proportion of one (1) part of cement to two (2) parts of sand.

Foundations.

Section No. 325. The foundations for manholes shall be of concrete or masonry of the kind indicated on the plans and shall be not less than twelve (12) inches below the invert elevation of the sewer, except as otherwise indicated on the plan. When foundation additional to that indicated on the plan is required, it shall be built as directed by the Engineer.

Pipe Connections.

Section No. 326. Sewer pipes shall be built in and trimmed, when necessary, so as to be flush with the inner face of the manhole, and an arch, laid in cement mortar, shall be turned over the pipe.

Vitrified Brick or Granite Blocks.

Section No. 327. The invert shall be built of vitrified brick, granite blocks or concrete masonry, as indicated on the Contract Drawings.

Use of Batts.

Section No. 328. A reasonable number of batts not smaller than half bricks may be used in the construction of manholes or receiving basins, provided all interstices are thoroughly filled with mortar.

Steps.

Section No. 329. Standard steps of good quality of galvanized wrought iron, of the size, length and shape required for steps, shall be built into the interior sides of all manholes at a distance apart of not more than fifteen (15) inches vertically, and they shall be so arranged that the lowest step shall be not more than two (2) feet above the bench at the bottom of the manholes nor more than two (2) feet above the invert of the sewer where there is no bench. Each manhole head shall be cast with a wrought-iron step on the inside, when directed by the Engineer.

Bluestone.

Section No. 330. Hammer dressed bluestone shall be furnished and laid of the form and thickness required as indicated on the drawings or as otherwise directed.

Manhole Head and Cover.

Section No. 331. A cast-iron manhole head and cover of the quality specified for cast iron, and except in special cases, of pattern adopted by the President of the Borough in which the work is located, and in dimensions, weight and all other respects satisfactory to the Engineer shall be fitted on a bed of mortar to each of the above described manholes. Manhole heads and covers which do not conform to these specifications shall be removed at once from the work.

Perforations.

Section No. 332. Covers to be used on manholes in the street shall be perforated. Those used on sidewalk manholes shall be tight-fitting, without perforations.

Weights.

Section No. 333. Each manhole head and cover shall have its weight distinctly marked upon it with oil paint. The following shall be allowed as the minimum and maximum weights:

Street manhole head, 475 to 500 pounds;
Street manhole cover, 135 to 150 pounds;
Sidewalk manhole head, 300 to 310 pounds.
Sidewalk manhole cover, 100 to 110 pounds.

Noiseless Head and Cover.

Section No. 334. When the pavement of the street is asphalt or wooden block, the manhole shall be fitted with a noiseless head and cover, to be approved by the Engineer, where new heads and covers are necessary.

Sealed Heads in Vaults.

Section No. 335. All manholes in vaults or other structures shall be provided with sealed manhole heads and covers according to the design indicated on the plans.

Emergency Manholes.

Section No. 336. Where a sewer crosses under the subway, emergency manholes shall be provided when directed by the Engineer and according to plans to be furnished by him.

Manholes to be Completed.

Section No. 337. Manholes shall in all cases be fully and completely built and fitted with their covers as the work progresses, and the sewers shall not be laid beyond or in advance of any uncompleted manhole.

Receiving Basins.

Section No. 338. Receiving basins shall be built as located on the drawings or as the Engineer shall direct and in accordance with the drawings to be furnished. Each portion of the basin shall be built of the size and materials designated on said drawings and shall be thoroughly plastered, both inside and outside, with cement mortar in the proportion of one (1) part of cement to two (2) parts of sand.

Foundations.

Section No. 339. The foundations for receiving basins shall be of concrete or masonry of the kind indicated on the plans and shall extend not less than twelve (12) inches below the finished floor of the basin, except as otherwise indicated on the plans. When additional foundation is required, it shall be built as directed by the Engineer.

Stone Flooring.

Section No. 340. The flooring for receiving basins shall be of hammer-dressed North River bluestone flagging, not less than three (3) inches thick, in not more than two (2) pieces, and shall be well set in 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 Stone and Gutter Stone.

Section No. 341. Where head stone and gutter stone are required they shall be of sound, durable granite of the dimensions indicated on the plan, hammer dressed to an even surface and cut to the satisfaction of the Engineer. Cast-iron basin heads and gutter pieces of the design indicated on the drawings shall be set instead of the above when required.

Cast-iron Cover.

Section No. 342. A cast-iron cover of approved pattern weighing not less than eighty (80) nor more than ninety-five (95) pounds, shall be fitted to the opening in the head stone.

Grate Bars.

Section No. 343. A grate bar made according to the plan shall be fastened solidly into the said head stone in the manner indicated.

Cast-iron Trap.

Section No. 344. A cast-iron trap of the form and dimensions indicated on the plan, free from imperfections, and properly coated with coal pitch varnish shall be furnished and built into place as directed by the Engineer.

Joints.

Section No. 345. The joints shall be tightly fitted with an oakum gasket or with cement mortar if so directed.

Iron Steps.

Section No. 346. Galvanized iron steps of the same design required for manholes shall be built into the walls.

Culvert Pipes.

Section No. 347. The culvert pipe for connections with sewers shall be twelve (12) inch vitrified pipe unless otherwise indicated on the plan, and of the kind and quality previously described, and shall be laid, in all cases, in a concrete cradle of the form and dimensions required for pipe sewers in accordance with the directions of the Engineer. In case it becomes necessary to connect any basin already built, with the work to be constructed, so much of such culverts as in the opinion of the Engineer, may be necessary shall be taken up and rebuilt or relaid with vitrified pipe, or brick as the case may be, in the manner described above and reconnected in a straight line from the basin to the sewer.

Flush Tanks.

Section No. 348. Automatic flush tanks of a type approved by the Engineer shall be built where indicated on the drawings or where directed by the Engineer.

Waterproofing.

Section No. 349. Whenever, in the opinion of the Engineer, it is necessary to waterproof a sewer, chamber or receiving basin, or their appurtenances, it shall be done as indicated on the drawings or as directed by the Engineer and in the manner described elsewhere in these specifications.

Mortar.

Section No. 350. All masonry shall be laid in Portland cement mortar of the quality described in these specifications. It shall be mixed in the proportion of one (1) part of cement to two (2) parts of sand, excepting as otherwise specially provided.

Concrete.

Section No. 351. All concrete for sewers shall be made in the proportion of one (1) part of cement to two (2) parts of sand and four (4) parts of stone of the quality described in these specifications.

Surfaces Restored.

Section No. 352. On the completion of each section of one hundred (100) feet of sewer, the sidewalks and roadway shall be restored as provided under specification, Subdivision 22.

Permits for Connection.

Section No. 353. The Commissioner of Public Works shall have the right to connect any sewer or sewers with the sewers herein described or to grant permits to any person or persons to make connections therewith at any time before it is finally completed, and the Contractor shall not interfere with or place obstructions in the way

of such person or persons as may be employed in building new sewer or sewers or in making such connections. This is not to be construed, however, as permitting the introduction of storm water or sewage into any sewer being constructed under this contract before its final completion.

Thoroughly Cleaned.

Section No. 354. During the progress of the work, and until the entire completion and final acceptance thereof, the sewers, drains, basins, culverts and connections shall be kept thoroughly cleaned throughout, and left clean, and the drainage of any old sewer that may be taken up or intercepted shall be provided for and taken care of by the Contractor, all at his own expense.

Payment for Sewers.

Section No. 355. Payment for sewers will be made for sewer complete as herein provided in Schedule Items 37, 38, 40, 41, 42, 43, 45 and 47, except as hereinafter specifically provided. The price for each class of sewer is to include each and every item applicable thereto as herein given in Sections Nos. 278 to 354 of these Specifications and as otherwise provided in the contract and as indicated on the drawings excepting as hereinafter specifically provided.

Payment for Excavation.

Section No. 356. In addition to the price for completed sewer, as above provided, excavation will be paid for at the price herein stipulated in Schedule Item 2-A (which price shall include compensation for all matters referred to in Section No. 92), on the basis of size of trench stipulated in Sections Nos. 282 and 285. Payment for street surface restored shall be as provided in Schedule Iems 30 (a), (e) and (f).

Steel Beams and Reinforcing Rods.

Section No. 357. Where steel beams or reinforcing rods are required and ordered, such beams and rods will be paid for, in addition to the price stipulated for the sewer, at the prices herein stipulated for furnishing and placing such material and all work incidental thereto, in Schedule Items 20 or 21.

Automatic Flush Tanks.

Section No. 358. Where automatic flush tanks are built as provided in Section No. 348 of the Specifications they will be paid for as herein provided in Article XII.

Waterproofing.

Section No. 359. Where waterproofing is required and placed in accordance with Section No. 349 of the Specifications it will be paid for at the price herein stipulated for waterproofing, Schedule Items 15 or 16.

Siphons.

Section No. 360. Where inverted siphons passing under the subway structure are called for and built, they shall be considered as part of the regular subway construction from outside to outside of the sewer chambers or between points of departure from standard sewer construction, such limits being indicated on the drawings; and payment for such siphons will be made in accordance with the various classes of work or materials as are applicable thereto in the Schedule and at the prices therein stipulated for such items.

Cast-iron Pipe Sewers, Etc.

Section No. 361. All cast-iron pipe sewers wherever built, and the parts within the limits of the Railroad, when indicated on the drawings, of all other sewers crossing over or under the Railroad, will be paid for in accordance with the various classes of work or material applicable thereto in the Schedule and at the prices stipulated therein for such classes of work or material.

For all manholes or receiving basins constructed in accordance with the provisions of this section, the cast or wrought iron furnishings (except pipes) will be paid for under Schedule Item 25-C, which item, however, is applicable only to the class of work covered by this section.

House and Drainage Connections.

Section No. 362. The cost of the maintenance, support or construction of all house or other drainage connections made necessary by construction under Sections Nos. 360 and 361 will be included in the prices for the several classes of work and material entering into such construction.

Sewers Under Station Platforms.

Wherever a sewer passes under a station or station platforms, all the requirements with respect to extra heavy soil pipe, special manhole castings, ventilating pipes, and sealed manhole covers, as included in Sections Nos. 301, 318, 319 and 335 respectively, apply in every respect.

SUBDIVISION 19.

Requirements for Pipes.

General.

Section No. 363. Whenever it is necessary to relay any water main, all new material required for the same shall be of the quality and laid in the manner specified below, and subject to the various clauses of these specifications applicable thereto.

Pipes to Be Cylinders.

Section No. 364. The pipes shall be circular cylinders, with the inner and outer surfaces concentric, and of the full interior diameter required.

Hubs and Spigots.

Section No. 365. The hub or socket and the spigot end shall be shaped in exact conformity with the standards of the Department of Water Supply, to be furnished by the Commission, and will be tested by circular gauges.

Workmanship.

Section No. 366. The seat or shoulder of the socket and the end of the spigot shall be straight and even, and at right angles to the axis of the pipe, so as to make a smooth, tight joint. Special care will be required in making the sockets and spigots to conform to the drawings and all pipes will be rigorously inspected at these points. No pipe will be received whose eccentricity at either the spigot or socket ends, exceeds one-eighth (⅛) of an inch, or whose dimensions differ by more than one-eighth (⅛) of an inch from those required.

Interior Diameter.

Section No. 367. The pipes shall be designated by dimensions of the interior diameter.

Lugs, Etc.

Section No. 368. Bands, lugs, buttons, or ribs shall, if required, be cast on the pipes, of such forms and dimensions as the Engineer may direct.

Length of Pipe.

Section No. 369. The straight pipe shall be twelve (12) feet long, exclusive of hub; other pipe as may be directed.

Straightness.

Section No. 370. All straight pipes shall be straight in the direction of the axis of the cylinder.

Thickness and Weights.

Section No. 371. The thickness of the pipes, branches and special castings shall correspond with the standards of the Department of Water Supply. The weight for straight pipe shall be as follows:

60-inch pipes,	special.	
48-inch pipes,	9,886	pounds each.
42-inch pipes,	special.	
36-inch pipes,	5,920	pounds each.
30-inch pipes,	4,460	pounds each.
24-inch pipes,	2,965	pounds each.
20-inch pipes,	1,979	pounds each.
16-inch pipes,	1,458	pounds each.
12-inch pipes,	1,018	pounds each.
8-inch pipes,	542	pounds each.
6-inch pipes,	416	pounds each.

High Pressure Fire System.

Section No. 372. For high-pressure fire system standard spigot and grooves—the weights for straight pipes, with lugs, shall be as follows, in pounds per length:

	Of 3 Ft.	Of 4 Ft.	Of 6 Ft.	Of 12 Ft.
8-inch	355	420	550	935
12-inch	615	745	1,000	1,765
16-inch	1,005	1,215	1,635	2,905
20-inch	1,475	1,795	2,425	4,320
24-inch	2,105	2,585	3,535	6,385

All requirements as to weights, laying, tests, etc., shall be in strict accordance with the standard requirements of the Department of Water Supply, Gas and Electricity.

To Be Calipered.

Section No. 373. The thickness of the metal of the pipes and special castings will be tested by calipers after the castings have been freed from sand and cleaned.

Variation in Thickness.

Section No. 374. No pipe will be received when the thickness of metal is less by more than one-twelfth (1-12) of an inch than the thickness required by the standards.

Variation in Weight.

Section No. 375. Any straight pipe the weight of which is deficient by more than the following stated percentages of the standard weight, will be rejected:

For pipe 16 inches or less in diameter, 5 per cent.

For pipe over 16 inches in diameter, 4 per cent.

Excess weight in any one pipe not to exceed the above stated percentages will be paid for. The total weight, however, to be paid for shall not exceed for each size of pipe received, the sum of the standard weights of the same number of pieces of the given size, by more than two (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.)

Variation in Weight of Special Castings.

Any special casting the weight of which is deficient by more than the following stated percentages of the standard weight, will be rejected:

For special castings 12 inches or less in diameter..... 10 per cent.
For special castings over 12 inches in diameter ..... 8 per cent.

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 per cent.
For special castings over 12 inches in diameter ..... 6 per cent.

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.

Straight Pipe Cast Vertically.

Section No. 376. 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.

Clean and Smooth.

Section No. 377. All the castings shall be made in such moulding sand or loam as will leave the surface clean and smooth.

Castings, How Marked.

Section No. 378. All the castings shall have the year in which they are cast, the running number of the castings of the same size and form, the letters D. W. S., and the initials or name of the Contractor, and of the foundry where cast, cast on the outer side in raised letters of not less than two (2) inches in length and one-eight (⅛) of an inch in relief, in such manner as the Engineer may designate; and in case any pipe shall be condemned, the letters D. W. S. shall be erased by the Contractor.

Quality of Cast Iron.

Section No. 379. The metal of which the castings are to be cast (which shall be remelted in a cupola or air-furnace) shall be pig-iron, made without any admixture of cinder-iron, or other inferior metal, and shall be of such character as to make a pipe strong, tough and of an even grain, entirely free from uncombined carbon when seen under the microscope, and such as will bear, satisfactorily, drilling and cutting, and shall have a tensile strength of at least sixteen thousand (16,000) pounds to the square inch.

Imperfections.

Section No. 380. The castings shall be free from scoria, sand holes, air bubbles, and other defects and imperfections.

Castings to Be Cleaned.

Section No. 381. The casting shall be perfectly cleaned and no lumps shall be left on the inner surface of the barrels or sockets, or on the outer surface of the spigot end. The castings shall be subject to hammer inspection. Iron-wire brushes shall be used, as well as softer brushes, to remove the loose dust. No acid or other liquid shall be used in cleaning the castings.

Pipes to Be Coated.

Section No. 382. Every pipe, branch and special casting shall be carefully coated inside and out with coal pitch and oil. Every casting shall likewise be entirely free from rust when the coating is applied. If the casting cannot be dipped immediately after being cleaned, the surface shall be oiled with linseed oil, to preserve it until it is ready to be dipped. No casting shall be dipped after rust has set in.

Pitch.

Section No. 383. The coal-tar pitch shall be made from coal-tar distilled until the naphtha is entirely removed and the material mixed with linseed oil so as to make a smooth, tough and tenacious coating. Pitch which becomes hard and brittle when cold will not answer for this purpose.

Temperature of Pitch.

Section No. 384. Pitch of the proper quality having been obtained, it shall be carefully heated in a suitable vessel to a temperature of three hundred (300) degrees Fahrenheit, and shall be maintained at not less than this temperature during the time of dipping. The material will thicken and deteriorate after a number of pipes have been dipped; fresh pitch shall, therefore, be frequently added, and occasionally the vessel shall be entirely emptied of its old contents and refilled with fresh pitch.

Temperature of Castings.

Section No. 385. Every casting shall attain a temperature of three hundred (300) degrees Fahrenheit, before being removed from the vessel of hot pitch. It shall then be slowly removed and laid on skids to drip.

To Be Inspected Before Dipping.

Section No. 386. No casting shall be dipped until the authorized inspector has examined it as to cleaning and rust, and subjected it thoroughly to the hammer test. It may then be dipped, after which it will be passed to the hydraulic press to meet the required water test. The proper coating shall be tough and tenacious when cold on the pipes, and not brittle or with any tendency to scale off.

Tests.

Section No. 387. The castings must be capable of sustaining a pressure, in the hydraulic press, of three hundred (300) pounds to a square inch, and any casting which shows any defect by leaking, sweating or otherwise will be rejected. This test shall be made at the foundry, and at the expense of the Contractor.

Weighed and Marked.

Section No. 388. The castings shall be weighed, and the weight distinctly marked on the castings in white paint. The Contractor shall provide at the foundry where the pipes and castings are to be manufactured proper sealed scales and weights for weighing the castings, which shall be done at the expense of the Contractor, under the supervision of the Inspector.

Blocking and Wedges.

Section No. 389. Each pipe over eight (8) inches inside diameter, unless otherwise ordered, shall be placed on two (2) blocks and four (4) wedges of hemlock timber, the wedges to rest on the blocks and the pipe on the wedges.

Timber for Blocking.

Section No. 390. The blocks and wedges shall be of sound hemlock timber; 48 and 36-inch pipe shall be laid on blocks 4 feet long, 12 inches wide and 6 inches thick, with wedges 18 inches long, 6 inches wide, 4 inches thick on one end and ½ inch thick on the other; 30 and 24-inch pipe on blocks 3 feet long, 10 inches wide and 5 inches thick, with wedges 15 inches long, 5 inches wide and 3½ inches thick on one end and ½ inch thick on the other end; 12 and 20-inch pipe on blocks 2 feet long, 8 inches wide and 4 inches thick with wedges 12 inches long, 4 inches wide, 3 inches thick on one end and ½ inch thick on the other.

Joints.

Section No. 391. The spigot end of the pipe shall be inserted into the hub to within from one-fourth (¼) to one-eighth (⅛) of an inch of the full depth of the hub, and the space around the pipe shall be equalized so as to give as nearly as possible an equal space for the packing. The space between the pipe and hub shall be packed with clean, sound jute packing yarn, free from tar, far enough to leave the proper space for lead. The remaining space shall then be filled by running it full of lead to a depth of four (4) inches, with a bead outside of the face of the hub large enough to allow for caulking, so that when the joint is properly caulked the lead will be flush with the hub of the pipe. After the joint shall have been run with lead, it shall be caulked by means of proper tools, so as to make a water-tight joint.

Lead.

Section No. 392. The lead to be used shall be of the best quality of pure, soft lead, and in every respect suitable for the purpose.

Notice of Interruption to Be Given.

Section No. 393. In case it becomes necessary to cut any connection with any other main, house or hydrant, or in any way to interfere with the continuous and normal flow of water, due notice shall be sent at least forty-eight (48) hours in advance to the Engineer and to the Commissioner of Water Supply, and the Contractor shall, if so ordered, make a temporary by-pass or other arrangement to preserve the flow of water while breaking connections.

Connections Interfered With.

Section No. 394. All connections cut, interfered with or injured shall be restored under the directions of the Engineer, without delay and in accordance with the rules and regulations of the Department of Water Supply governing such matters, to a suitable condition as good as existed before commencing work.

Stop-cocks, Etc.

Section No. 395. Stop cocks, boxes, branches, curved pipe, and other specials according to the standards of the Department of Water Supply shall be set where necessary.

Specifications of Owners Apply.

Section No. 396. For gas pipes, mail tubes and any other pipes not herein enumerated, the standard weights and all other requirements shall be in accordance with the standard specifications and requirements of the several owners of such structures.

SUBDIVISION 20.

Ducts.

Vitrified Ducts, Quality and Size.

Section No. 397. The ducts to contain cables for transmitting electricity shall be manufactured of the best clay, thoroughly mixed, burnt and vitrified, sound in all respects, straight and free from soft spots, stones, cracks or blisters liable to impair their strength or durability; in lengths generally of from eighteen (18) to thirty-six (36) inches; shorter lengths shall be used only as directed; generally in four-way form with circular holes, the diameter to be such as to pass a mandrel three and one-half (3½) inches in diameter; one, two or three-way ducts shall be used in special cases as determined by the Engineer. The interior surface of the holes shall be smooth and clear of warts, tits, pits or blisters, which may tend to injure the electric cable in pulling the same through the duct. The ends shall be cut smooth and at right angles to the axis of the ducts and beveled on the inside for three-quarters (¾) of an inch.

Thickness of Ducts.

Section No. 398. The outside walls and webs of four-way ducts shall be three-quarters (¾) of an inch thick; the outside dimensions of ducts shall be not less than nine and one-quarter (9¼) nor more than ten (10) inches, and constructed square on outer lines; the dimensions of single, two-way or three-way ducts shall be consistent with the above.

Ends Combed.

Section No. 399. 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.

Glaze.

Section No. 400. The inside and outside of ducts shall be thoroughly glazed in the most approved manner with good salt glaze.

Inspection.

Section No. 401. 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.

How Laid.

Section No. 402. The ducts shall be laid in beds of cement mortar, about one-quarter (¼) of an inch in thickness, with broken joints and with full bearing. Two (2) strips of thick unbleached muslin six (6) inches wide, and coated with neat cement mortar, shall be used to wrap each joint, the ends of the wrap to lap six (6) inches. The muslin shall be not less than 56.60 count, weight not less than four (4) ounces to the yard and width thirty-six (36) inches. In laying the ducts care must be taken to close abutting joints so that practically the ends of ducts shall be in contact on all sides. Where ducts are laid on curves, the wraps must be doubled if required, to protect the openings between the ends of the ducts on the outer line of the duct and to exclude all mortar from duct openings.

Mandrels.

Section No. 403. The ducts shall be laid with a linked mandrel of the length and diameter to be prescribed, the same accurately fitting the duct openings, the mandrel to be left in each duct until the next succeeding duct is laid.

Dowel Pins.

Section No. 404. The ducts shall be laid with dowel pins, at least two pins on the opposite sides horizontally.

Laid to Line.

Section No. 405. The ducts shall be so laid that the centre of the holes shall be true to line and grade.

To Be Rodded.

Section No. 406. After the ducts are laid, and sufficient time is given to allow the mortar in beds to set, they shall be rodded; all mortar or other foreign matter must be cleaned from the duct openings, leaving a clear and smooth opening. If obstructions are found in rodding the ducts which cannot be removed by cleaners, so as to give a clear and smooth opening sufficient to pass a three and one-quarter (3¼) inch mandrel, the ducts shall be removed and relaid; all ducts, during the construction and after being rodded, shall be plugged with suitable plugs, to be furnished by the Contractor. If wooden plugs are used they shall be immersed in water for at least eight (8) hours before being put in place.

Measurement and Payment for Vitrified Ducts.

Section No. 407. Tunnel ducts shall be paid for per duct foot in place at the price herein stipulated for tunnel ducts, Schedule Item 18, which price shall include the cost of furnishing, laying, rodding and all the material and work incidental thereto. The tunnel ducts to be provided under Schedule Item 18 shall include only those intended solely for the purpose of the operation of the Railroad, but either those incorporated in the Railroad structure or those laid on top of it.

Duct Manholes.

Section No. 408. Duct manholes shall be built at the sides of the Railroad in connection therewith and as indicated on the drawings. These manholes shall be generally at intervals of about four hundred and fifty (450) feet, and shall be on either or both sides of the Railroad as necessary, in accordance with the location of the duct lines. They may vary in form as may be necessary to accommodate the work to local conditions. They are to be considered as part of the subway structure, and paid for at the schedule prices for such work. Sliding steel doors of an approved type and with the necessary fittings shall be provided for all duct manholes. Such doors and fittings will be paid for as riveted steel, Schedule Item 19.

Duct Manholes at Stations.

Duct manholes will be built at the ends of the stations to provide for the passage of the ducts under the station platforms.

Openings to the street surface shall be provided from all manholes. Ten (10) inch cast-iron pipe will be used for this purpose in some places. Such pipe, where used, will be measured in place in the work and paid for as stipulated in Schedule Item 17 (i).

Special Conditions.

Section No. 409. At manholes the ducts will be laid to conform to the special conditions.

SUBDIVISION 21.

Conduits.

Open Construction Required.

Section No. 410. In all work where iron pipe conduits are installed for a part of their length in the structure and for another part as open construction, the ends of such runs shall be carried outside of said structure as open construction and shall terminate in outlet or junction boxes located by the Engineer.

Usually to be Built In.

Section No. 411. The iron pipe conduits required by Section No. 410 will be built mainly in the walls, roofs or other parts of the stations; portions, however, of the runs will be left exposed, to be covered later by the station finish work.

Quality of Iron Pipe Conduit.

Section No. 412. All iron conduits used for any purpose in connection with the work herein shall be of the best grade (Galvaduct or equal) standard weight wrought iron or steel piping, protected inside and out by a coat of zinc or enamel. It shall be delivered to the work in bundles of full length pipes, each length marked with the trade-mark of the manufacturer. It shall bend cold ninety (90) degrees about a radius equal to ten diameters without signs of flaw or fracture in either pipe or enamel.

Cleaning and Workmanship.

Section No. 413. All conduits shall be carefully cleaned before and after erection, and all ends shall be reamed free from burrs, and inside surfaces shall be free from all imperfections liable to injure the cable.

Joints Water-tight.

Section No. 414. All joints shall be made with standard couplings, well treated with red lead, and screwed up to make a water-tight job.

Support and Protection.

Section No. 415. Conduits built into concrete or other parts of the structure shall be properly protected and supported, so that the same shall not be injured by the building operations.

Strap Supports.

Section No. 416. Conduits not built into the structure shall be supported by approved pipe straps located not more than eight feet apart, or in any other manner designated by the Engineer, and they shall be kept boxed or otherwise suitably protected from injury.

Bends and Offsets.

Section No. 417. Bends and offsets may be made in the field if proper tools are used, but in no case shall deformed, split or crushed conduit be erected. Not more than two right angle bends shall be made between any two outlet boxes without special approval of the Engineer.

Measurement and Payment.

Section No. 418. Measurements for the above iron pipe conduits shall be per lineal foot of single conduit placed in the work—in accordance with the requirements—and payment for the same shall be as herein stipulated in Schedule Item 32.

Outlet and Pull Boxes and Payment for Same.

Section No. 419. All outlet and pull boxes shall be made of cast iron, with openings threaded for the conduit ends, and conduits shall be screwed into these openings and made up with red lead to effect a water-tight joint. Covers shall be of cast iron and water-tight, and no other boxes or covers shall be used except under special permission of the Engineer. Cast-iron outlet and pull boxes furnished and placed in the work shall be paid for at the prices stipulated in Schedule Items 33 and 33-A.

SUBDIVISION 22.

Surfaces Restored.

Pavement to Be Restored.

Section No. 420. As soon as the structure in any excavation or trench made within a street shall be completed and the trench backfilled, a temporary pavement shall be laid and maintained for at least four (4) months in a condition satisfactory to the Engineer; and whenever after such time the earth shall, in the opinion of the Engineer have become sufficiently settled, the Contractor shall proceed to restore the surface to a condition similar to, and equally as good as, that existing previous to the commencement of construction.

Provisions Apply to Sewer Trenches.

Section No. 421. All the requirements as to street surface restored shall apply to the trenches for sewers, pipes or other subsurface structures along or off the line of the Railroad.

Other Sidewalks May Be Laid.

Section No. 422. Nothing contained in these specifications shall be understood or construed as prohibiting the Contractor from making any arrangement with the President of the Borough, or 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 to make arrangements with any property owner to lay another style of sidewalk, or other surface covering within curb lines, in place of the sidewalk or other surface covering taken up; in which case the Contractor shall file with the Commission a copy of his contract with such municipal officer or with such property owner, duly acknowledged in writing by both parties.

In case the municipal officer in charge of 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 as the Engineer may select, and further direct him to remove from the area to be restored all material of whatever nature not required to be relaid, and to permit another contractor to lay such roadway pavement, sidewalk or other surface covering; in which case the liability of the Contractor under this contract shall cease as far as that part of his work is concerned, whenever the Engineer shall report to the Commission that the instructions of the Commission have been complied with, exactly the same as if the Contractor had fully completed the restoration as hereinbefore provided.

The cost of all work of finishing and dressing off of the filling over his work and of the removal of all materials not required, referred to above, will be included in the prices stipulated for earth excavation; such work is not to be considered in any sense as "street surface restored."

Payment for Street Surface Restored.

Section No. 423. Payment for street surface restored will be made at the prices stipulated in Schedule Item 30 (a) within curb lines and Schedule Item 30 (e) and (f) between curb lines, which prices shall include the cost of restoring all curbs, manhole heads and covers, gratings, vault lights, etc., that formed a part of the original street surface; and of all temporary surfaces that may be necessary to maintain traffic pending the final placing of the permanent paving. The support of the street surface between the street railroad tracks and between the rails of each track will not constitute "street surface restored;" that is, the Contractor will not be paid for street surface restored in cases where the original pavement between such street railroad tracks and such rails is not removed and replaced; nor will the area of the top surface of the rails or slot of the street railroads be measured and paid for as "street surface restored."

When required by the Engineer, the Contractor shall furnish and set contiguous to ventilating grating work and station vault light work new bluestone or eight (8) inch granite curb dressed to fit the structure. This new curb, in place, including all work, labor and material incidental thereto, will be paid for at the prices stipulated in Schedule Items 30 (i) and (k).

When required by the Engineer, the Contractor shall set such new curbs or restore the old curbs contiguous to such grating and vault light work when new ones are not ordered, at a new line to be established by the President of the Borough, and such additional roadway pavement as may be required thereby will be paid for at the unit price specified in the Schedule applicable thereto.

Measurements.

Section No. 424. The measurement for payment for street and park surface restored will be to the ordered net lines of excavation.

Outside of Net Lines.

Section No. 425. All other street surfaces outside of the ordered net lines of excavation, either along or off the line of the Railroad, that may have become damaged, directly or indirectly, as a result of the Contractor's operations, shall be restored by the Contractor at his own cost and expense to a condition similar to and equally as good as that existing previous to the commencement of construction.

SUBDIVISION 23.

Gratings, Hand Rails, Etc.

Steel Gratings.

Section No. 426. Steel gratings shall be provided and placed over fan and other ventilating chambers, and over station approaches, at places shown on the plans, or at other places if required by the Engineer. They will be constructed as shown on the detailed plans for gratings.

At Stations.

Steel gratings also shall be provided and placed over stations as prescribed in the preceding paragraph.

Measurement and Payment.

Gratings will be measured to include the outer line of the frame at the street surface and payment therefor will be made as herein provided in Schedule Item 28, which price shall include the grating in place in the work, all frames and framing, and all incidental work, labor and material.

Galvanized Iron Pipe Hand-rails.

Galvanized iron pipe hand-rails, of one or more horizontal rails and supported

on wall brackets or on pipe posts, will be placed in the Railroad over the benches containing the ducts, or at other points where directed by the Engineer. They shall be securely fastened to the wall, bench or floor of the tunnel by means of expansion bolts, and as shown on the Contract Drawings. Measurements for payments will be per lineal foot of pipe rail and posts in place on the work, complete, and at the price as stipulated in Schedule Item 27.

Vault Lights.

The roofs of the stations, where under sidewalks, shall, to as great an extent as possible, consist of vault light construction. These lights shall be made with lenses, not exceeding three (3) inches in diameter, of strong glass set in cement, in frames or panels, and the joint between the glass and the cement shall be made water tight by the use of an approved elastic composition which shall also serve to protect the glass from breaking due to the contraction of the supporting slab. The panels shall be provided with non-slipping treads, buttons or other devices all of design approved by the Engineer; and shall be of sufficient strength to carry, when supported in a manner similar to that in which they are to be permanently set, an equally distributed load of at least five hundred (500) pounds per square foot without signs of failure, deformation or permanent set, when such test load is removed. The right is reserved to test at least one (1) frame or panel in every ten (10), as selected by the Engineer; and, if that fail, then the whole lot may be rejected. The vault lights must be set in place with cement, lead or other means so as to be absolutely waterproof; and the joint between the vault light construction and the supporting walls or beams shall be made water tight by the use of an approved elastic composition. Any tests required shall be at the Contractor's expense.

Measurement and Payment.

The area for payment for vault lights shall be to lines not exceeding one (1) foot outside of the inner faces of the supporting walls, and the price paid will be as provided in Schedule Item 29, which price shall include all work, labor and material incidental to the completed vault lights in place.

SUBDIVISION 24.

SPECIAL MATTERS.

General Provisions Govern.

Section No. 427. The provisions of this subdivision are for the purpose of covering matters special to this contract, and which are not fully covered in the general specifications, but except as herein expressly provided the foregoing specifications are to be construed as applying to special matters.

Protection of Present Subways in Lafayette and Centre Streets.

The Contractor shall maintain, support and protect and underpin, both temporarily and permanently, in a safe condition for the continuous operation of trains the subsurface rapid transit railroads in Lafayette and Centre Streets with their station entrances, appurtenances, equipment and rolling stock. The Contractor shall also maintain, support, protect and secure, both temporarily and permanently, in a safe condition for the continuous operation of trains the subsurface railroad in Canal and Walker Streets with its appurtenances, equipment and rolling stock. If any damage or injury shall occur to any of such rapid transit railroads or their station entrances, appurtenances, equipment or rolling stock, the Contractor shall forthwith make good such damage or injury to the satisfaction of the Commission and to the satisfaction of the operating company or lessee of said railroad. The Contractor shall comply with all reasonable requirements of the Interborough Rapid Transit Company, as lessee of the rapid transit railroad in Lafayette Street, or any other lessee or operator of said railroad, and with all reasonable requirements of the New York Consolidated Railroad Company, as lessee of the rapid transit railroad in Centre Street, or of any other lessee or operator of said railroad, and, if the New York Consolidated Railroad Company or any other lessee or operator shall operate the rapid transit railroad in Canal and Walker Streets during the term of this contract, with all reasonable requirements of said New York Consolidated Railroad Company, as lessee of said railroad in Canal and Walker Streets, or of any other lessee or operator of said railroad, to the end that the safe and continuous operation of trains in said rapid transit railroads shall not be interfered with and that said rapid transit railroads, their station entrances, appurtenances, equipment and rolling stock shall be maintained at all times in a safe condition. The Contractor shall at his own expense procure any and all permits from the Interborough Rapid Transit Company, its successors and assigns, and the New York Consolidated Railroad Company, its successors or assigns, and any other lessee or operator of any of said railroads which may be necessary for maintaining, supporting, protecting, securing and underpinning said railroads. All methods of maintaining, supporting, protecting, securing and underpinning said railroads shall be approved by the Engineer before any work on or affecting said railroads is commenced. Such methods may, and if required by the Engineer shall, be changed during construction if in the judgment of the Engineer conditions so require. But the approval by the Engineer of the methods of doing the work or the failure of the Engineer to require any change in methods or to call attention to improper or inadequate methods will not relieve the Contractor of his responsibility.

Contractor Responsible.

The Contractor shall be solely responsible for the support, maintenance, safety and protection of such rapid transit railroads, with their station entrances, appurtenances, equipment and rolling stock, and for the safety and protection of all passengers and other persons and of all property therein and he shall be solely responsible and liable for any damage thereto and any injuries to person or property therein occurring on account of the performance of the work under this contract, whether due to the negligence, fault or default of the Contractor or not; and the Contractor, in addition to indemnifying the City from liability upon any and all claims on account of any such damage and on account of any such injuries to person or property and from all costs and expenses in suits which may be brought against the City for any such damage or injury, shall also indemnify and save harmless the Interborough Rapid Transit Company, its successors and assigns, and the New York Consolidated Railroad Company, its successors or assigns, and any other operator or lessee, of any of said railroads, from loss on account of any such damage and from liability upon any and all claims for damages on account of any such injuries and from all costs and expenses in suits which may be brought against the Interborough Rapid Transit Company, its successors or assigns, or the New York Consolidated Railroad Company, its successors or assigns, or any other operator or lessee of any of said railroads, for such injuries, all as more particularly provided in Chapter VI of this contract. And as more particularly provided in such Chapter VI the liability of the Contractor hereunder 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 neither the approval by the Engineer of the methods of doing the work nor the failure of the Engineer to call attention to improper or inadequate methods or to require a change in methods nor the neglect of the Engineer to direct the Contractor to take any particular precautions or to refrain from doing any particular thing shall excuse the Contractor in case of any such damage or injury.

Payments.

Payment for the support, maintenance, underpinning, safety and protection of the subsurface rapid transit railroad in Lafayette street with its station entrances, appurtenances, equipment and rolling stock and for the safety and protection of all passengers and other persons and of all property therein will be made at the price stipulated in Schedule Item 76-B. Payment for the support, maintenance, underpinning, safety and protection of the subsurface rapid transit railroad in Centre Street with its station entrances, appurtenances, equipment and rolling stock and for the safety and protection of all passengers and other persons and of all property therein will be made at the price stipulated in Schedule Item 76-C. Payment for the support maintenance, securing, safety and protection of the subsurface rapid transit railroad in Canal and Walker Streets with its appurtenances, equipment and rolling stock and for the safety and protection of all passengers and other persons and of all property therein will be made at the price stipulated in Schedule Item 76-F. The prices stipulated in Schedule Items 76-B, 76-C and 76-F include the cost of all incidental work, labor and material and no allowance will be made in connection therewith under any other Schedule Item or otherwise. Partial payments will be made under Schedule Items 76-B, 76-C and 76-F as provided in Article XXXV.

Where the Railroad passes under the existing subsurface rapid transit railroad under Lafayette Street the Railroad has been designed to support the said existing subsurface railroad, and the space between the top of the roof of the Railroad and the bottom of the floor of the existing subsurface railroad under Lafayette Street shall be filled with concrete as shown on the drawings. Timbering or other supports required to maintain, support and underpin the existing subsurface railroad during the construction of the Railroad which, in the opinion of the Engineer, cannot be removed before this concrete filling is placed, may be surrounded by and incased in this concrete filling. This concrete filling will be paid for at the price stipulated in Schedule Item 6 and no deduction will be made on account of the volume of such timbering or other supports above referred to that may be surrounded by and incased in this filling.

Excavation under the existing subsurface rapid transit railroad in Lafayette Street will be measured and paid for inside the net outside lines of the Railroad, the bottom or subgrade of such existing rapid transit railroad limiting the upper surface for such measurement and payment; and no deduction from the volume of such excavation will be made whether such space is wholly excavated or not. No allowance will be made nor money paid for excavation beyond the lines specified above.

The Contractor, as provided in Section No. 69 for maintaining, protecting and securing or underpinning buildings, will be required to maintain, protect and secure or underpin the sewer along the northerly side of Canal Street from the westerly building line of Mulberry Street to a point about fifty (50) feet west of the westerly building line of Mott Street and the buildings adjacent to such sewer and will be paid therefor at the price stipulated in Schedule Item 4-M, which price shall include the cost of maintaining, protecting and securing or underpinning (whichever may be required) said sewer and all buildings adjacent to such sewer, and no other allowance will be made for the maintaining, protecting and securing or underpinning of such sewer and buildings adjacent thereto under any other Schedule Item or otherwise. (See also Section No. 70.)

On account of the physical interference of the Railroad with the sewer above referred to the Contractor will be required to cut out portions of the sidewall of the sewer substantially as shown on the drawings. The cutting, removing and disposing of such portions of the sidewall of the sewer, including the cutting of any rods that may be encountered in the concrete, will be paid for at the price stipulated in Schedule Item 9-D.

Excavation under the existing subsurface rapid transit railroad in Centre Street for the Railroad and for the passageway shown on the drawings will be measured and paid for inside the net outside lines of the Railroad and of such passageway, the bottom of the structure of such existing rapid transit railroad limiting the upper surface for such measurement and pavement; and no deduction from the volume of such excavation will be made whether such space is wholly excavated or not. No allowance will be made nor money paid for excavation beyond the lines specified above. The space occupied by existing piles supporting such existing rapid transit railroad will be excluded in the measurement for payment for concrete masonry.

From station 43+82 to station 51+24 approximately, portions of the northerly sidewall of the existing subway structure on the southerly side of Canal Street will be used to form the southerly sidewall of the Railroad. The Contractor will be required in connection with fitting the work of the Railroad to the existing subway structure to cut into and remove the brick masonry from pockets which were built in such northerly sidewall for the reception of the ends of the roof and floor beams of the Railroad; also to cut new pockets where existing pockets are not at the proper elevation; also to remove the brick masonry which was placed in such northerly sidewall for the purpose of making openings between the northerly track of the existing subway structure and the southerly track of the Railroad; also to cut into and remove the reinforced concrete of the said existing wall, cutting the rods as may be necessary, for the purpose of making other refuge niches; also to remove the protective concrete, hollow tile or brick placed outside of the waterprofing of the said existing wall as well as the waterprofing, all as shown on the drawings. From approximately the westerly building line of Mott Street to about sixty-five (65) feet east of the easterly building line of Elizabeth Street where crossovers are shown connecting with the tracks of the existing subway structure on the southerly side of Canal Street, the Contractor will be required to remove certain portions of the northerly wall of the existing subway structure as indicated on the drawings, and to splice the roof girders to the northerly ends of existing girders, for which purpose the northerly ends of the existing girders have been especially prepared; also to remove two existing 15-inch "I" beam columns and to substitute therefor two new columns and to do such work in connection with the setting of these columns as may be necessary. As further shown on the drawings the northerly wall of the existing structure for about fifteen (15) feet near the westerly building line of Mott Street is to be trimmed a maximum of three (3) inches on either side. For the removal and disposal of all masonry of whatever kind as referred to in this paragraph the Contractor will be paid at the price stipulated in Schedule Item 9-D, which price shall include the cost of the removal and disposal of the two 15-inch "I" beam columns above mentioned.

The Contractor will also be required to resurface with neat cement the outside of the northerly wall of the existing subway structure after the protective concrete or other material and the waterproofing have been removed, in order that this wall may have a finished surface. Payment for such resurfacing, including all incidental work, labor and material, will be made at the price stipulated in Schedule Item 11-A.

The Contractor also will be required to properly splice the waterproofing fabric on the roof of the existing subway structure in Canal Street to that required to be laid on the roof of the Railroad. The cost of such splicing shall be deemed to be included in the price stipulated in Schedule Item 15. Waterproofing fabric will be measured and paid for to include the surface spliced as ordered by the Engineer. In order to splice such waterproofing it will be necessary to remove and relay a portion of the protective concrete over this waterproofing, which work will be paid for in accordance with the prices stipulated in Schedule Items 9-D and 7, respectively. The Contractor will be required to furnish all labor and material and to do all work necessary to connect the Railroad at the easterly end of this contract section to the structure now being built by the Department of Bridges. The general character of this work will consist of removing the temporary wooden bulkhead, if such bulkhead has been constructed, at the end of the structure being built by the Department of Bridges, splicing the waterproofing of the two structures and removing and replacing such concrete as may be necessary to complete this portion of the work and to do any other work which may be required to complete the work described This work will be paid for at the prices stipulated for the various classes of work or material applicable thereto in the Schedule of Unit Prices or if, in the opinion of the Engineer, not susceptible of such classification, then as provided in Article XII.

The Engineer may require the Contractor to support street surface railroads upon compacted backfill in lieu of the concrete piers shown on the contract drawings, where there is over twelve (12) feet of backfill on top of the roof of the Railroad. The cost of such compacted backfill will be deemed to be included in the prices paid for excavation, as provided in Section No. 96.

CHAPTER IV.

Security to Be Furnished by Contractor.

Contractor's Bond.

Article XXVII. Simultaneously with the execution and delivery of this contract the Contractor shall give security for the performance of his obligation by filing with the Comptroller a bond in the form annexed hereto, entitled "Form of Contractor's Bond," executed and acknowledged by the Contractor and by two or more sureties to be corporations or persons approved by the Commission in the sum of three hundred thousand dollars ($300,000). 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 to be 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 have justified on the bond; and the money so deducted shall be held by the Comptroller as collateral security for the performance of the condition of the bond.

Deposit of Cash or Securities.

Article XXVIII. The Contractor may at his option deposit with the Comptroller in lieu of said bond or of any part thereof, an equal amount in cash or in value of securities. If securities be deposited they shall be securities of the character in which savings banks of the State of New York are authorized by law to

invest moneys and shall be approved by the Commission. A schedule of such securities shall be annexed hereto and 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. In case any of the securities so deposited shall, in the opinion of the Commission, at any time cease to be of the character of securities in which the savings banks of the State of New York are then authorized by law to invest moneys or shall in the opinion of the Commission at any time become of less value than the value stated for it or them in the said schedule, then within ten (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 to hold such amount in lieu of such securities, as if part of the original deposit or as if deposited with the Comptroller as aforesaid, and such amount shall in such case be deemed to be paid to the Contractor upon this contract. The securities so objected to shall upon such substitution of securities or deposit of cash in lieu thereof be returned to the Contractor.

City to Collect Interest.

The City shall from time to time collect all interest, dividends or other profits or 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 at the average rate of interest received by the City on its bank balances during such period. Provided, however, that the Contractor shall not be entitled to interest, dividends or income on any cash which shall be used or applied as hereinafter provided on any securities the proceeds of which shall be used or applied as hereinafter provided.

Security For.

Article XXIX. The said deposit, whether in cash or securities, in the form and as the same shall at any time be, shall be security for the faithful performance by the Contractor of all the covenants, conditions and requirements specified and provided for in this contract. In case of any default on the part of the Contractor in such performance and in the further case that the City shall for or by reason of such failure, whether by reason of employment of another contractor or contractors or otherwise, incur or become liable for expense or be required to make any payment or incur or suffer any loss or damage, then the Comptroller shall, upon the requirement of the Commission, forthwith pay or apply to the use of the City the amount of such expense, payment, loss or damage, including any liquidated damages, out of the said deposit in cash or securities or out of the portion of the deposit remaining at the time.

Sale of Securities.

Article XXX. The Comptroller shall, upon the requirement of the Commission, in order to make such payment or application to the use of the City, sell at public auction in New York any of the securities which may then constitute part of such deposit upon notice to be published in three daily newspapers, the first publication to be 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 shall, upon the requirement of the Commission, deduct from the proceeds of any such sale all expenses thereof and of such advertisement and pay and apply to the use of the City so much of the residue of such proceeds as may be necessary for the purpose aforesaid. And the Contractor within ten (10) days after notice from the Commission so to do shall by further deposit, according to the requirement of the Commission, of money or securities of the character aforesaid approved by the Commission restore the said deposit with the Comptroller to the full amount originally required; and in case the Contractor shall not within such ten (10) days or such further time, if any, as may be granted by the Commission, make such further deposit of money or securities, he shall, if the Commission so elect, be deemed to be in default in the performance of his obligations under this contract; and in addition to any and all other remedies against the Contractor the Commission may require the Comptroller 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 money so deducted as if part of the original deposit or as if deposited with him as aforesaid; and such amount shall in such case be deemed to be 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 of and in behalf of the City, bring any appropriate suit or proceeding in any proper court to enforce the lien and claim of the City in and upon the said deposit, whether such deposit be in money or securities.

Retention of Security.

Article XXXI. If at any time when the Contractor shall otherwise be entitled to a return of the said deposit, there shall be pending any claim for 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, for which it shall be claimed that the City shall be liable, then and in that case the said deposit or such part thereof as the Commission may prescribe shall, upon the requirement of the Commission, be reserved by the Comptroller for a reasonable time as security to the City against such claims. And the amount of any such damages or costs paid by the City to others or for which the City shall be liable to others shall be deducted from the said deposit before the same shall be returned to the Contractor as hereinafter provided. For the purpose of making such deduction the Comptroller may sell any of the securities which may constitute part of such deposit in the manner provided in Article XXX.

On Completion of Work.

Article XXXII. When the Contractor shall have fully completed the Works according to the terms of this contract and the Commission shall so certify, the Comptroller shall pay and deliver to the Contractor the said deposit or so much thereof as shall not have been reserved or used or applied for any of the purposes above mentioned.

Retained Percentages.

Article XXXIII. In addition and as further security there shall be deducted fifteen per centum (15%) of the amounts certified from time to time to be due to the Contractor until the amount so deducted and retained shall equal ten (10) per centum of the total estimated amount to be paid to the Contractor under this contract as calculated from the estimated approximate quantities and the prices as contained in the Schedule of Unit Prices in the Contractor's Proposal. Thereafter there shall be so deducted and retained for such purpose ten (10) per centum of the amounts certified from time to time to be due to the Contractor. Such retained percentages shall be held as further security for the faithful performance by the Contractor of all the conditions, covenants and requirements specified and provided for in this contract. The Contractor may from time to time withdraw portions of the amounts so retained upon depositing with the Comptroller corporate stock of the City of a market value equal to the amount 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 XXXV. In order to assist the Contractor to prosecute the work advantageously, the Engineer shall, from time to time, as the work progresses, but not 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 of Unit Prices), provided, however, that estimates may at any time be withheld or reduced if, in the opinion of the Engineer, the work is not proceeding in accordance with this contract. 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 dollars ($10,000). The Engineer shall further include accepted structural steel delivered on the site of the work or on property owned or leased by the City, but not incorporated in the work, at an amount equal to sixty (60) per centum of the average price stipulated for such steel. Such average price shall be obtained by dividing the sum of the prices stipulated in Schedule Items 19 and 20 by 2. But the quantity of such structural steel included in any partial estimate or estimates shall not exceed the quantity of such material, as determined by the Engineer, required for the ensuing six (6) months, and any material included in a partial estimate which may subsequently become unsatisfactory shall be deducted from succeeding partial estimates. All such steel so accepted shall be and become the property of the City. No materials not incorporated in the work, excepting such structural steel, shall be included in any estimate. Whenever the Contractor shall in the opinion of the Engineer have fully completed all work necessary for the temporary support, maintenance, safety and protection of the subsurface rapid transit railroad in Lafayette Street, with its station entrances and appurtenances, in accordance with the terms of this contract, the Engineer shall, subject however to all the provisions of this contract, include in the next partial estimate one-half (½) of the price stipulated in Schedule Item 76-B. Whenever the Contractor shall in the opinion of the Engineer have fully completed all work necessary for the permanent support, maintenance, underpinning, safety and protection of such existing subsurface rapid transit railroad, with its station entrances and appurtenances, in accordance with the terms of this contract and shall in the opinion of the Engineer have completed the construction of the Railroad under and adjacent to such existing subsurface rapid transit railroad and shall have completed all other work which in the opinion of the Engineer might affect such existing subsurface rapid transit railroad, the Engineer shall, subject however to all the provisions of this contract, include the remaining one-half (½) of the price stipulated in Schedule Item 76-B in the next partial estimate after the completion of such work. Whenever the Contractor shall in the opinion of the Engineer have fully completed all work necessary for the permanent support, maintenance, underpinning, safety and protection of the subsurface rapid transit railroad in Centre Street, with its station entrances and appurtenances, in accordance with the terms of this contract and shall in the opinion of the Engineer have completed the construction of the Railroad under and adjacent to such existing subsurface rapid transit railroad and shall have completed all other work which in the opinion of the Engineer might affect such existing subsurface rapid transit railroad, the Engineer shall, subject however to all the provisions of this contract, include the price stipulated in Schedule Item 76-C in the next partial estimate. The Engineer shall, subject however to all the provisions of this contract, further include in each partial estimate after the Contractor shall have begun actual work east of Centre Street affecting the subsurface rapid transit railroad in Canal and Walker Streets a proportionate share or amount, to be estimated by the Engineer, of the price stipulated in Schedule Item 76-F, such proportionate share or amount being determined by the proportion that the period during which the work included in such partial estimate was performed bears to the total period remaining between the date when such actual work east of Centre Street was begun and the expiration of the time stipulated in this contract for the completion of the Works.

Not by Strict Measurements.

Article XXXVI. Such estimates shall not be required to be made by strict measurement, but they may be made by measurement or by estimation or partly by one method and partly by the other, and it shall be sufficient if they are approximate only.

Vouchers.

Article XXXVII. Upon each such estimate being made and certified in writing to the Commission, the Commission shall forthwith prepare and certify a voucher for eighty-five (85) or ninety (90) per centum of the amount stated in such estimate or certified to be the value of the work done and materials furnished as provided in Article XXXIII, and the City shall within thirty (30) days after the date of the certification of such voucher by the Commission pay the same; provided, however, that the City may at all times reserve and retain from said partial payments or any of them, in addition to the ten (10) or fifteen (15) per centum above mentioned to be retained and reserved, any sum or all sums which by the terms hereof or of any law of the State of New York it is or may be authorized to reserve or retain.

Final Estimate.

Article XXXVIII. Whenever, in the opinion of the Engineer, the Contractor shall have completely performed this contract on his part 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 such work under and according to the terms of this contract as stated in such last-mentioned certificate all such sums as shall theretofore have been paid to the Contractor under any of the provisions of this contract (exclusive of interest if any, paid under the provisions of Article XXXIX) and also any sum or all such sums of money as by the terms hereof the City is or may be authorized to reserve or retain; provided, that nothing herein contained shall be construed to affect the right, hereby reserved, of the Commission to reject the whole or any portion of the aforesaid work should the said certificate be found or known to be inconsistent with the terms of this contract or otherwise improperly given. All prior certificates upon which partial payments may have been made, being merely estimates, shall be subject to correction in the final certificate, which final certificate may be made without notice thereof to the Contractor or of the measurements upon which it is based.

Interest in Case of Delayed Payments.

Article XXXIX. If the payment of the amount due the Contractor or any voucher shall be delayed beyond the time stipulated in Article XXXVII in the case of partial payment or Article XXXVIII in the case of final payment, the City shall pay 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 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.

No Estoppel.

Article XL. The City shall not nor shall any Department or officer thereof be precluded or estopped by any return or certificate made or given by the Commission, any Engineer or other officer, agent or appointee thereof under any provision of this contract from at any time either before or after the final completion and acceptance of the work and payment therefor pursuant to any such return or certificate showing the true and correct classification, amount, quality and character of the work done

and materials furnished by the Contractor or any other person under this contract or from showing at any time that any such return or certificate is untrue and incorrect or improperly made in any particular or that the work and materials or any part thereof do not in fact conform to the specifications; and the City shall not be precluded or estopped, notwithstanding any such return or certificate and payment in accordance therewith, from demanding and recovering from the Contractor such damages as it may sustain by reason of his failure to comply with this contract or the specifications.

No Waiver.

Article XLI. Neither the acceptance of the Commission or its Engineer or any of its employees nor any order, measurement or certificate by the Engineer nor any order by the Commission for payment of money nor any payment for, nor acceptance of, the whole or any part of the work by the Engineer or the Commission nor any extension of time nor any possession taken by the Commission or its employees shall operate as a waiver of any portion of this contract or of any power herein reserved to the Commission or of any right to damages herein provided; nor shall any waiver of any breach of this contract be held to be a waiver of any other or subsequent breach.

Final Payment to Terminate Liability of City.

Article XLII. The acceptance by the Contractor of the final payment aforesaid shall be and shall operate as a release to the City from all claim and liability to the Contractor for anything done or furnished for, or relating to, the work, or for any act or neglect of the Commission, the City, or of any person relating to or affecting the work, except only the claim against the City for the remainder, if any there be, of the amounts kept or retained as provided in this contract.

Contractor's Claims for Damages—Statements of Damage to Be Filed with Engineer.

Article XLIII. If the Contractor shall claim compensation for any damage sustained by reason of any act, neglect, fault or default of the Commission or its agents, he shall, within ten (10) days after the sustaining of such damage, make a written statement to the Engineer of the nature of the damage sustained. On or before the fifteenth day of the month succeeding that in which any such damage shall have been sustained, the Contractor shall file with the Engineer an itemized statement of the details and amount of such damage, and unless such statement shall be made as thus required, his claim for compensation may in the discretion of the Commission be forfeited and invalidated and he shall not be entitled to payment on account of any such damage.

Lien Law.

Article XLIV. 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 contact shall file with the Commission and with the Comptroller of the City 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 by the City 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 thereafter becoming due to the Contractor hereunder.

CHAPTER VI.

Contractor's Liability for Injuries to Persons or Property.

Contractor Approves Plans as Involving no Damage.

Article XLV. The Contractor expressly admits and covenants that the drawings and specifications and other provisions of this contract, if the work be done without fault or negligence on the part of the Contractor, do not involve any danger to the foundations, walls or other parts of adjacent, abutting or overhead buildings or structures or surfaces; and the Contractor will at his own expense make good any damage that shall, in the course of construction, be done to any such foundations, walls or other parts of adjacent, abutting or overhead buildings or structures or surfaces. The liability of the Contractor under this covenant is absolute and is not dependent upon any question of negligence on his part or on the part of his agents, servants or employees, and the neglect of the Engineer to direct the Contractor to take any particular precautions or to refrain from doing any particular thing shall not excuse the Contractor in case of any such damage.

It is the intention of the parties to this contract that in addition to indemnifying the City against all claims for damages, the Contractor shall also be liable to the owners of adjacent, abutting or overhead property or of buildings or structures thereon and to all tenants or occupants of such buildings or structures for all physical injuries to property or person which may be occasioned by the work of construction, even in cases where such owners, tenants or occupants have no legal claim against the City for such injuries.

Traffic to be Maintained.

Article XLVI. The Contractor shall, during the performance of the work safely maintain the traffic on streets, avenues, highways and other public places as provided in the specifications and shall take all necessary precautions and place proper guards for the prevention of accidents and shall put up and keep at night suitable and sufficient lights.

Indemnification for Accidents, etc.

Article XLVII. The Contractor shall be solely responsible for all physical injuries to persons 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 persons or property and from all costs and expenses in suits which may be brought against the City for such injuries to persons or property; it being distinctly understood, stipulated and agreed that the Contractor shall be solely responsible and liable for and shall fully protect and indemnify the City against all claims for damages to persons or property occasioned by or resulting from blasting or other methods or processes in the work of construction whether such damages be attributable to negligence of the Contractor or his employees or otherwise.

Money Due the Contractor May be Retained to Meet Claims.

Article XLVIII. In case any claim shall be made by any person or corporation against the Contractor or the City for injury or alleged injury to person or property or for infringement or alleged infringement of patents, 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 hereinbefore authorized to be so retained) as security for the payment of such claim or claims. If and when the liability of the City or the Contractor on such claim or claims shall have been established by a judgment of a court of competent jurisdiction or 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 claims for injuries or alleged injuries to person or property or for infringement or alleged infringement of patents 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 a sum in its judgment sufficient to protect the City in regard to all unsatisfied claims as aforesaid, and in case the amount thus retained should be insufficient to pay the amount adjudicated to be due upon such 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, 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.

Examination of Abutting Property.

Article XLIX. In order to safeguard the owners or tenants of adjacent or abutting property and at the same time prevent unjust or fraudulent claims against the Contractor or the City in respect thereto, the Engineer shall cause a detailed examination of all adjacent or abutting property to be made before construction is begun. The owner or tenant of each parcel or his or their duly authorized representative shall be invited to be present by a notice in writing delivered to a person apparently in charge of the premises, and the Contractor or his duly authorized representative shall attend and with the Engineer shall make such detailed examination. A complete record of the existing conditions of each parcel shall be made in triplicate, signed by the Engineer and the Contractor, and one copy shall be delivered to the owner, one to the Contractor and one shall be retained by the Commission. At such times as the Engineer may direct, and upon the completion of the work, or upon notice to the Engineer by the owner or tenant that physical injury has occurred, further examination shall be made and the findings recorded and filed as above.

Damage to Works During Construction.

Article L. All risk of loss or damage to the Works or to any part thereof or to any of the materials, plant, tools, appliances or other things used in doing the work prior to final completion is assumed and shall be borne by the Contractor, and any such loss or damage shall be made good by the Contractor at his own cost, and the construction shall be carried forward by him in accordance with this contract without additional cost to the City by reason of such loss or damage.

CHAPTER VII.

City to Secure Contractor Against Interference by Injunctions, Etc.

City's Assurances to Contractor of Right to Construct.

Article LI. The City hereby stipulates and covenants to and with the Contractor that the City will secure and assure to the Contractor so long as the Contractor shall perform the stipulations of this contract, the right to construct the Railroad as prescribed in this contract free of all right, claim or other interference, whether by injunction, suit for damages or otherwise, on the part of any owners, abutting owner, or other person; but not including any interference, legal or otherwise, by patentees or persons claiming to be patentees of tools, methods or appliances.

Claims for Infringement of Patents.

Article LII. The Contractor shall hold himself and shall be responsible for any claims made against the City for any infringement of patents by the use of patented articles in the performance or completion of the work or of any process connected with the work or 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 be obliged to pay by reason of any such infringement.

CHAPTER VIII.

Time for Completion, Damages for Delay, Etc.

Commencement and Completion of Work.

Article LIV. Time is of the essence of this contract. The Contractor shall begin actual work within sixty (60) days after the date of delivery of this contract and shall thenceforth prosecute the work continuously and diligently. The entire work covered by this contract shall be completed in all respects within thirty-two (32) months from the date of delivery of this contract.

Price to Be Reduced for Delay.

Article LV. In the event of delay in completion of the Works beyond the period herein prescribed or beyond the period to which such time may be extended by resolution of the Commission, for good cause shown, the City shall—whether the working force be increased as provided in the specifications or not—be paid damages for such delay. Inasmuch as the amount of such damages will be extremely difficult to ascertain, especially in view of the fact that the Railroad herein contracted for is only a part of a complete system, the remainder of which is to be constructed under other contracts, it is hereby expressly agreed that 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 three hundred dollars ($300), which sum is hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such default. The City shall have the right to deduct such amounts from any moneys due or to become due to the Contractor under this contract. But in case the Contractor shall be delayed by reason of any labor strike not caused or instituted or provoked by the Contractor or by any sub-contractor, agent or representative of the Contractor or in case the Contractor shall be delayed by any injunction or by any interference of public authority whereby the suspension of the whole or any part of the work by the Commission as provided in Article LVII and in case the Contractor cannot, notwithstanding such strike, injunction, interference 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-two (32) months by the amount of the time of such delay as determined by the Commission.

Commission May Intervene in Case of Injunction.

Article LVI. But no injunction, strike or interference of public authority shall be ground for such extension unless and until the Contractor shall give the Commission notice of the injunction or other cause of delay, with copies of the injunction or other orders and of the papers upon which the same shall have been granted, and no extension shall be granted except for the delay occasioned after the giving of such notice. Nor shall any extension be granted in any case unless the Contractor shall prove to the satisfaction of the Commission all the facts which entitle him to such extension. The Commission and the City or either shall be accorded the right to intervene or become a party to any suit or proceeding in which any such injunction shall be obtained, and to move to dissolve the same or otherwise, as the Commission or the City may deem proper. If necessary the Corporation Counsel or the Counsel to the Commission or both shall be authorized by the Contractor to appear for that purpose as counsel or attorneys for him.

Suspension of Work and Additional Time for Performance.

Article LVII. 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.

Only One Period of Extension.

Article LVIII. Only the actual delay necessarily resulting from one or more of the causes above mentioned shall be ground for extension of time, and in case the Contractor shall be delayed at any time or for any period by two or more of the causes above mentioned, only one period of extension, if any, shall be granted for such delay and the Contractor shall not be entitled to a separate extension for each one of the causes so operating, it being understood that only the actual period of necessary delay, as determined by the Commission, irrespective of the number of causes contributing to produce such delay, will be ground for extension of time.

Permission to Complete Contract Not a Waiver.

Article LIX. The permitting of the Contractor to go on and finish the work or any part of it after the time fixed for its completion or after the date to which the time for completion may have been extended or the making of partial payments to the Contractor after any such periods shall in no wise operate as a waiver on the part of the City of any of its rights under this contract.

CHAPTER IX.

Remedies in Case of Contractor's Default.

In Case of Default.

Article LX. 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 executing the same in bad faith or not in accordance with the terms thereof, or if the work be not fully completed within the time named in this contract for its completion or within the time to which the completion of 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

May Take Charge of Work.

(1) The Commission may notify the Contractor, by a written notice, to discontinue all work or any part thereof under this contract, and thereupon the Contractor shall discontinue the work or such part thereof, and the Commission shall thereupon have the right to contract for the completion of the Works or such part thereof in the manner prescribed by law or to place such and so many persons as it may deem advisable by contract or otherwise, to work and complete the work herein described or such part thereof, to take possession of and use any or all of the materials, plant, tools, equipment, supplies and property of every kind provided by the Contractor for the purpose of his work, and to procure other materials for the completion of the same, and to charge the expense of said labor and materials to the Contractor. The expense so charged shall be deducted and paid by the City out of such moneys as may be due

or may at any time thereafter grow due to the Contractor under and by virtue of this contract. And in case such expense shall exceed the amount which would have been payable under this contract if the same had been completed by the Contractor, he shall pay the amount of such excess to the City; and in case such expense shall be less than the amount which would have been payable under this contract if the same had been completed by the Contractor, he shall forfeit all claim to the difference; and when any particular part of the work is being carried on by the Commission, by contract or otherwise, under the provisions of this Article, the Contractor, 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 nowise to hinder or interfere with other contractors of the Commission or with the persons or workmen employed, as above provided, by the Commission, by contract or otherwise, to do any part of the work or to complete the same under the provisions of this Article. The Contractor shall also in any and every such case and in the case of any and every act, neglect, delay, fault or default of the Contractor, in addition to the liability above expressed, pay to the City as liquidated damages for any delay resulting therefrom in the construction and completion of said portion of said rapid transit railroad which the Contractor herein agrees to construct with its appurtenances the sum of three hundred dollars ($300) for each and every day, except Sundays and legal holidays, of such delay, which sum is hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such delay in the construction and completion of said railroad. And

Or Proceed Upon Bond.

(2) The City may also proceed as to the Commission shall seem proper upon the Bond or other security in its possession. And

Or May Bring Suit.

(3) The City may also bring any suit or proceeding for specific performance or for injunction or to recover damages or to obtain any other relief or for any other purpose proper under this contract.

Remedies.

Article LXI. The City may avail itself of each and every remedy herein specifically given to the City or now or hereafter existing at law or in equity or by statute, and each and every such remedy shall be in addition to every other remedy so specifically given or otherwise so existing and may be exercised from time to time and as often and in such order as may be deemed expedient by the Commission, and the exercise, or the beginning of the exercise, of one remedy shall not be deemed to be a waiver of the right to exercise, at the same time or thereafter, any other remedy, except that no two inconsistent remedies shall be exercised at the same time.

CHAPTER X.

Miscellaneous Provisions.

Changes in the Contract.

Article LXII. No correction or change in this contract shall be made except by written instrument duly authorized by the Commission and consented to by the Contractor and by the sureties upon his bond; but this provision shall not limit or affect the right to prescribe variations whether of construction or location of route as in this contract elsewhere provided.

Members of Commission Not Liable.

Article LXIII. 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.

Contractor Not to Assign, Sublet, Etc.

Article LXIV. 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 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 LXV. 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 LXVI. 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 on, about or in connection with which such labor is performed, in its final or completed form to be situated, erected or used; and that each such laborer, workman or mechanic employed by the Contractor or by any sub-contractor or other person on, about or upon the work contemplated by this contract, shall receive such wages herein provided for. This contract shall be void and of no effect, unless the Contractor shall comply with the provisions of this section. In obedience to the requirements of Section Fourteen of the Labor Law it is further provided that if the provisions of the said Section Fourteen are not complied with, this contract shall be void.

All Necessary Legal Provisions Deemed Inserted Herein.

Article LXVII. 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 and without prejudice to the rights of either party hereunder.

Provision in Case of Unlawful Provision.

Article LXVIII. 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 the contract without affecting the binding force of the contract as it shall remain after omitting such provision.

In Witness Whereof, this contract has been executed for The City of New York by the Public Service Commission for the First District under and by resolution duly adopted by the Commission and the seal of the Commission has been hereto affixed and attested by its Secretary and these presents have been signed by its Chairman; and the Contractor has* (hereunto set 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.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By ....., Chairman.

Attest: ....., Secretary.

State of New York, County of New York, ss.:

On the 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 the same was affixed to the foregoing instrument by the authority of the said Commission and of a resolution duly adopted by the same.

State of New York, County of New York, ss.:

On this day of , 1914, before me personally came to me known and known to me to be the individual described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same.

State of New York, County of New York, ss.:

On this day of , 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 instrument; 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.

(Form of Contractor's Bond; Form of Contractor's Proposal; Affidavit of Verification and Index follow here.)

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 May 26, 1914, the Board of Estimate and Apportionment hereby consents to the proposed contract as amended by an agreement, approved by the Corporation Counsel, to be entered into between The Underpinning and Foundation Company, and The City of New York acting by the Public Service Commission for the First District, for the following purpose:

For the construction in the Borough of Manhattan of Section No. 2 of Route No. 20, being that portion of the Broadway-Fourth Avenue Rapid Transit Railroad, beginning at a point under Canal Street, about thirty (30) feet east of the easterly building line of Broadway and extending thence easterly under Canal Street to a point about thirty-five (35) feet east of the easterly building line of the Bowery, at an estimated cost of one million eight hundred and twenty-two thousand and nine hundred and ninety-four dollars and twenty-five cents ($1,822,994.25); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of the proceeds of corporate stock available for the said purpose shall be one million eight hundred and twenty-two thousand nine hundred and ninety-four dollars and twenty-five cents ($1,822,994.25); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to the amount of one million, eight hundred and twenty-two thousand nine hundred and ninety-four dollars and twenty-five cents ($1,822,994.25) at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds to the amount of the par value thereof to be applied to the purposes mentioned in the communication of the Public Service Commission for the First District to this Board dated May 26, 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 purposes 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 Comptroller, the President of the Board of Aldermen and the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn and the Presidents of the Boroughs of The Bronx, Queens and Richmond—16.

President, Borough of Queens—Modification of Schedule (Cal. No. 3).

The Secretary presented a report of the Committee on Salaries and Grades on the request of the President of the Borough of Queens for the modification of Schedule 661TCS.

The report of the Bureau of Standards shows that the purpose is to reduce the line Junior Chemist, $1,200 to $900, and increase the line Chemist, $1,800 to $2,100, to provide for an increase in the salary of Mr. P. M. Travis, Chemist in Charge of the Laboratory. The Committee considers the case exceptional and recommends adoption of a resolution granting the request.

(On July 2 and 9, 1914 (Cal. No. 39), the above matter was laid over; on the latter date until this meeting.)

Which was laid over until July 30, 1914.

Office of Supervisor of the City Record—Establishment of Grades of Positions of Stenographter and Typewriter and of Examiner (Cal. No. 4).

The Secretary presented a report of the Committee on Salaries and Grades on the request of the Supervisor of the City Record for establishment of grades of Stenographer and Typewriter, at $900 per annum, for two incumbents, and Examiner, at $1,800, for one incumbent.

The report of the Bureau of Standards shows that the purpose is to provide for increasing the salaries of present employees, and while the incumbents are worthy of the increases requested, there is nothing exceptional in the cases. In view of the statement of the Bureau the Committee recommends that the request for the grade of Examiner be denied and the other request be returned to the Supervisor of the City Record, with privlege to renew in the departmental estimate for 1915.

(On June 12, 1914 (Cal. No. 41), the above report was laid over until July 2, 1914.)

(On July 2 and 9, 1914 (Cal. No. 40), this matter was laid over; on the latter date to this meeting).

Which was laid over until July 30, 1914.

Department of Education—Modification of Schedule (Cal. No. 5).

The Secretary presented a report of the Committee on Salaries and Grades, recommending that the request of the Board of Education for the modification of salary schedule No. 853 (Audit and Accounts) for the year 1914, to provide for increasing the salary of a Clerk from $1,200 to $1,500 per annum and the elimination of the position of Examiner of Claims at $1,500 per annum, be held in abeyance for consideration in connection with the Budget for the year 1915, in so far as the modification of the schedule provides for the salary increase.

(On June 5, 1914, the above report was laid over for one week, and on June 12, 1914, until July 2, 1914.)

(On July 2 and again on July 9, 1914 (Cal. No. 41), this matter was laid over; on the latter date to this meeting.)

Which was laid over until July 30, 1914.

Department of Education—Establishing the Grade of Position of Electrical Inspector (Cal. No. 6).

The Secretary presented a report of the Committee on Salaries and Grades, referring to the request of the Board of Education for the establishment of the grade of position of Electrical Inspector at $2,100 per annum for one incumbent, for the purpose of increasing the salary of Frank A. Gunnell from $1,570 to $2,100 per annum, and recommending that this request be held in abeyance for consideration in the Budget for the year 1915.

(On May 22, 1914 (Cal. No. 48B), request as above was referred to said Committee.)

*If the Contractor is an individual, use the words enclosed in the first parenthesis; if a corporation, use the words enclosed in the second parenthesis.

(On June 5 and June 12, on July 2 and 9, 1914 (Cal. No. 42), this matter was laid over; on the latter date to this meeting.)

Which was laid over until July 30, 1914.

President, Borough of Queens—Modification of Schedule (Cal. No. 7).

The Secretary presented a report of the Committee on Salaries and Grades, recommending, in view of the statement submitted by the Bureau of Standards, that the request of the President of the Borough of Queens, dated March 24, 1914, for the modification of Salary Schedule No. 695, to provide for increasing the salary of a Plan Examiner from $1,050 to $1,200 per annum, be considered by the Committee on Tax Budget in connection with the Budget for the year 1915.

A resolution denying request, with leave to recommend in the Departmental Estimate for 1915, is submitted.

(On May 1, May 22, June 19, July 2 and July 9, 1914 (Cal. No. 43), this matter was laid over; on the latter date until this meeting.)

Which was laid over until July 30, 1914.

Department of Taxes and Assessments—Modification of Schedule (Cal. No. 8).

(On April 17, 1914 (Cal. No. 78), the report of the Committee on Salaries and Grades, referring to the request of the Board of Taxes and Assessments for the readjustment of salary schedule No. 151 for said Department for the year 1914, to provide for an increase in the salary of a Clerk from $750 to $900 per annum, by reducing a vacant position of Clerk at $750 to $540 per annum, also to the report of the Bureau of Standards on said request, wherein it is stated that if the request of the Tax Department could properly be considered by itself and on its own merits, it could be granted, but that an increase for one Clerk should be considered only as a part of a general readjustment of the salaries of all Clerks in the Department doing the same kind of work, etc., was presented and laid over to April 24, 1914 (Cal. No. 16); on April 24, 1914, the matter was laid over to May 1, 1914 (Cal. No. 162); on May 1, 1914, to May 22, 1914 (Cal. No. 59); on May 22, 1914, to June 19, 1914 (Cal. No. 102); on June 19, 1914, to July 2, 1914 (Cal. No. 125); on July 2, 1914, to July 9, 1914 (Cal. No. 44), and on the latter date to this meeting.)

(Hon. Lawson Purdy, President of the Department of Taxes and Assessments, appeared at the meeting of the Board on July 9, 1914, and urged favorable consideration of the request.)

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Taxes and Assessments, for the year 1914, as follows:

Personal Service, Salaries Regular Employees.

151	Assessment of Property—	
	Surveyor	$7,000 00
	Deputy Tax Commissioner	4,500 00
	Deputy Tax Commissioner, 8 at $4,000	32,000 00
	Deputy Tax Commissioner, 6 at $3,500	21,000 00
	Deputy Tax Commissioner, 13 at $3,250	42,250 00
	Deputy Tax Commissioner, 5 at $3,000	15,000 00
	Deputy Tax Commissioner	2,850 00
	Deputy Tax Commissioner, 16 at $2,700	43,200 00
	Deputy Tax Commissioner, 13 at $2,550	33,150 00
	Deputy Tax Commissioner, 36 at $2,400	86,400 00
	Chief Clerk	3,000 00
	Chief Clerk, 3 at $2,550	7,650 00
	Clerk, 7 at $1,800	12,600 00
	Clerk, 5 at $1,650	8,250 00
	Clerk, 24 at $1,500	36,000 00
	Clerk, 19 at $1,350	25,650 00
	Clerk, 14 at $1,200	16,800 00
	Clerk, 26 at $1,050	27,300 00
	Clerk, 11 at $900	9,900 00
	Clerk, 22 at $750	16,500 00
	Clerk, 4 at $600	2,400 00
	Clerk, 3 at $540	1,620 00
	Searcher, 4 at $1,500	6,000 00
	Searcher	1,350 00
	Searcher, 3 at $1,200	3,600 00
	Stenographer & Typewriter, 2 at $1,500	3,000 00
	Stenographer & Typewriter	1,200 00
	Messenger, 3 at $1,350	4,050 00
	Book Typewriter, 5 at $1,050	5,250 00
	Balance Unassigned	60 00
	Schedule Total	$479,530 00

Which was adopted by the following vote:

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

Department of Docks and Ferries—Establishment of Grade of Position of Assistant Engineer and Modification of Schedule (Cal. No. 9).

The Secretary presented a report of the Committee on Salaries and Grades, referring to the request of the Commissioner of Docks for the establishment of the grade of position of Assistant Engineer at $5,000 per annum for 2 incumbents and the revision of salary schedule for the year 1914, in order to provide increases in salaries for Romeo T. Betts and Charles E. Trout, Assistant Engineers, from $4,000 to $5,000, and of Philip Guise, Assistant Engineer, from $2,700 to $4,000 per annum.

The Committee recommends, in view of the statements submitted by the Bureau of Standards, that so much of the request as relates to increasing the salaries of Messrs. Betts and Trout, *be denied,* but that the request for increasing the salary of Mr. Guise be returned, without prejudice, to the Commissioner of Docks, as on the merits of the case the work performed by Mr. Guise warrants a higher compensation, but it is believed that the question of increased compensation should be considered in the Budget request for the year 1915 as a part of the problem of readjustments of compensation in said Department.

A resolution is submitted for adoption modifying Salary Schedule No. 2804TC, providing for the placing of $3,630 in the unassigned balance by abolishing the positions of Chainman and Rodman at $1,080 per annum, Stenographer and Typewriter, at $900 per annum, and Captain, 100-ton derrick, at $1,650 per annum.

(On April 3, 1914, the above request was referred to said committee.)

(On April 24, 1914, a communication was presented from the Commissioner of Docks withdrawing the request, and the report of the Committee as above was laid over for one week.)

(On May 1 and 22, June 19, July 2 and 9, 1914 (Cal. No. 45), this matter was laid over; on the latter date until this meeting.)

On motion, the matter was laid over until July 30, 1914.

Department of Education—Modification of Schedules (Cal. No. 10).

The Secretary presented a report of the Committee on Salaries and Grades referring to the request of the Board of Education for the modification of Salary Schedules Nos. 852, 854, 860TC and 866 for the year 1914, and recommending that the modification of Schedule No. 852 to provide for increasing the salary of Miss Elizabeth C. Gillies, Clerk, from $750 to $900 per annum, be held in abeyance for consideration in the Budget for 1915; that Schedule No. 854 be modified in accordance with the request; that Schedule No. 860TC be modified to provide for increasing the salary of James J. Sheridan, an Inspector of Repairs, receiving $1,884, to Assistant Chief of Sanitary Division at $2,400; and that Schedule No. 866 be also modified in accordance with the request. These modifications to be effective as of the dates indicated in the accompanying resolutions.

(On June 26, 1914 (Cal. No. 36), the Board adopted three resolutions modifying Salary Schedules Nos. 854, 860TC and 866, in accordance with the recommendation of the Committee on Salaries and Grades, but deferred action until this meeting on the recommendation of the Committee that the modification of Schedule No. 852, to provide for increasing the salary of Miss Elizabeth C. Gillies, Clerk, from $750 to $900 per annum, be held in abeyance for consideration in the Budget for 1915.)

(On July 2 and 9, 1914 (Cal. No. 47), this matter was laid over; on the latter date to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Board of Estimate and Apportionment—Matter of Allowing Salary Increases in the Budget for the Year 1915 (Cal. No. 11).

The Board took up the consideration of the matter of allowing increases in salaries in the Budget for the year 1915.

(On May 22, 1914, consideration of this subject was fixed for the meeting of June 12, 1914, and on that date was deferred until July 2, 1914.)

(On July 2, 1914, the matter was laid over for one week, and on July 9, 1914 (Cal. No. 177), was laid over to this meeting.)

On motion, the matter was laid over until July 30, 1914.

Bellevue and Allied Hospitals—Issue of Corporate Stock (Cal. No. 12).

(On April 24, 1914, (Cal. No. 4), the request of the Secretary, Board of Trustees, Bellevue and Allied Hospitals, in this matter, was referred to the Committee on Corporate Stock Budget.)

(On July 9, 1914, (Cal. No. 179), the report of the Committee on Corporate Stock Budget thereon was presented and laid over until this meeting, under Rule 19.)

The Secretary presented a communication from the Secretary, Board of Trustees, Bellevue and Allied Hospitals, dated April 17, 1914, requesting an issue of Corporate Stock for the purpose of completing the new Harlem Hospital, in the sum of $85,000; and the following report of the Committee on Corporate Stock Budget, recommending an issue of $59,000 corporate stock:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 26, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On April 24, 1914, you referred to the Corporate Stock Budget Committee a comunication from the Trustees of Bellevue and Allied Hospitals, dated April 17, 1914, requesting an issue of corporate stock in the sum of $85,000 for the completion of the new Harlem Hospital, tabulated, as follows:

Equipment of new ward wing	$35,000 00
Enlarging mechnical plant at power house	25,000 00
Additional vault space	10,000 00
Remodelling of gardens, paths and driveways	15,000 00
	$85,000 00

At various times since 1905, construction contracts, aggregating approximately $963,000, have been awarded for building operations at Harlem Hospital. Contemplated alterations to the present buildings are estimated at approximately $120,000. Bids will soon be requested for the work.

A new ward wing now under construction will double the bed capacity at the hospital, and the alterations in the present hospital building will form new rooms therein.

The item of $35,000 requested for equipment is for the necessary equipment of the new ward wing and new rooms in the present hospital building.

It is necessary to provide for hospital and surgical equipment, lighting fixtures, metal lockers and cupboards, awnings, screens, clothes racks, kitchen equipment and refrigerators.

It is proposed to replace some of the kitchen equipment and refrigerators now in use with new equipment and charge the cost thereof to corporate stock. The kitchen equipment to be replaced is the following:

One warming closet, one cook's table, three coffee urns, one bain marie box, two stock boilers, two vegetable boilers.

Portable refrigerators are now used in the diet kitchens, reception ward and chemical laboratory in the present building. It is proposed to replace these refrigerators with new ones connected to the brine circulating system installed under another contract. The main kitchen refrigerator and refrigerator in basement, now connected to the refrigeration system are to be replaced with new and larger boxes.

It appears that a reasonable estimate of the necessary equipment properly chargeable to corporate stock including architect's fees, is $30,000, and of equipment that is in the nature of repairs and replacements and therefore not properly chargeable to corporate stock funds is $2,000.

The item of $25,000 for enlarging the mechanical plant at the power house is for the installation of additional filters, a new suction tank, new pumps, an additional refrigeration unit and other minor items.

The capacity of the filters now in use is 140 to 200 gallons of Croton water per minute. At the busiest time the consumption of water for various purposes at the institution is 170 gallons per minutes and with the additional buildings and additions, it is estimated that the consumption will be not far from 340 gallons per minute. More filters are therefore necessary.

The suction tank now in use is not of sufficient capacity and should be replaced with a larger one.

The ice-making plant produces 500 pounds of ice per day and furnishes refrigeration through brine coils to the morgue and four widely scattered boxes. This plant will have to be increased in size to care for 14 refrigerators to be installed in the new ward wing and the present hospital in addition to the morgue and nurses' home. It is proposed to install an additional unit to be used in conjunction with the present unit in supplying necessary refrigeration. The amount of ice now being produced daily will not be increased as it is estimated that 500 pounds will be sufficient for necessary cracked ice for hospital purposes.

The additional equipment should cost approximately $21,000, including architect's fees.

There is no room in the power house to install the above mechanical equipment, a space will therefore have to be provided for it.

The item of $10,000 for additional vault space is to provide accommodations for this additional equipment and additional storage space for coal.

It is proposed to construct a vault of the same size as the vault now in use, with space partitioned off for additional mechanical equipment.

The cost of the additional vault space, including architect's fees, should be approximately $8,000.

In the matter of remodelling of gardens, paths and driveways, for which $15,000 in corporate stock is requested, it appears that it would be more economical to wait until all building operations have been completed before authorizing additional corporate stock for this purpose, as there has already been expended some $21,000 in corporate stock, improving the grounds about this building, and it is possible that sufficient balances will remain in existing corporate stock authorizations to do whatever grading and gardening that may be necessary.

We recommend the adoption of the attached resolution approving an issue of corporate stock for the completion of Harlem Hospital, as follows:

Equipment of new ward wing and altered rooms in old building	$30,000 00
Enlarging mehanical plant at power house and additional vault space	29,000 00
	$59,000 00

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding fifty-nine thousand dollars ($59,000) to provide means for the completion of Harlem Hospital as follows:

Equipment of new ward wing and necessary equipment in present building, including architect's fees	$30,000 00
Enlarging mechanical plant at power house and additional vault space, including architect's fees	29,000 00
	$59,000 00

—under the jurisdiction of the Board of Trustees, Bellevue and Allied Hospitals, provided that this authorization be used exclusively for new or additional equipment or work, and that no portion thereof be used for repairs or replacements, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and hereby is authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Great New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid, provided, however, that no part of the proceeds of the

corporate stock herein authorized shall be available until after the Board of Estimate and Apportionment has approved forms of contracts, plans, specifications and estimates of cost pertaining to the same, and that no part of such proceeds shall be used for the payment of fees of any architect, engineer, or expert until after a contract with such architect, engineer or expert has been approved by the Board of Estimate and Apportionment, and that no part of the proceeds of corporate stock herein authorized shall be used for the payment of any salary or wage of departmental employees, except after approval by the Board of Estimate and Apportionment, and in accordance with the schedules to be adopted by said Board; and be it further

Resolved, That the Board of Trustees of Bellevue and Allied Hospitals, is directed to submit to this Board for its approval forms of contracts, plans, specifications and estimates of cost, prior to advertising for bids for work chargeable to the proceeds of the corporate stock herein authorized, and said Board is also directed to submit to this Board for its approval all preliminary and final agreements with an architect or architects, engineer or engineers, expert or experts, whenever such agreements or contracts are chargeable against corporate stock herein authorized.

Which was adopted by the following vote:

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

Department of Parks, Borough of The Bronx—Issue of Corporate Stock (Cal. No. 13).

(On May 8, 1914 (Cal. No. 67), the request of the Commissioner of Parks, Borough of The Bronx, in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 9, 1914 (Cal. No. 181), the report of the Committee on Corporate Stock Budget thereon was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented a communication from the Commissioner of Parks, Borough of The Bronx, dated April 28, 1914, requesting an issue of Corporate Stock for the use of the New York Zoological Society, in the sum of $25,000; and the following report of the Committee on Corporate Stock Budget, recommending an issue of $18,425, Corporate Stock:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 30, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On May 8, 1914, you referred to the Corporate Stock Budget Committee a communication from the Commissioner of Parks, Borough of The Bronx, dated April 28, 1914, requesting an issue of corporate stock, for the use of the New York Zoological Society, as follows:

For the erection and equipment of a hospital and quarantine building for animals	$15,000 00
For general emergency fund	10,000 00
Total	$25,000 00

Upon investigation by the Bureau of Contract Supervision, the following facts were developed:

The wooden building used at present for hospital purposes is dilapidated and entirely inadequate as to size, accommodations and quarantine arrangements. It has been necessary, owing to the crowded condition of the building, to place cages containing sick animals in the yard outside of the hospital.

The recent epidemic which broke out in the collection of chimpanzees and orang-outangs caused the death of nine great apes. It is felt that if the Society had had proper hospital facilities at their disposal, several of these apes could have been saved. The Society has recently purchased some apes to replace those dead and intends to acquire more. With the acquisition of these animals, the Society should be protected, through proper hospital arrangements, from a loss similar to the one they have experienced.

Of the mammals, the majority of whom, in case of sickness, would have to be treated at the hospital, the Society had on January 1, 1914, 601 specimens.

We believe that the hospital is an absolute necessity.

The general emergency fund of $10,000 is requested by the Society in order that they may have funds available of a nature sufficiently elastic to permit of their making such permanent improvements, as may be deemed necessary from time to time. The following schedule of emergency improvements was submitted by Director Hornaday:

Concrete dock at boat landing	$3,000 00
Iron guard rail along east side of Bronx river	1,800 00
Steel fence on 180th street, east of Bronx river	1,125 00
Six new drinking fountains	600 00
Macadam walk, tortoise yard to east side of Public Service Building	460 00
Walks around hospital	500 00
New paint and oil storage	300 00
Shelter for officers' automobiles	815 00
Poultry breeding house	1,400 00
Total	$10,000 00

Dr. Hornaday desired it to be clearly understood that the Society should not be held in the expenditure of this emergency fund to the items stated above, but should have the privilege as emergencies arise, of dropping certain items from the schedule, in order to provide for such other improvements as seemed more imperative.

Our findings upon the request are as follows:

The Concrete Dock at Boat Landing.

This dock is unnecessary at the present time, as the wooden one now in use, with a few repairs to the planking, will answer all purposes for this year at least.

Iron Guard Rail Along East Side of Bronx River.

This is requested in order to prevent the public from trespassing on the banks of the river. This fence would not have the desired effect, as such trespassing could be prevented only by the erection of a high picket fence. The rail fence would undoubtedly lessen the amount of trespass, but the erection of it can easily be deferred.

Steel Fence on 180th Street, East of Bronx River.

It is proposed to erect a heavy chain mesh fence of No. 12 wire, 2-inch mesh, 8 feet high, extending on 180th street from the entrance to the park to the fire house. It is estimated that the material will cost $580, and the departmental labor for construction and erection, $545. This fence is necessary in order to preserve the lower end of the park.

Six New Drinking Fountains.

The present number of fountains are entirely inadequate for the great number of visitors to the Park, and additional ones should be provided.

Macadam Walk, Tortoise Yard to East Side of Public Service Building.

This proposed walk is unnecessary as it is merely to replace present walks, which necessitate a slight detour, between the above points.

Walks Around Hospital.

This item can await the completion of New Hospital.

New Paint and Oil Storage.

The present storage building is located on the hospital site, and will have to be torn down. A new building is necessary.

Shelter for Officers' Automobiles.

It is proposed to construct a shelter for the privately owned automobiles of the officers of the Society, which are used to convey them to and from the Park. A wooden shelter, which would be sufficient for this purpose, could be erected out of the tax levy appropriation if it was considered necessary.

Poultry Breeding House.

The former breeding house was destroyed by fire. It is proposed to build one for the purpose of breeding poultry, pigeons, guinea pigs, rats, mice, rabbits, pigs and meal worms, most of which are used for feeding the various animals. In 1910, before the previous house was destroyed, there were raised 219 fowls, 148 broilers, 2,322 chickens, 200 pigeons, 1,921 rabbits, 1,377 guinea pigs, 1,298 rats, 666 mice, 29 pigs, 30,000 meal worms and 16,436 eggs. It appears that a new breeding house would be an economical proposition.

In regard to the contention of Dr. Hornaday that an emergency fund should be created without restriction as to its use, it is probable that if so great an emergency should arise, relief could be given promptly by the Board of Estimate and Apportionment.

We recommend the adoption of the attached resolutions granting the additional $15,000 requested for the hospital and the following items requested under the emergency fund:

Steel fences in 180th street east of Bronx river	$1,125 00
Six new drinking fountains	600 00
New paint and oil storage building	300 00
Poultry breeding houses	1,400 00
	$3,425 00

—a total of $18,425.

Respectfully,

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York in addition to an amount heretofore authorized, to an amount not exceeding fifteen thousand dollars ($15,000), to provide means for the construction of a hospital building to be located in the service yard in the New York Zoological Park, under the jurisdiction of the Department of Parks, Borough of The Bronx, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid, provided, however, that no part of the proceeds of the corporate stock herein authorized shall be available until after the Board of Estimate and Apportionment has approved forms of contracts, plans, specifications and estimates of cost pertaining to the same and that no part of such proceeds shall be used for the payment of fees of any architect, engineer or expert until after such contract with such architect, engineer or expert has been approved by the Board of Estimate and Apportionment and that no part of the proceeds of corporate stock herein authorized shall be used for payment of any salary or wage of departmental employees, except after approval by the Board of Estimate and Apportionment and in accordance with the schedules to be adopted by said board, and be it further

Resolved, That the Commissioner of Parks, Borough of The Bronx, is directed to submit to this Board for its approval forms of contracts, plans, specifications and estimates of cost, prior to advertising for bids for work chargeable to the proceeds of the corporate stock herein authorized, and said Commissioner is also directed to submit to this board for its approval all preliminary and final agreements with an architect or architects, engineer or engineers, expert or experts, whenever such agreements or contracts are chargeable against corporate stock herein authorized.

Which was adopted by the following vote:

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

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding three thousand four hunderd and twenty-five dollars ($3,425) to provide means for the following purposes:

New York Zoological Park.

Steel fence on 180th Street, East of Bronx River	$1,125 00
Six new drinking fountains	600 00
New paint and oil storage building	300 00
Poultry Breeding Houses	1,400 00
	$3,425 00

—under the jurisdiction of the Department of Parks, Borough of The Bronx, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of the City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid, provided, however, that no part of the proceeds of the corporate stock herein authorized, shall be available until after the Board of Estimate and Apportionment has approved forms of contracts, plans, specifications and estimates of cost pertaining to the same and that no part of such proceeds shall be used for the payment of fees of any architect, engineer or expert until after such contract with such architect, engineer or expert has been approved by the Board of Estimate and Apportionment, and that no part of the proceeds of corporate stock herein authorized shall be used for payment of any salary or wage of departmental employees, except after approval by the Board of Estimate and Apportionment and in accordance with the schedules to be adopted by said board, and be it further

Resolved, That the Commissioner of Parks, Borough of The Bronx, is directed to submit to this Board for its approval forms of contracts, plans, specifications and estimates of cost, prior to advertising for bids for work chargeable to the proceeds of the corporate stock herein authorized, and said Commissioner is also directed to submit to this board for its approval all preliminary and final agreements with an architect or architects, engineer or engineers, expert or experts, whenever such agreements or contracts are chargeable against corporate stock herein authorized.

Which was adopted by the following vote:

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

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

Department of Parks, Borough of Queens—Issue of Corporate Stock (Cal. No. 14).

(On June 5, 1914 (Cal. No. 77), the request of the Commissioner of Parks, Borough of Queens, in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 9, 1914 (Cal. No. 182), the report of the Committee on Corporate Stock Budget thereon was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented a communication from the Commissioner of Parks, Borough of Queens, dated May 27, 1914, requesting an issue of Corporate Stock for the purpose of improving parks in the Borough of Queens, in the sum of $91,616; and the following report of the Committee on Corporate Stock Budget, recommending an issue of $30,000 Corporate Stock:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 8, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On June 5, 1914, your Board referred to the Corporate Stock Budget Committee a communication from the Commissioner of Parks, Borough of Queens, dated May 27, 1914, requesting $91,616 in corporate stock for the improvement of parks in his borough.

After considerable study by the Bureau of Contract Supervision, it has been determined to allow items of the request as follows:

Improvement of Parks, Roadways and Drives.

Forest Park Golf Links	$5,000 00
Forest Park, Steps at Golf House	500 00
Forest Park, Storehouse, Shops and Shed	10,000 00
Forest Park, Piping Golf Links	2,000 00
Forest Park, Extension to Office Building	8,500 00
Kissena Park, Piping to Nursery	500 00
Kissena Park, General Improvement	1,500 00
Engineering Services on above	2,000 00
Total	$30,000 00

We recommend the adoption of the attached resolution granting the request to the extent noted. Respectfully,

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding thirty thousand dollars ($30,000) to provide means for the purposes of the Department of Parks, Borough of Queens, as follows:

Forest Park, Golf Links	$5,000 00
Forest Park, Steps at Golf House	500 00
Forest Park, Storehouse, Shops and Sheds	10,000 00
Forest Park, Piping Golf Links	2,000 00
Forest Park, Extension at Office Building	8,500 00
Kissena Park, Piping to Nursery	500 00
Kissena Park, General Improvement	1,500 00
Engineering Services	2,000 00
Total	$30,000 00

—and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid; provided, however, that no part of the proceeds of the corporate stock herein authorized shall be available until after the Board of Estimate and Apportionment has approved forms of contract, plans, specifications and estimates of cost pertaining to the same, and that no part of such proceeds shall be used for the payment of fees of any architect, engineer or expert until after a contract with such architect, engineer or expert has been approved by the Board of Estimate and Apportionment and that no part of the proceeds of corporate stock herein authorized shall be used for the payment of any salary or wage of departmental employees, except after approval by the Board of Estimate and Apportionment and in accordance with the schedules to be adopted by said Board; and be it further

Resolved, That the Commissioner of Parks, Borough of Queens, is directed to submit to this Board for its approval forms of contracts, plans, specifications and estimate of cost prior to advertising for bids for work chargeable to the proceeds of the corporate stock herein authorized, and said Commissioner is also directed to submit to this Board for its approval all preliminary and final agreements with an architect or architects, engineer or engineers; expert or experts whenever such agreements or contracts are chargeable against corporate stock authorized.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn and the President of the Borough of Richmond—14.

Negative—The Presidents of the Boroughs of The Bronx and Queens—2.

Department of Parks, Boroughs of Manhattan and Richmond—Issue of Corporate Stock (Cal. No. 15).

(On May 15, 1914 (Cal. No. 188), the request of the Commissioner of Parks in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 9, 1914 (Cal. No. 183), the report of the Committee on Corporate Stock Budget thereon was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented a communication from the Commissioner of Parks, Boroughs of Manhattan and Richmond, dated May 12, 1914, requesting an issue of $138,000 for the purpose of reconstructing and improving Morningside Park, Borough of Manhattan, in the sum of $138,000; and the following report of the Committee on Corporate Stock Budget, recommending an issue of $23,800 Corporate Stock:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 8, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On May 15, 1914, your Board referred to the Committee on Corporate Stock a communication dated May 12, 1914, from the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting $138,000 in corporate stock for the purpose of reconstructing and improving Morningside Park.

An examination by the Bureau of Contract Supervision has resulted in a determination that it is necessary at this time to allow items of the request as follows:

Picket Fence	$18,800 00
Preserving and Making Safe Fort Horn	5,000 00
Total	$23,800 00

We recommend the adoption of the attached resolution granting the request to the extent noted. Respectfully,

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding twenty-three thousand eight hundred dollars ($23,800) for the purpose of providing means for the improvement of Morningside Park, as follows:

Picket Fence	$18,800 00
Preserving and Making Safe Fort Horn	5,000 00
Total	$23,800 00

—and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid; provided, however, that no part of the proceeds of the corporate stock herein authorized shall be available until after the Board of Estimate and Apportionment has approved forms of contract, plans, specifications and estimates of cost pertaining to the same, and that no part of such proceeds shall be used for the payment of fees of any architect, engineer or expert until after a contract with such architect, engineer, or expert has been approved by the Board of Estimate and Apportionment, and that no part of the proceeds of corporate stock herein authorized shall be used for the payment of any salary or wage of departmental employees, except after approval by the Board of Estimate and Apportionment and in accordance with the schedules to be adopted by said Board; and be it further

Resolved, That the Commissioner of Parks, Boroughs of Manhattan and Richmond, is directed to submit to this Board for its approval, forms of contract, plans, specifications and estimates of cost prior to advertising for bids for work chargeable to the proceeds of the corporate stock herein authorized, and said Commissioner is also directed to submit to this Board for its approval all preliminary and final agreements with an architect or architects, engineer or engineers, expert or experts whenever such agreements or contracts are chargeable against corporate stock herein authorized.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the President of the Borough of Monhattan, the Acting President of the Borough of Brooklyn and the President of the Borough of Richmond—14.

Negative—The Presidents of the Boroughs of The Bronx and Queens—2.

Department of Parks, Borough of The Bronx—Issue of Special Revenue Bonds and Modification of Schedules (Cal. No. 16).

(On June 26, 1914 (Cal. No. 233), the resolution of the Board of Aldermen in this matter was referred to the Comptroller.)

(On July 9, 1914 (Cal. No. 209), the report of the Comptroller thereon was laid over until this meeting under Rule 19.)

The Secretary presented a resolution of the Board of Aldermen adopted on June 9, 1914, requesting an issue of Special Revenue Bonds in the sum of $31,881.75, the proceeds whereof to be used by the Department of Parks, Borough of The Bronx, for the purpose of providing means for carrying out certain repair work and to provide for the cost of labor and material in Van Courtlandt, Bronx, St. Mary's, Pelham Bay and St. James Parks, Borough of The Bronx; 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, July 6, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On June 9, 1914, the Board of Aldermen adopted the following resolution:

"Resolved, That, in pursuance of the provisions of sub-division 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of thirty-one thousand, eight hundred and eighty-one, 75/100 dollars ($31,881.75), the proceeds whereof to be used by the Department of Parks, The Bronx, for the following purposes.

For the purchase of Road Repair Material.

6,130 cu. yds. broken stone and screenings at $1.90	$11,647 00
3,516 cu. yds. coarse sand grits at $1.15	4,043 40
79,340 gallons coal tar road oil (in place) at 8c	6,347 20
200 days' service of road roller at $10 per day	2,000 00
For labor and material required for painting the iron pipe railings, iron picket fences and outsides of buildings	3,479 15
For repairs to Colonial Mansion in Van Courtlandt Park	4,365 00
	$31,881 75

—all obligations contracted for hereunder to be incurred on or before December 31, 1914.

In reference to the foregoing resolution the Commissioner of Parks, Borough of The Bronx, has submitted a list of the repair work which he considers necessary should be carried out on certain roads described as follows:

Van Cortlandt Park—

Gun Hill road, from Grand ave. to Mosholu parkway, 8,800 square yards. Requires: Broken stone, 280 cubic yards; grits, 120 cubic yards; oil, 2,700 gallons.

Road along golf links, from Grand ave. to Mosholu ave., 11,150 square yards. Requires: Broken stone, 200 cubic yards; grits, 155 cubic yards; oil, 3,300 gallons.

Grand ave., from Mosholu ave. to Jerome ave., 4,500 square yards. Requires: Broken stone, 60 cubic yards; grits, 65 cubic yards; oil, 900 gallons.

237th st., from Jerome ave. to Mount Vernon ave., 2,700 square yards. Requires: Broken stone, 140 cubic yards; grits, 45 cubic yards; oil, 900 gallons.

Parade Ground road, from Grand ave. to Mosholu ave., 19,200 square yards. Requires: Broken stone, 580 cubic yards; grits, 265 cubic yards; oil, 6,200 gallons.

Van Cortlandt ave., from Grand ave. to Van Cortlandt Park South, 3,300 square yards. Requires: Broken stone, 150 cubic yards; grits, 45 cubic yards; oil, 950 gallons.

Mosholu parkway, from Gun Hill road to the Botanical Garden, 47,500 square yards. Requires: Broken stone, 500 cubic yards; grits, 650 cubic yards; oil, 13,000 gallons.

Roads in the Botanical Garden, excepting the traffic road from the main entrance to the Southern boulevard, and the main drive from the main entrance to the Southern boulevard, 32,400 square yards. Require: Broken stone, 1,050 cubic yards; grits, 450 cubic yards; oil, 10,800 gallons.

Bronx Park—

Boston road, from 182d st. to Whiite Plains road, 15,400 square yards. Requires: Broken stone, 350 cubic yards; grits, 215 cubic yards; oil, 5,050 gallons.

Claremont Park—

One-half of roads, 5,800 square yards. Require: Broken stone, 100 cubic yards; grits, 75 cubic yards; oil, 1,600 gallons.

Van Cortlandt Park—

Mosholu ave., from Jerome to Broadway, 39,800 square yards. Requires: Broken stone, 580 cubic yards; grits, 414 cubic yards; oil, 9,850 gallons.

Crotona Park—

All roads, excepting road from 175th st. to 177th st., 22,600 square yards. Requires: Broken stone, 850 cubic yards; grits, 315 cubic yards; oil, 7,500 gallons.

St. Marys Park—

Road from St. Marys ave. to Trinity ave., 3,250 square yards. Requires: Broken stone, 60 cubic yards; grits, 45 cubic yards, oil, 900 gallons.

St. James Park—

Road from Jerome ave. to Creston ave., 1,560 square yards. Requires: Broken stone, 10 cubic yards; grits, 22 cubic yards; oil, 520 gallons.

Pelham Bay Park—

Road along Eastchester Bay, from the Eastern boulevard to City Island road; near Glovers Rock, 12,350 square yards. Requires: Broken stone, 150 cubic yards; grits, 170 cubic yards; oil, 4,100 gallons.

Road along Pelham Bay, from City Island road, near Glovers Rock, to City Island Bridge approach, 12,130 square yards. Requires: Broken stone, 220 cubic yards; grits, 170 cubic yards; oil, 4,040 gallons.

City Island road, from the Eastern boulevard at Bartow Station to the City Island Bridge approach, 21,200 square yards. Requires: Broken stone, 850 cubic yards; grits, 295 cubic yards; oil, 7,030 gallons.

The cost of the necessary repairs to roads and hire of road roller is estimated as follows:

6,130 cubic yards broken stone and screenings at $1.90	$11,647 00
3,516 cubic yards coarse sand, grits, at $1.15	4,043 40
79,340 gallons coal tar road oil (in place), at 8 cents	6,347 20
Total cost of material required	$22,037 60
In addition to this we require 200 days' services of a road roller, at $10 per day	$2,000 00
Estimated total cost of material and labor for road repair work	$24,037 60

For painting buildings and fences, the following labor and material is considered necessary:

Estimate of labor and materials required for painting the iron pipe railing, iron picket fences and the outside of buildings in parks, Borough of The Bronx, additional to labor and material provided for in the Appropriation Budget for the year 1914:

Labor.

Painting 25,000 linear feet of two-inch pipe iron railing, 108 days, at $4	$432 00
Painting 18,000 linear feet three-pipe iron railing, 90 days, at $4	360 00
Painting 7,500 linear feet, iron picket fence, 73 days, at $4	292 00
Painting the outsides of buildings (33) in parks, 370 days, at $4	1,480 00
Total cost of labor to be employed	$2,564 00

Materials.

5,500 pounds white lead, at $0.0675	$371 25
1,000 pounds chrome yellow, at $0.11	110 00
1,000 pounds yellow ochre, at $0.04	40 00
600 pounds red lead, dry, at $0.065	39 00
150 pounds Indian red, at $0.07	10 50
230 gallons of linseed oil, raw, at $0.50	115 00
20 gallons of liquid dryer, at $0.47	9 40
550 gallons of bridge paint, at $0.40	220 00
Total cost of material required	$915 15
Total cost of labor	2,564 00
Estimated total cost of material and labor for painting buildings, fences, etc	$3,479 15

The estimated cost of repairs to the Colonial Mansion located in Van Courtlandt Park is stated as follows:

Raising and leveling cellar window sills and inserting stone window sills where necessary	$100 00
Rebuilding stone walls of area entrance, and substituting area doors for present wood enclosures	200 00
Removing tin from deck roof and substituting copper; constructing new gutters and leaders and putting slate roof on mansard portion of roof.	2,300 00

Painting all exterior woodwork three coats	225 00
Rebuilding old flues and covering tops of stacks	200 00
Repointing chimneys where necessary	35 00
Reputtying glass in all windows	65 00
Repairing stone work at east side of building near north end	70 00
Placing beam lintel over cellar window	20 00
Leveling up window sills of first story and rebuilding stone and brick work where necessary	150 00
Repointing all exterior stone work	250 00
Rebuilding two porches on south and east sides of building	650 00
Decoration of living room, staircase, hall and passage to addition	100 00
Estimated total cost of repair work to be done in the Colonial Mansion	$4,365 00

A summary of all expenditures referred to for which an issuance of special revenue bonds is requested shows that $31,881.75 is required, which is made up as follows:

Estimated total cost of material and labor for road repair work	$24,037 60
Estimated total cost of material and labor for painting buildings, fences, etc.	3,479 15
Estimated total cost of repair work to be done in the Colonial Mansion	4,365 00
Total estimated cost	$31,881 75

In respect to the foregoing estimated figures, from an examination of the roads, buildings, railings and the Colonial Mansion in Van Courtlandt Park, the following amounts are considered to be a sufficient sum for the reconstruction and repair work contemplated:

5,000 cu. yds. of broken stone and screenings at $1,90 a cu. yd.	$9,500 00
2,800 cu. yds. of coarse sand and grits at $1.15 a cu. yd.	3,220 00
64,000 gals. coal tar road oil (in place) at 8 cents per gallon	5,120 00
160 days' service road roller at $10 per day	1,600 00
Labor for painting fences, buildings	1,900 00
Material for painting railings and picket fence and outside of buildings	900 00
Repairs to Colonial Mansion	2,760 00
Total	$25,000 00

The adoption of the attached resolutions approving and concurring in the resolution adopted by the Board of Aldermen on June 9, 1914, and the schedules as revised, is hereby recommended.

Respectfully submitted, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on June 9, 1914, requesting an issue of special revenue bonds in the sum of thirty-one thousand, eight hundred and eighty-one dollars and seventy-five cents ($31,881.75), the proceeds whereof to be used by the Department of Parks, Borough of The Bronx, for the purpose of providing funds for carrying out certain repair work and to provide for the cost of labor and material in connection therewith, as follows:

6,130 cu. yards broken stone and screenings at $1.90	$11,647 00
3,516 cu. yards coarse sand grits at $1.15	4,043 40
79,340 gallons coal tar road oil (in place) at 8 cents	6,347 20
200 days' service of road roller at $10 per day	2,000 00
For labor and material required for painting the iron pipe railings, iron picket fences and outside of buildings	3,479 15
For repairs to Colonial Mansion in Van Courtlandt Park	4,365 00
Total	$31,881 75

—be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment to the extent of twenty-five thousand dollars ($25,000), made up as follows:

5,000 cu. yards of broken stone and screenings at $1.90 cu. yd.	$9,500 00
2,800 cu. yards of coarse sand and gravel at $1.15 cu. yd.	3,220 00
64.000 gallons coal tar road oil (in place) at 8 cents per gallon	5,120 00
160 days service of road roller at $10 per day	1,600 00
Painters, $4.00 per day (475 days)	1,900 00
White lead, paint, oil, dryer, etc.	900 00
Repairs to Colonial Mansion, Van Courtlandt Park	2,760 00
Total	$25,000 00

—and for the purpose of providing means therefor, the Comptroller be and is hereby authorized, pursuant to the provisions of sub-division 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of the City of New York, to an amount not exceeding twenty-five thousand dollars ($25,000), redeemable from the Tax Levy of the year succeeding the year of their issue. All obligations contracted for hereunder to be incurred on or before December 31, 1914.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn and the Presidents of the Boroughs of 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 Parks, Borough of The Bronx, for the year 1914, as follows:

Wages Temporary Employees.

		Paid from Tax Levy Appropriation.	Paid from Special Revenue Bonds.	Total.
1216	Care of Parks and Boulevards.			
	Bricklayer, at $5.60 per day (244 days)	$1,344 00	.....	$1,344 00
	Painter, at $4 per day (1,275 days)	3,200 00	$1,900 00	5,100 00
	Pipefitter, at $5.50 per day (50 days)	275 00	.....	275 00
	Laborers at $2.50 per day (65,600 days)	164,000 00	.....	164,000 00
	Plasterer at $4 per day (200 days)	800 00	.....	800 00
	Auto Lawnmower Engineer at $3.50 per day (1,000 days)	3,500 00	.....	3,500 00
	Rammer, at $4 per day (100 days)	400 00	.....	400 00
	Paver, at $5 per day (100 days)	500 00	.....	500 00
	Steam Engineer, at $4.75 per day (600 days)	2,850 00	.....	2,850 00
	Stoker, $3 per day (1,674 days)	5,022 00	.....	5,022 00
				$183,791 00
	Tax Levy Appropriation			$181.891 00
	Special Revenue Bond Appropriation			1,900 00
	Schedule total			$183,791 00

Materials.

		Paid from Tax Levy Appropriation.	Paid from Special Revenue Bonds.	Total.
1230	Highway Materials	$14,700 00	$17,840 00	$32,540 00
	Paid from Tax Levy			$14,700 00
	Paid from Special Revenue Bond			17,840 00
	Schedule Total			$32,540 00

Materials.

		Paid from Tax Levy Appropriation.	Paid from Special Revenue Bonds.	Total.
1231	Building Materials	$7,162 54	$900 00	$8,062 54
	Paid from Tax Levy			$7,162 54
	Paid from Special Revenue Bonds			900 00
	Schedule total			$8,062 54

Contract or Open Order Service.

		Paid from Tax Levy Appropriation.	Paid from Special Revenue Bonds.	Total.
1234	General repairs	$1,663 30	$4,360 00	$6,023 30
	Paid from Tax Levy			$1,663 30
	Paid from Special Revenue Bonds			4,360 00
	Schedule total			$6,023 30

Which was adopted by the following vote:

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

Department of Water Supply, Gas and Electricity—Issue of Corporate Stock (Cal. No. 17).

(On July 9, 1914 (Cal. No. 210), the report of the Comptroller in this matter was presented to the Board and laid over until this meeting under Rule 19.)

The Secretary presented a communication from the Deputy and Acting Commissioner of Water Supply, Gas and Electricity, dated June 25, 1914, requesting an issue of Corporate Stock for the purpose of providing means to comply with an order of the Supreme Court, Second Department, to pay the fees of Commissioners of Appraisal, in the proceeding to acquire certain real estate at Valley Stream, and other places in the Town of Hempstead, for the purpose of water supply, in the sum of $1,050; and the following report of the Comptroller recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 7, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On June 25, 1914, the Deputy and Acting Commissioner of Water Supply, Gas and Electricity requested me to procure an authorization by your Board of the necessary funds to provide means to comply with an order of the Supreme Court, Second Department, dated February 26, 1914, to pay the fees of Commissioners of Appraisal, as follows: Franklin A. Coles, $350; Edward S. Fowler, $350; William J. Youngs, $350, a total of $1,050, in the proceeding to acquire certain real estate at Valley Stream and other places in the Town of Hempstead for the purpose of water supply.

I have been advised by the Corporation Counsel under date of May 19, 1914, that the order above mentioned was properly entered and should be complied with.

There does not appear to be any funds available to meet these obligations.

I recommend the adoption of the attached resolution authorizing $1,050 in corporate stock for the purpose of providing the necessary funds.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 178 of the Greater New York Charter, hereby approves of the issue of corporate stock of The City of New York to the amount of one thousand and fifty dollars ($1,050) for the purpose of providing means for the payment of Commissioner's fees in connection with the proceeding to acquire certain real estate at Valley Stream, Lynbrook, Rockville Centre, Baldwin, Freeport, Merrick, Bellmore and Seaford, in the Town of Hempstead, in the County of Nassau, for the purpose of water supply, under the jurisdiction of the Department of Water Supply, Gas and Electricity, and the Comptroller is authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds whereof to the amount of the par value of the stock to be applied to the purposes aforesaid.

Which was adopted by the following vote:

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

President, Borough of Manhattan—Issue of Corporate Stock (Cal. No. 18).

(On June 26, 1914 (No. 215), the request of the Commissioner of Public Works Borough of Manhattan, in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 9, 1914 (No. 242), the report of the Committee on Corporate Stock Budget thereon was presented to the Board and laid over until this meeting, under Rule 19.)

The Secretary presented a communication from the Commissioner of Public Works, Borough of Manhattan, dated June 25, 1914, requesting the Board to authorize the President of the Borough of Manhattan to reconstruct a sewer in South street, from Oliver street to Pier No. 26, East River, as a charge against the fund entitled "C. P. M.—32, Reconstruction of Sewers, Borough of Manhattan," to an amount not exceeding $9,000; and the following report of the Committee on Corporate Stock Budget:

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

To the Board of Estimate and Apportionment:

Gentlemen—On June 26, 1914, you referred to the Corporate Stock Budget Committee a communication from the Commissioner of Public Works, Borough of Manhattan, dated June 25, 1914, requesting the Board of Estimate and Apportionment to authorize the President of the Borough of Manhattan to reconstruct a sewer in South street, from Oliver street to Pier No. 26, East river, as a charge against the fund entitled "C.P.M.—32, Reconstruction of Sewers, Borough of Manhattan," to an amount not exceeding $9,000.

Pier No. 26 and part of the bulkhead between Catherine and Oliver streets are being constructed by the Delaware, Lackawanna and Western Railroad Company under an agreement entered into with the City on March 4, 1914. This pier replaces two old piers.

The work included in the request involves the building of about 140 feet of double concrete sewer to replace part of a double barrel wooden sewer which was destroyed incidental to the construction of the new pier.

According to the plan submitted the contractor for the dock work is to build about 28 feet, additional of concrete sewer at the point where it passes through the new bulkhead; and the Borough President will subsequently construct a wooden barrel sewer under the new pier.

As the old sewer was in fair condition and its reconstruction is incidental to the new dock work, it would appear to be a proper corporate stock charge. As a general principle, however, it would seem that the cost of such reconstruction of sewers as is due entirely to constructing piers, should be met out of the proceeds of Dock bonds, or if privately constructed the work should be included in the necessary agreement.

This sewer, however, drains a very large area and has been running to the limit of its capacity; the sewer engineers have taken advantage of the necessary reconstruction to design a more permanent type of sewer of a slightly larger size. As it would be impracticable to assess for this small increased capacity, the cost of the work should be charged against the fund entitled "C.P.M.—32, Reconstruction of Sewers, Manhattan."

The immediate construction of the sewer is necessary for the continuance of the dock work.

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

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby grants authority to the President of the Borough of Manhattan to reconstruct a sewer in South street, from Oliver street to Pier No. 26, East river, near Catherine street, as a charge against corporate stock fund entitled "C.P.M.—32, Reconstruction of Sewers, Borough of Manhattan," to an amount not exceeding nine thousand dollars ($9,000).

Which was adopted by the following vote:

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

President, Borough of Manhattan—Approval of Contract for the Construction, Plumbing and Heating of the Court House and Prison for the Third District Magistrates' Court, Borough of Manhattan (Cal. No. 19).

(On July 9, 1914 (Cal. No. 243), the request of the President of the Borough of Manhattan in this matter was presented to the Board and laid over until this meeting.)

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

City of New York, President of the Borough of Manhattan, Municipal Building, July 9, 1914.

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

Gentlemen—A resolution was adopted by your Honorable Board under date of June 3rd, 1910, authorizing an issue of Corporate Stock, in the amount of $300,000 for the purpose of constructing a Court House and Prison for the Third District Magistrates' Court, Borough of Manhattan.

Tentative plans and specifications were prepared by the architect and, after several conferences upon the subject, it was decided that a structure of greater magnitude, and containing necessary up to date improvements should be constructed, involving an expenditure of about $700,000. Your approval of the tentative plans involving this ultimate expenditure is, therefore, requested.

In view of the fact that the corporate funds of the City already have large reservations made against them, conferences have been held looking to the possibility of erecting a portion of this building at this time and completing the same at a later date. Conferences with the architect and others, show that at least four floors and a temporary roof should be constructed at this time. I have, therefore, to request that your Honorable Board, grant permission, pursuant to the resolution of July 11, 1912, to enter into contracts, subject to the approval of the Comptroller and the Bureau of Contract Supervision, for the construction, plumbing and heating of the building to the extent of $300,000.

Your approval of the above plan will enable the work to be commenced at an early date, and furnish much needed relief to the Magistrates' Courts which are now greatly overcrowded. Yours very truly,

MARCUS M. MARKS, President, Borough of Manhattan.

It was moved that the Board release the sum of $311,000, the figure of outstanding authorizations available for this parcel of work. Which was agreed to.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of Manhattan to enter into contracts, subject to the approval of the Comptroller and the Bureau of Contract Supervision, for the construction, plumbing and heating of a portion of a Court House and Prison for the Third District Magistrates' Court, Borough of Manhattan, to the extent of three hundred and eleven thousand dollars ($311,000).

Which was adopted by the following vote:

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

President, Borough of Manhattan; Department of Bridges—Issue of Corporate Stock (Cal. No. 20).

(On June 19, 1914 (No. 190), a report of the Committee on Markets relative to the opening of push cart markets under the Manhattan and Williamsburg Bridges, and recommending an appropriation of $38,027.55 for this purpose, was referred to the Committee on Corporate Stock Budget.)

(On July 9, 1914 (Cal. No. 244), the report of the Committee on Corporate Stock Budget thereon was presented to the Board and laid over until this meeting, under Rule 19.)

The Secretary presented a communication from the Committee on Markets, Board of Estimate and Apportionment, dated June 16, 1914, requesting an issue of Corporate Stock for the purpose of the development of market spaces under the Williamsburg and Manhattan Bridges, in the sum of $38,027.55; and the following report of the Committee on Corporate Stock Budget, recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 14, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On June 19, 1914, your Board referred to the Corporate Stock Budget Committee a communication from the Committee on Markets, Board of Estimate and Apportionment, dated June 16, 1914, requesting an authorization of corporate stock to the amount of $38,027.55 for the development of the market spaces under the Williamsburg and Manhattan Bridges, and that the money be expended under the jurisdiction of the President of the Borough of Manhattan.

The Board of Aldermen has designated three spaces under the Manhattan Bridge between Division Street and Madison Street as a market site, and also under the Williamsburg Bridge, the four blocks between Ridge Street and Columbia Street. At the present time an income is derived by the City from two of the spaces under the Williamsburg Bridge, the average return for five years indicating that in total revenue the sum of $11,000 gross per annum is obtained. The safety of the public highways is also of great importance and sufficient open markets will tend to relieve the streets of the congestion caused by push-carts.

In order to put the sites of these markets in proper sanitary condition, it will be necessary to provide a concrete surface over the area to be used and in connection therewith an adequate system of drainage. To do this work will require an expenditure of $38,027.55.

We recommend, therefore, the adoption of the attached resolution providing for the expenditure of $38,027.55 for the development of the market spaces under the Williamsburg and Manhattan Bridges; and that the money be expended under the jurisdiction of the President of the Borough of Manhattan. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; MARCUS M. MARKS, President, Borough of Manhattan; DOUGLAS MATHEWSON, President, Borough of The Bronx, Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding thirty-eight thousand twenty-seven dollars and fifty-five cents ($38,027.55) to provide means for the development of the market spaces under the Williamsburg and Manhattan Bridges under the supervision of the President of the Borough of Manhattan, and when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid.

Provided, however, that no part of the proceeds of the corporate stock herein authorized, shall be available until after the Board of Estimate and Apportionment has approved forms of contracts, plans, specifications and estimates of cost pertaining to the same, and that no part of such proceeds shall be used for the payment of fees of any architect, engineer or expert until after a contract with such architect, engineer or expert has been approved by the Board of Estimate and Apportionment and that no part of the proceeds of corporate stock herein authorized shall be used for payment of any salary or wage of departmental employees, except after approval by the Board of Estimate and Apportionment and in accordance with the schedules to be adopted by said Board; and be it further

Resolved, That the President of the Borough of Manhattan is directed to submit to this board for its approval, forms of contract, plans, specifications and estimates of cost prior to advertising for bids for work chargeable to the proceeds of the corporate stock herein authorized and such Borough President is also directed to submit to this board for its approval, all preliminary and final agreements with an architect or architects, engineer or engineers, expert or experts whenever such agreements or contracts are chargeable against corporate stock herein authorized.

Which was adopted by the following vote:

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

Department of Parks, Borough of The Bronx—Issue of Corporate Stock (Cal. No. 21).

(On May 1, 1914 (Cal. No. 141), the request of the Commissioner of Parks, Borough of The Bronx, in this matter was referred to the Committee on Corporate Stock Budget.)

(On July 9, 1914 (No. 247), the report of the Committee on Corporate Stock Budget thereon was presented to the Board and laid over until this meeting, under Rule 19.)

The Secretary presented a communication from the Commissioner of Parks, Borough of The Bronx, dated April 23, 1914, requesting an issue of Corporate Stock for the purpose of making improvements in the parks in that borough, in the sum of $710,500, including an item for the purpose of providing means for surfacing City Island Road, from Eastern Boulevard to City Island Bridge; and the following report of the Committee on Corporate Stock Budget:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, July 8, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On May 1, 1914, your Board referred to the Corporate Stock Budget Committee a communication from the Commissioner of Parks, Borough of The Bronx, dated April 23, 1914, requesting $710,500 in corporate stock for making improvements in the parks in his Borough.

Among the improvements for which funds were requested was the surfacing of City Island Road from the Eastern Boulevard to the City Island Bridge. An examination by the Bureau of Contract Supervision disclosed that this work was necessary at this time, and it was determined to allow it at an estimated cost of $24,000.

We recommend the adoption of the attached resolution granting the request for this item, as noted. Respectfully,

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding twenty-four thousand dollars ($24,000) for the purpose of providing means for the surfacing of City Island Road from the Eastern Boulevard to City Island Bridge, under the jurisdiction of the Department of Parks, Borough of The Bronx, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid; provided, however, that no part of the proceeds of the corporate stock herein authorized shall be available until after the Board of Estimate and Apportionment has approved forms of contract, plans, specifications and estimates of cost pertaining to the same, and that no part of such proceeds shall be used for the payment of fees of any architect, engineer or expert until after a contract with such architect, engineer or expert has been approved by the Board of Estimate and Apportionment, and that no part of the proceeds of corporate stock herein authorized shall be used for the payment of any salary or wage of departmental employees, except after approval by the Board of Estimate and Apportionment and in accordance with the schedules to be adopted by said Board; and be it further

Resolved, That the Commissioner of Parks, Borough of The Bronx, is directed to submit to this Board for its approval forms of contracts, plans, specifications and estimates of cost prior to advertising for bids for work chargeable to the proceeds of the corporate stock herein authorized and said Commissioner is also directed to submit to this Board for its approval all preliminary and final agreements with an architect or architects, engineer or engineers, expert or experts whenever such agreements or contracts are chargeable against corporate stock herein authorized.

Which was adopted by the following vote:

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

Department of Docks and Ferries—Issues of Corporate Stock (Cal. No. 22).

(On July 9, 1914 (Cal. No. 180D & E), resolutions were adopted authorizing the issues of corporate stock in the sums of $500,000 and $100,000, for salaries and wages of employees of the Department of Docks and Ferries, and for supplies and materials incidental to new construction work of said Department.)

(On July 9, 1914 (No. 248), two resolutions adopted by the Commissioners of the Sinking Fund on July 9, 1914, recommending issues of corporate stock as above, were presented.)

The above communication and resolutions were disposed of and printed in the minutes of July 9, 1914, as Cal. No. 180 D and E.

President, Borough of Queens—Issue of Special Revenue Bonds (Cal. No. 23).

(On July 2, 1914 (Cal. No. 358), the resolution of the Board of Aldermen in this matter was referred to the Comptroller.)

(On July 9, 1914 (No. 249), the report of the Comptroller thereon was laid over until this meeting, under Rule 19.)

The Secretary presented a resolution of the Board of Aldermen, adopted June 16, 1914, requesting an issue of Special Revenue Bonds in the sum of $13,646.50, the proceeds whereof to be used by the President of the Borough of Queens for the purpose of making repairs to the Rockaway Turnpike, between New York avenue and Hook Creek; and the following report of the Comptroller recommending approval thereof:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 8, 1914.

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

Gentlemen—On June 16, 1914, the Board of Aldermen adopted the following resolution:

"Resolved, That in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of thirteen thousand six hundred and forty-six and 50-100 dollars ($13,646.50), the proceeds whereof to be used by the President of the Borough of Queens for the purpose of making repairs to the Rockaway turnpike between New York avenue and Hook Creek. All obligations contracted for hereunder to be incurred on or before December 31, 1914."

In reference to the foregoing resolution the President of the Borough of Queens, under date of February 14, 1914, applied to the Board of Aldermen for an issuance of special revenue bonds in the sum of $35,000 for the purpose of pro-

viding funds to meet the cost of temporary repairs and restoring of bulkheads together with the cost of filling in the roadway and the protection of the road edges with banks of meadow sod on the Rockaway turnpike between New York avenue and Hook Creek. It appears from an examination made by Mr. Charles H. Graham, Assistant Engineer in this department, that certain repairs should be made to this roadway. However, proceedings have been initiated for acquiring title to the Rockaway turnpike for a width of one hundred feet from the conduit to the City line (Hook Creek). These proceedings include that portion of the Rockaway turnpike under discussion. The Commissioners of Estimate and Assessment in the said proceeding filed their oaths of office on May 6, 1914, so that title to the turnpike may now be vested in the City at any time by resolution of the Board of Estimate and Apportionment.

It will be seen that the solution referred to is such as will permit of the permanent improvement of the Rockaway turnpike to final lines and grades being initiated at any time by the appropriate Board for Local Improvements.

In view of these facts and the conditions as reported to the Board of Aldermen on June 6, 1914, Mr. Graham states that in his judgment the sum of $13,646.50 would be sufficient to meet the following expenditures:

6,700 cubic yards filling (steam boiler, ashes and clay), $1	$6,700 00
1,800 cubic yards meadow sod banks, $1.50	2,700 00
14,880 linear feet guard rails, at $0.25	3,720 00
11,700 feet B. M. plank on outside of guard rail posts, at $45	526 50
Total	$13,646 50

The adoption of the attached resolution approving and concurring in the resolution adopted by the Board of Aldermen under date of June 16, 1914, is hereby recommended. Respectfully submitted,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on June 16, 1914, requesting an issue of special revenue bonds in the sum of thirteen thousands six hundred and forty-six dollars and fifty cents ($13,646.50), the proceeds whereof to be used by the President of the Borough of Queens for the purpose of making repairs to the Rockaway turnpike, between New York avenue and Hook Creek, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and for the purpose of providing means therefor, the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York to an amount not exceeding thirteen thousand six hundred forty-six dollars and fifty cents ($13,646.50), redeemable from the tax levy of the year succeeding the year of issue, providing that all obligations contracted for hereunder be incurred during the year nineteen hundred and fourteen.

Which was adopted by the following vote:

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

Board of Estimate and Apportionment (Bureau of Standards)—Report of Work Performed by Standard Testing Laboratory During June, 1914 (Cal. No. 24).

The Secretary presented a communication from the Director of the Bureau of Standards submitting report of the work performed by the Standard Testing Laboratory during the month of June, 1914.

Which were ordered filed.

Fifth Avenue Coach Company (Cal. No. 25).

Communications were received from Alfred E. Schermerhorn and ten others, urging the granting of a franchise to the Fifth Avenue Coach Company for an extension of its routes in the Borough of Manhattan.

Which were referred to the Bureau of Franchises.

Long Island Railroad Company (Cal. No. 26).

An application was received from the Long Island Railroad Company for revocation of consent granted by resolution adopted by this Board November 26, 1913, approved by the Mayor December 2, 1913, authorizing said Company to construct, maintain and operate a side track across Johnson Avenue, Borough of Brooklyn, connecting the railroad with the premises of the Ellanam Adjustable Dress Form Company.

Which was referred to the Bureau of Franchises.

Request for a Rehearing in the Matter of Laying Out Zeigler Avenue Across the North Side Division of the Long Island Railroad, Borough of Queens (Cal. No. 27).

The Secretary presented a communication from the General Solicitor of the Long Island Railroad Company, dated July 8, 1914, requesting a re-hearing in the matter of laying out Zeigler avenue across the North Side Division of the Long Island Railroad Company, Borough of Queens.

On motion, the matter was referred to the Chief Engineer of the Board.

Board of Estimate and Apportionment (Bureau of Franchises)—Fixing Salaries of Various Employees and Modification of Schedule (Cal. No. 28).

(On April 17, 1914 (Cal. No. 5), the request of the Chief of the Bureau of Franchises in this matter was referred to the Committee on Salaries and Grades and to the Comptroller.)

(On June 26, 1914 (Cal. No. 32), the Board adopted a resolution, on the recommendation of the Committee on Salaries and Grades, recommending to the Board of Aldermen the establishment of grades of positions of Assistant Engineer, Clerk and Law Clerk, in the Bureau of Franchises.)

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

City of New York, Board of Estimate and Apportionment, June 27, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—Your Committee, to which was referred on April 17, 1914, the application of the Chief of the Bureau of Franchise for certain increases in the salaries of six members of the staff of the Bureau, begs to report as follows:

This application involved—

First: A transfer of funds to meet the increased salaries, and such transfer was made by the Board at its meeting of June 26, 1914, when the Mayor's Office transferred the sum of Seventeen Hundred Dollars ($1,700) to the Bureau of Franchises.

Second: The creation of three new grades, and under date of June 22, 1914, we reported to the Board, recommending such grades be established by the Board and the Board of Aldermen, which was also done.

Third: It now comes to the recommendation in regard to the increases as proposed. We have carefully examined the matter, and the Committee on Franchises has recommended that the same be granted, not only for the reason that they are warranted, but also from the fact that they should have been included in the budget for the year 1914, but were apparently omitted through inadvertence.

With this conclusion we concur, and we transmit herewith for adoption by the Board two resolutions—first, increasing the salaries, and, second, modifying the budget schedules. Respectfully,

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby fixes the salaries of the following named employees in the Bureau of Franchises of the Board of Estimate and Apportionment, as indicated, to take effect July 1, 1914:

Bureau of Franchises.	Per Annum.
Edward W. Libaire, Assistant Engineer	$3,000 00
Charles H. Vanderbilt, Assistant Engineer	3,000 00
John F. Conway, Clerk	1,950 00

—and hereby fixes the salaries of the following named employees in the Bureau of Franchises, to take effect upon the establishment of the respective grades:

John A. McCollum, Assistant Engineer	$4,300 00
James D. McGann, Clerk	3,150 00
Joseph A. Devery, Law Clerk	2,400 00

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule as revised for the Board of Estimate and Apportionment for the year 1914, to be effective as of July 1, 1914, as follows:

Board of Estimate and Apportionment.

Personal Service, Salaries Regular Employees.

28	Franchise Investigation—	
	Engineer	$7,500 00
	Assistant Engineer	4,300 00
	Assistant Engineer, 2 at $3,000	6,000 00
	Assistant Engineer	2,400 00
	Topographical Draftsman	1,650 00
	Clerk	3,150 00
	Clerk	3,150 00
	Clerk	1,950 00
	Clerk	1,200 00
	Clerk	1,050 00
	Clerk	600 00
	Clerk	480 00
	Law Clerk	2,400 00
	Stenographer and Typewriter, 3 at $1,350	4,050 00
	Confidential Motor Bus Inspector at rate not greater than $4 per day.	750 00
		$40,630 00

Which was adopted by the following vote:

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

Department of Finance—Transfer of Appropriation and Modification of Schedules (Cal. No. 29).

The Secretary presented the following report of the Comptroller requesting a transfer within the appropriation for said Department for 1914 and the modification of schedules therefor:

The City of New York, Department of Finance, Comptroller's Office, July 8, 1914.

The Honorable Board of Estimate and Apportionment:

Gentlemen—Request is hereby made that the Budget Schedule Lines supporting the appropriations as made to the Department of Finance for the year 1914, be modified in order to provide for changes specifically enumerated as follows:

76, *Administration.*

First—For the transfer of one position of Stenographer and Typewriter, at $1,200 per annum, from Account "77, Chief Clerk," to Account "76, Administration." (Miss Anna L. O'Brien.)

Second—For the transfer of one position of Clerk, at $1,050, from July 15, to Account "77, Chief Clerk," to be used for the purposes shown under the heading of that Account.

Third—For changing total of account "76, Administration," from $64,700 to $64,850.

77, *Chief Clerk.*

First—For the transfer of one position of Stenographer and Typewriter, at $1,200, from Account "77, Chief Clerk," to Account "76, Administration."

Second—For the transfer of one position of Clerk, at $1,050, as of July 15th, from Account "76, Administration," to Account "77, Chief Clerk," to be used for the purpose of establishing an additional position of Stenographer and Typewriter, at $750, and Clerk, at $300, to be appointed from Civil Service eligible lists.

Third—Change total of Account "77, Chief Clerk," from $28,410, to $28,260.

78, *Law and Adjustment.*

First—For the purpose of providing salaries for four temporary Stenographers at $1,050 each, appointed from Civil Service eligible lists, it is proposed to use $4,200 obtained by striking out two vacant positions of Examiner at $2,100 each. The names of the Stenographers are Mary A. S. Moeller, Edna M. Peterson, Carrie S. Joseph and Mrs. Amelia Friedman.

Second—For the transfer from Account "86, Auditing, Accounts and Awards," of the following positions:

Clerk, at	$2,650 00
Bookkeeper, at	1,200 00
Examiner, at	1,650 00
Stenographer and Typewriter at	1,350 00
Stenographer and Typewriter at	900 00
Searcher at	1,650 00

Third—Change total of Account "78, Law and Adjustment," from $104,670, to $114,070.

81, *Municipal Investigation and Statistics.*

First—For the appointment from Civil Service eligible list, of two Accountants at $2,400 each, and two Examiners at $2,400 each, it is proposed to strike out two vacant positions of Expert Accountant with respective salaries of $3,000 and $3,500, and $3,500; Accountant at $2,100, and $1,000 from "Balance Unassigned."

Second—For the transfer of one position of Typewriting Copyist at $900 to Clerk at $900 (Miss Bertha Josephs), as of August 1st.

Third—For the purpose of employing an additional Stenographer and Typewriter at $750, it is proposed to use $750 of item "Balance Unassigned."

84, *Market and Sundry Revenues.*

First—To provide for the transfer of Margaret S. Heatherton, at present a Stenographer and Typewriter at $1,200, to Clerk at the same salary as of August 1st.

85, *Inspection.*

First—For the transfer of an Assistant Engineer at $1,800 from Board of Water Supply (Mr. MacRea Sykes), to the Engineering Division of the Department of Finance, it is proposed to use $1,800 of vacant position of Assistant Engineer at $2,700, placing $900 in item "Balance Unassigned."

86, *Auditing, Accounts and Awards.*

First—For the transfer to Account "78, Law and Adjustment," of the following positions:

Clerk at	$2,650 00
Bookkeeper at	1,200 00
Examiner at	1,650 00
Stenographer and Typewriter at	900 00
Stenographer and Typewriter at	1,350 00
Searcher at	1,650 00

Second—Change total of Account "86, Auditing, Accounts and Awards," from $320,130 to $310,730.

100, *Contingencies.*

First—Change line "Temporary Clerks at $3 per day, $15,000." to read, "Temporary Clerks at $3 per day (4,624) days, $13,875," "Typewriting Copyist at $750 (12 months), $750," "Stenographer and Typewriter at $750 (6 months), $375."

The changes shown under the last mentioned account are necessary in order to meet present conditions regarding temporary work.

Resolutions (two) authorizing the changes herein requested are transmitted herewith for adoption.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

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

FROM

Executive and Advisory.

77	Chief Clerk	$118 75

Auditing, Disbursing and Accounting.

86	Auditing, Accounts and Awards	4,700 00
		$4,818 75

TO

Executive and Advisory.

76	Administration	$118 75
78	Law and Adjustment	4,700 00
		$4,818 75

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the following modifications of the Schedule of Salaries supporting the appropriations made to the Department of Finance, for the year 1914, entitled and as follows:

Executive and Advisory—76—Administration.

Deputy Comptroller, 3 at $7,500	$22,500 00
Assistant Deputy Comptroller	6,000 00
Secretary to the Department	6,000 00
Clerk to the Comptroller	2,100 00
Stenographer to the Comptroller	1,500 00
Examiner of Accounts of Institutions	5,000 00
Security Deposit Clerk	2,100 00
Cashier	2,100 00
Clerk	2,250 00
Clerk	1,650 00
Clerk	1,500 00
Clerk	1,350 00
Clerk, at $1,050, not to be used after July 15th	1,050 00
Clerk	900 00
Auditor of Accounts	3,000 00
Stenographer and Typewriter, 2 at $1,200	2,400 00
Messenger, 3 at $1,500	4,500 00
	$64,850 00

Executive and Advisory—77—Chief Clerk.

Clerk (Chief)	$3,150 00
Clerk	3,150 00
Clerk	2,400 00
Clerk	1,800 00
Clerk	1,350 00
Clerk	1,200 00
Clerk	1,050 00
Clerk	540 00
Clerk, 3 at $480	1,440 00
Clerk, 2 at $300	600 00
Clerk (available from July 15th *only*)	300 00
Stenographer and Typewriter	750 00
Stenographer and Typewriter (available from July 15th *only*)	750 00
Telephone Operator, 3 at $1,050	3,150 00
Laborer, 2 at $900	1,800 00
Cleaner, 2 at $540	1,080 00
Bookbinder	1,350 00
Bookbinder, 2 at $1,200	2,400 00
	$28,260 00

Executive and Advisory—78—Law and Adjustment

Auditor of Accounts	$6,000 00
Auditor of Accounts	5,000 00
Auditor of Accounts	4,000 00
Auditor of Accounts, 2 at $3,000	6,000 00
Deputy Auditor of Accounts	2,500 00
Examiner	2,550 00
Examiner, 4 at $2,100	8,400 00
Examiner, 4 at $1,800	7,200 00
Examiner, 4 at $1,650	6,600 00
Examiner, 3 at $1,500	4,500 00
Examiner, 2 at $1,200	2,400 00
Examining Inspector, 2 at $1,650	3,300 00
Examining Inspector, 3 at $1,500	4,500 00
Bookkeeper	1,200 00
Clerk	2,650 00
Clerk, 2 at $1,350	2,700 00
Clerk, 3 at $1,200	3,600 00
Clerk, 2 at $750	1,500 00
Clerk	540 00
Clerk, 2 at $480	960 00
Clerk, 3 at $300	900 00
Financial Clerk	1,200 00
Law Clerk	2,600 00
Law Clerk	1,800 00
Law Clerk, 2 at $1,200	2,400 00
Medical Examiner	4,000 00
Stenographer and Typewriter	1,500 00
Stenographer and Typewriter, 4 at $1,350	5,400 00
Stenographer and Typewriter, 5 at $1,200	6,000 00
Stenographer and Typewriter, 3 at $1,050	3,150 00
Stenographer and Typewriter, 4 at $1,050 (temporary)	4,200 00
Stenographer and Typewriter	900 00
Stenographer and Typewriter	750 00
Messenger	1,350 00
Searcher	1,650 00
Balance unassigned	170 00
	$114,070 00

Executive and Advisory, 81, Municipal Investigation and Statistics.

Supervising Statistician and Examiner	$6,000 00
Accountant	4,000 00
Expert Accountant	4,000 00
Expert Accountant, 2 at $3,500	7,000 00
Expert Accountant, 4 at $2,500	10,000 00
Expert Accountant, 7 at $2,100	14,700 00
Auditor of Accounts, 2 at $3,000	6,000 00
Accountant	3,000 00
Accountant, 28 at $2,400	67,200 00
Statistician	2,100 00
Statistician	1,800 00
Examiner	4,000 00
Examiner	3,500 00
Examiner, 4 at $2,400	9,600 00
Examiner	2,250 00
Examiner	1,950 00
Examiner	1,800 00
Examiner	1,650 00
Bookkeeper	2,400 00
Bookkeeper	1,650 00
Bookkeeper, 2 at $1,200	2,400 00
Examining Inspector	3,000 00
Clerk, 3 at $2,100	6,300 00
Clerk	1,950 00
Clerk	1,800 00
Clerk	1,500 00
Clerk, 2 at $1,050	2,100 00
Clerk (available from August 1st *only*)	900 00
Clerk	600 00
Clerk, 3 at $300	900 00
Searcher	1,050 00
Financial Clerk	1,800 00
Stenographer and Typewriter	900 00
Stenographer and Typewriter	2,250 00
Typewriting Copyist	900 00
Typewriting Copyist (not to be used after August 1st)	900 00
Typewriting Copyist	750 00
Tabulating Machine Operator, 2 at $780	1,560 00
Balance Unassigned	1,760 00
	$187,020 00

Collection, 84, Market and Sundry Revenues.

Collector of City Revenue and Superintendent of Markets	$4,000 00
Deputy Superintendent of Markets	2,500 00
Deputy Collector of City Revenue	2,100 00
Cashier	2,100 00
Cashier	1,650 00
Cashier	1,500 00
Bookkeeper	1,800 00
Clerk, 2 at $1,200	2,400 00
Clerk	300 00
Stenographer and Typewriter (not to be used after August 1st)	1,200 00
Collection Clerk	1,650 00
Collection Clerk	3,000 00
Collection Clerk	2,700 00
	$25,700 00

Auditing, Disbursing and Accounting, 85, Inspection.

Examiner	$4,000 00
Examiner	1,650 00
Examiner	2,400 00
Examiner	1,050 00
Examining Inspector, 12 at $1,500	18,000 00
Examining Inspector	1,350 00
Inspector of Repairs and Supplies	2,550 00
Inspector of Repairs and Supplies, 2 at $1,800	3,600 00
Inspector of Repairs and Supplies	1,650 00
Inspector of Repairs and Supplies	4,500 00
Inspector of Repairs and Supplies, 7 at $1,200	8,400 00
Inspector of Regulating, Grading and Paving	1,800 00
Inspector of Regulating, Grading and Paving	1,500 00
Inspector of Regulating, Grading and Paving	1,350 00
Inspector of Regulating, Grading and Paving, 4 at $1,200	4,800 00
Inspector of Sewer Construction	1,350 00
Inspector of Sewer Construction, 2 at $1,200	2,400 00
Inspector of Sewers	1,800 00
Veterinarian	1,800 00
Principal Assistant Engineer	6,000 00
Assistant Engineer	3,500 00
Assistant Engineer	3,000 00
Assistant Engineer	2,700 00
Assistant Engineer	2,400 00
Assistant Engineer	6,300 00
Assistant Engineer	5,400 00
Transitman and Computer	1,650 00
Stenographer and Typewriter, 2 at $1,050	2,100 00
Clerk	2,100 00
Clerk	1,800 00
Clerk	1,650 00
Clerk	1,500 00
Clerk	1,350 00
Clerk	1,200 00
Clerk	1,050 00
Clerk	960 00
Clerk	750 00
Clerk, 2 at $480	960 00
Clerk, with Special Knowledge as Cataloguer	750 00
Balance Unassigned	900 00
	$113,910 00

Auditing, Disbursing and Accounting, 86, Auditing Accounts and Awards.

Chief Auditor of Accounts	$6,000 00
Chief Accountant and Bookkeeper	6,000 00
Accountant	4,000 00
Bookkeeper	4,000 00
Auditor of Accounts, 2 at $4,000	8,000 00
Auditor of Accounts	3,500 00
Auditor of Accounts, 12 at $3,000	36,000 00
Deputy Auditor of Accounts	2,500 00
Deputy Auditor of Accounts	2,100 00
Expert Accountant	2,500 00
Expert Accountant	2,400 00
Expert Accountant	1,800 00
Accountant	3,000 00
Accountant, 4 at $2,400	9,600 00
Accountant	2,100 00
Accountant	1,800 00
Accountant	1,650 00
Bookkeeper	3,000 00
Bookkeeper	2,400 00
Bookkeeper	2,250 00
Bookkeeper, 2 at $2,100	4,200 00
Bookkeeper	1,950 00
Bookkeeper	1,800 00
Bookkeeper, 3 at $1,650	4,950 00
Bookkeeper, 2 at $1,500	3,000 00
Bookkeeper, 12 at $1,350	16,200 00
Bookkeeper, 17 at $1,200	20,400 00
Examiner	2,550 00
Examiner	2,250 00
Examiner, 2 at $2,100	4,200 00
Examiner, 2 at $1,950	3,900 00
Examiner	1,800 00
Examiner, 3 at $1,650	4,950 00
Examiner, 2 at $1,500	3,000 00
Examiner	1,050 00
Examining Inspector, 2 at $2,100	4,200 00
Examining Inspector, 2 at $1,800	3,600 00
Examining Inspector	1,500 00
Clerk	4,500 00
Clerk	2,400 00
Clerk	2,250 00
Clerk, 4 at $2,100	8,400 00
Clerk, 3 at $1,950	5,850 00
Clerk, 3 at $1,800	5,400 00
Clerk, 8 at $1,650	13,200 00

Clerk, 9 at $1,500	13,500 00
Clerk	1,350 00
Clerk, 5 at $1,200	6,000 00
Clerk, 11 at $1,050	11,550 00
Clerk, 6 at $900	5,400 00
Clerk, 2 at $750	1,500 00
Clerk, 4 at $600	2,400 00
Clerk, 5 at $540	2,700 00
Clerk	480 00
Clerk, 7 at $300	2,100 00
Financial Clerk	2,100 00
Financial Clerk, 2 at $1,350	2,700 00
Financial Clerk	1,200 00
Stenographer and Typewriter	1,650 00
Stenographer and Typewriter	1,500 00
Stenographer and Typewriter	1,350 00
Stenographer and Typewriter, 4 at $1,200	4,800 00
Stenographer and Typewriter (Typewriting Copyist)	750 00
Typewriting Copyist	1,050 00
Typewriting Copyist	750 00
Typewriting Accountant	1,350 00
Typewriting Accountant, 5 at $1,200	6,000 00
Typewriting Accountant	1,050 00
Adding and Billing Machine Operator (Typewriting Accountant)	900 00
Messenger	1,350 00
Messenger	1,200 00
Messenger	1,050 00
Messenger	900 00
	$310,730 00

100—*Contingencies.*

Special Services, Supper Moneys and Sundry Expenses	$15,550 00
Temporary Bookkeepers, at $1,200	13,000 00
Temporary Clerks, at $3 per day (4,625 days)	13,875 00
Typewriting Copyist at $750 (12 months)	750 00
Stenographer and Typewriter, at $750 (6 months)	375 00
	$43,550 00

Which was adopted by the following vote:

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

MATTERS CONSIDERED BY UNANIMOUS CONSENT.

The following matters not on the Calendar for this day were considered by unanimous consent.

City Island Railroad Company (No. 30).

The President of the Borough of The Bronx announced he was informed that the interests controlling the Union Railway Company of New York City had purchased from the Interborough Rapid Transit Company the latter's interests in the City Island Railroad Company and were prepared to make an application for extensions through Pelham Bay Park, and also to the terminus of the Union Railway Company on Westchester Avenue. He stated that the Company was anxious to immediately commence the construction of the railway from City Island Bridge to Bartow Station, and he was of the opinion the Board should authorize the Park Commissioner to issue a temporary permit therefor, and moved:

That the Park Commissioner be authorized, in his discretion, to issue a revocable permit to the City Island Railroad Company for the construction of a railway from City Island Bridge to the easterly side of the Eastern Boulevard (Pelham Bay Road), upon a route to be determined by the President of the Borough of The Bronx, the Park Commissioner and the Chief of the Bureau of Franchises, operation to continue pending action by the Board upon an application for a franchise and under the usual stipulation in such cases, that the track should be later removed if no grant was made.

Which motion was adopted by the following vote:

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

Modifications of Schedules, Approval of Plans, Etc., During Summer Recess (No. 31).

The Comptroller offered the following resolution:

Resolved, That the Board of Estimate and Apportionment hereby authorizes the Comptroller to take final action, during the summer recess, upon all requests for modifications of salary and wage schedules when such requests do not involve a transfer of funds from one account to another, or a salary increase or increases in force; also upon all requests for approval of forms of contracts, plans, specifications, estimates of cost and preliminary and final agreements with architects for work to be done for various departments, etc., such modifications and approvals of forms of contracts, etc., when acted upon by the Comptroller, to have the same force and effect as if approved by the Board of Estimate and Apportionment; and be it further

Resolved, That the Comptroller be and is hereby directed to have published in the CITY RECORD all such modifications of salary and wage schedules, together with all forms of contracts, plans, etc., approved, under authority given herein, and report said action to the Board of Estimate and Apportionment for its information and approval.

Which was adopted by the following vote:

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

Public Service Commmission for the First District—Consent to Award of Contract to the Indianapolis Frog and Switch Company for the Supply of "Special Work, Portions Nos. 4, 7 and 8" of the Broadway-Fourth Avenue Rapid Transit Railroad, in Brooklyn, and the Issue of Corporate Stock Therefor (No. 32).

The Secretary presented the following requisition of the Public Service Commission for the First District, dated July 9, 1914, for the consent of the Board to the award of a contract to the Indianapolis Frog & Switch Company, for the supply of special work, Portions No. 4, 7 and 8, being a part of the Broadway-Fourth Avenue Rapid Transit Railroad, and the issue of Corporate Stock therefor; and the report of the Comptroller recommending approval thereof:

Public Service Commission for the First District, 154 Nassau Street, Tribune Building, New York, July 9, 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 Indianapolis Frog and Switch Company for the supply of Special Work, Portions Nos. 4, 7 and 8, being a part of the Broadway-Fourth Avenue Rapid Transit Railroad, the aggregate of the unit prices in the proposal amounting to three thousand eight hundred and sixty-seven dollars and sixty cents ($3,867.60).

The Public Service Commission for the First District requests your Honorable Board to consent to said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit, the sum of three thousand eight hundred and sixty-seven dollars and sixty cents ($3,867.60), and also to direct the Comptroller of the City of New York to issue the bonds of said City at such a rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for the supply of Special Work of said Portions Nos. 4, 7 and 8 at the public expense, to wit, the sum of three thousand eight hundred and sixty-seven dollars and sixty cents ($3,867.60).

The Public Service Commission for the First District does hereby, pursuant to Section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing said contract, to wit, the sum of Three Thousand Eight Hundred and Sixty-Seven Dollars and Sixty Cents ($3,867.60).

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

In Witness Whereof, The Public Service Commission for the First District has caused its official seal to be hereto affixed and attested by its Secretary and these presents to be signed by its Chairman this 9th day of July, 1914.

(Seal.)

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

Attest: TRAVIS H. WHITNEY, Secretary.

CONTRACT FOR SPECIAL WORK.

Portions Nos. 4, 7 and 8.

Agreement made this day of , 191 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 Rapid Transit Act, being Chapter 4 of the Laws of 1891, as amended by Chapter 540 of the Laws of 1913, authorizes the Commission to enter into a contract directly with a contractor without advertising for proposals where the estimated expense of such a contract does not exceed ten thousand dollars ($10,000); and

Whereas the estimated expense of this contract is less than ten thousand dollars ($10,000); and

Whereas the Contractor is willing to do the work and furnish the materials hereinafter mentioned and described and to provide the necessary labor, materials, plant, machinery power, tools and appliances for the performance of such work and the furnishing of such materials, for the compensation hereinafter expressed; and

Whereas this agreement has been approved by the Board of Estimate and Apportionment of the City;

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 No. 4, 7 and 8, 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".

istrators, or their executors, administrators.

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.

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, and hereinafter referenced 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:

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*Here insert, if a corporation, *itself, its successors;* if a single individual, *himself, his executors, administrators;* if several individuals, *themselves, jointly and severally, and their and each of their executors, administrators.*

†Here and in like blanks insert *y* or *ies*, as the case may be.

‡Here insert, as the case may be, either *its successors*, or *his executors, admin-*

§Here fill in the number of days stipulated in the Contractor's Proposal.

Portion 4.

Contract Drawing No. T-2004, Broadway-Fourth Ave. Line-A. Special Work North of Gold St. Station, Tracks 2, 4 and 4-A. Date, June 3, 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.

Contract Drawing No. T-2004-2, Broadway-Fourth Ave. Line A. Special Work North of Gold St. Station, Special Housed Switch No. 2. Date, June 3, 1914.

Contract Drawing No. T-1114-a, Standard No. 4 Rigid Frog. Date, May 8, 1914.

Portion 7.

Contract Drawing No. T-2007, Broadway-Fourth Ave Line A. Special Work South of De Kalb Ave. Station, Tracks 3, 3A and 4A. Date, June 3, 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.

Portion 8.

Contract Drawing No. T-2008, Broadway-Fourth Ave. Line F. Special Work North of Pacific St. Station, Tracks 2 and 4. Date, May 21, 1914.

Contract Drawing No. T-2008-4, Broadway-Fourth Ave. Line F. Special Work North of Pacific St. Station, Special Housed Switch No. 4. Date, May 21, 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.

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-b, Standard Housing Chair. Date, June 11, 1914.

Contract Drawing No. T-1019-b, Standard Switch Rods and Strap Braces. Date, June 17, 1914.

Contract Drawing No. T-1020-a, Standard Housing. Date, May 8, 1914.

Contract Drawing No. T-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-a, Standard Frog Clips. Date, May 8, 1914.

Contract Drawing No. T-1063-a, Standard Housing Chairs B and C. Date, May 8, 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 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 burs 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 future 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 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 aforsaid 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.

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*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.

*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.

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 No. 4, 7 and 8.

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. 4, 7 and 8, 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 pursance 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 No. 4, 7 and 8, 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 4.

3 No. 4 Rigid Frog, the sum of dollars ($) each.
2 Special Double Housed Switch Points, the sum of dollars ($) each.
1 Special Single Housed Switch Points, the sum of dollars ($) each.
4 Cast Iron Fillers for insulated joints, with bolts and nuts, the sum of dollars ($) each.
Tie plates X, the lump sum of dollars ($) each.

Portion 7.

2 No. 8 Rigid Frogs, the sum of dollars ($) each.
1 No. 8 Single Housed Switch Points, the sum of dollars ($) each.
1 No. 8 Double Housed Switch Points, the sum of dollars ($) each.
Tie Plates X, the lump sum of dollars ($) each.

Portion 8.

2 No. 5 Rigid Frogs, the sum of dollars ($) each.
1 No. 5 Single Housed Switch Points, the sum of dollars ($) each.
1 Special Double Housed Switch Points, the sum of ($) each.
3 Cast Iron Fillers for insulated joints, with bolts and nuts the sum of dollars ($) each.
Tie Plates X, the lump sum of dollars ($) each.

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, with or without public adverisement, as the Commission may elect, 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) 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.

(5) 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.

(6) There are no persons interested with the undersigned in this Proposal, except†

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein or other officer of the City 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, July 10, 1914.

To the Board of Estimate and Apportionment:

Gentlemen—On July 9, 1914, the Public Service Commission for the First District transmitted for the consent of the Board a proposed contract to be entered into between the City of New York and the Indianapolis Switch and Frog Company, for the supply of special work, designated as "Portions Nos. 4, 7 and 8," for use in the Fourth Avenue subway, Brooklyn, at an estimated cost of $3,867.60.

The Commission requested the consent of the Board to enter into this contract, to prescribe a limit of $3,867.60 to the amount of bonds to be made available to meet the obligations thereof and to direct the Comptroller to issue bonds to the necessary amount, the same to be charged against the appropriation of $60,000,000 made by the Board on March 18, 1913, for the purpose of carrying out the terms of Contract No. 4.

This contract is proposed under Chapter 540, Laws of 1913, which permits the Commission to award contracts for work costing less than $10,000 without public letting; however, in this case, six bidders competed on private invitation.

It provides for the furnishing of three more of the fourteen portions of special work necessary for completion of the track laying contract, the award of which you recently approved. Contracts for seven more portions are to follow.

The supplying of this material on the part of the City to the track laying contractor is urgent, and we, therefore, recommend the adoption of the attached resolution consenting to the award of the contract, 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 duly made by said Commission on July 9, 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 Indianapolis Switch and Frog Company for the supply of "special work, Portions Nos. 4, 7 and 8," being a part of the Broadway-Fourth Avenue Rapid Transit Railroad, in the Borough of Brooklyn, at an estimated cost of three thousand eight hundred and sixty-seven dollars and sixty cents ($3,867.60); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for such purposes shall be three thousand eight hundred and sixty-seven dollars and sixty cents ($3,867.60); and be it further

Resolved, That the Comptroller be and hereby is directed to issue corporate stock of The City of New York to the amount of three thousand eight hundred and sixty-seven dollars and sixty cents ($3,867.60) at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds to the amount of the par value thereof to be applied to the purposes mentioned in the communication of the Public Service Commission for the First District to this Board dated July 9, 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.

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*The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given.

*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."

Which was adopted by the following vote:

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

President, Borough of Richmond—Establishment of Position of Secretary of the Borough (No. 33).

The Secretary presented a communication from the President of the Borough of Richmond, dated July 10, 1914, requesting the establishment of the position of Secretary of the Borough at $3,000 per annum, for one incumbent.

Which was referred to the Committee on Salaries and Grades.

District Attorney, New York County—Issue of Special Revenue Bonds (No. 34).

The Secretary presented a communication from the District Attorney, New York County, dated July 8, 1914, requesting an additional appropriation of $50,000 special revenue bonds (section 1542 of the Charter) for the proper conduct of the criminal actions against Henry Siegel, Frank E. Vogel, Charles Becker and Hans Schmidt.

Which was referred to the Comptroller for report on July 30, 1914.

Establishment of Municipal Markets (No. 35).

The Secretary presented a communication from Mr. Victory K. McIlheny, Jr., President, Advisory Counsel, Wholesale District of Greater New York, dated June 2, 1914, enclosing copy of resolution adopted by said Counsel and requesting the Board to give careful consideration to Paragraph 6 of said resolution, relative to the establishment of wholesale market terminals, and before any action is taken by the Board that public hearing be held, and that ample time be given for the study and investigation of the facts presented at said hearing. Also, a copy of the Journal of Commerce of May 25, 1914, setting forth the failure of another city market, which the Counsel considers in keeping with the history of municipal markets.

Which were referred to the Committee on Markets.

Fifth Avenue Coach Company (Cal. No. 36).

The Secretary presented communications from George S. Morris and eleven others, urging the granting of a franchise to the above named Company for an extension of its routes in the Borough of Manhattan.

Which were referred to the Bureau of Franchises.

Various Borough Presidents—Appropriation for Repaving (No. 37).

A resolution authorizing the issue of $1,090,000 Corporate Stock, additional, for repaving streets and avenues of the various Boroughs, the apportionment thereof to be reported on by the Committee on Corporate Stock Budget at the meeting of July 30, 1914, was lost by the following vote.

Affirmative—The President of the Board of Aldermen and the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn and the Presidents of the Boroughs of The Bronx, Queens and Richmond—10.

Negative—The Mayor and the Comptroller—6.

The matter was then ordered on the calendar for July 30, 1914, and the Committee on Corporate Stock Budget was requested to report on the apportionment of said amount on that date.

On motion, the Board adjourned to meet Thursday, July 30, 1914, at 10.30 o'clock a. m.

JOSEPH HAAG, Secretary.

DEPARTMENT OF FINANCE.

WARRANTS MADE READY FOR PAYMENT IN DEPARTMENT OF FINANCE MONDAY, AUGUST 10, 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.
			Board of Aldermen.	
104371	7-13-14. 7-25-14	8- 6-14	M. B. Brown Printing & Binding Co..	$59 75
104373	7-22-14	8- 7-14	Provost, Humbert & Williams.....	3 00
104372	7-13-14	8- 7-14	F. F. Fuhrmann	1 10
			Armory Board.	
103218	7- 1-14	8- 5-14	Nicholas J. Schery	$90 00
103230	7-14-14	8- 5-14	Nicholas J. Schery	72 00
103204		5-23-14	Waterbury Co.	95 20
100282	38949	7-30-14	Clinton & Russell .....Final	500 00
103213	5-26-14	8- 5-14	Stanley & Patterson	1 72
103206	6-25-14	8- 5-14	American Radiator Co.	3 00
103203	6-16-14	8- 5-14	The Lunkenheimer Co.	6 33
103198	6-17-14	8- 5-14	Standard Oil Co. of New York.....	10 00
94829	36050	7-17-14	Elisha H. Janes	230 55
94830	37281	7-17-14	B. Diamond	1,376 00
100281	34563	7-30-14	Owego Bridge Co.	902 48
100280	31946	7-30-14	Pilcher & Tachau	22 56
			Department of Bridges.	
102717			Edward S. Kiernan	$78 60
103765	35224		William P. Seaver	5,956 32
103765	35224	8- 8-14	William P. Seaver.....	5,956 32
103766	35224	8- 8-14	William P. Seaver.....	13,968 68
103763	39153	8- 7-14	Bernard, Brindze & Co.....	4,134 06
103587	6- 9-14	8- 6-14	Edison Lamp Works of General Electric Co.	5 09
103586	7-21-14	8- 6-14	The Petroleum Products Co.....	26 25
103588	7-17-14	8- 6-14	The John C. Orr Co.....	428 88
103589	7- 8-14. 7-16-14	8- 6-14	Froment & Co.	288 01
103590	7-20-14	8- 6-14	Egleston Bros. & Co.	27 05
103591	7-24-14	8- 6-14	Harlem Contracting Co.	13 65
103592	7- 2-14. 7- 8-14	8- 6-14	The Goodyear Rubber Tire Co.	28 60
103593	7-16-14	8- 6-14	A. J. & J. J. McCollum	10 70
			Bellevue and Allied Hospitals.	
100816	40031	7-31-14	McKim, Mead & White	$2,000 00
100864	6-18-14	7-31-14	Jordon Bros.	54 45
100793	6-15-14. 6-20-14	7-31-14	The J. C. M. Mfg. Co., Inc.....	351 00
			Municipal Civil Service Commission.	
104339		8- 7-14	Thomas C. Murray, First Assistant Chief Examiner	$141 30
104338	39265		New York Telephone Co.....	198 09
104337		8- 7-14	Joseph Ellner	100 00
104336		8- 7-14	Archibald Murray, M. D.	100 00
			City Magistrates' Courts, First Division.	
103510	7-31-14	8- 6-14	Nicola Mitarotonda	$5 00
104331		8- 7-14	Philip Bloch, Chief Clerk	7 47
104332		8- 7-14	Philip Bloch, Chief Clerk	34 95
103508	8- 1-14	8- 6-14	New York Towel Supply Co.....	29 95
103507	7-14-14	8-16-14	Knickerbocker Ice Co.	26 04
103509	8- 1-14	8- 6-14	Frank Fottizzi	12 30
			Surrogates' Court, New York County.	
103298	7-31-14	8- 5-14	Knickerbocker Towel Supply Co.....	$20 00
103296	6-29-14	8- 5-14	Diebold Safe & Lock Co.....	3 00
			Court of Special Sessions.	
104278		8- 7-14	Charles S. Ehrlich	$70 00
104277		8- 7-14	Samuel Meratchnik	60 00
104768		8- 7-14	Edward B. Reinius	3 00
102274	6-29-14	8- 3-14	The John C. Orr Co.....	35 00
			Court of General Sessions.	
103054		8- 5-14	Thomas W. Osborne	$126 00
103054		8- 5-14	Thomas W. Osborne	190 50
			County Clerk, Kings County.	
105223	8- 1-14	8- 8-14	Charles S. Devoy, as County Clerk...	$10 00
105222	6-30-14	8- 8-14	Great Bear Spring Co.....	30 90
105219	8- 1-14	8- 8-14	Clynta Water Co.....	3 30
105220	5-11-14	8- 8-14	The Crescent Towel Supply Co.....	3 25
105221			The Banks Law Publishing Co.....	6 50
105224	8- 1-14	8- 8-14	Charles S. Devoy, as County Clerk...	2 97
			Board of City Record.	
102149	7- 8-14. 7-14-14	8- 3-14	William Bratter & Co.....	$106 20
			Department of Correction.	
104516		8- 7-14	Frank W. Fox, Warden.....	$19 20
			District Attorney, New York County.	
104519	6-30-14. 7- 3-14	8- 7-14	Benj. H. Tyrrel	$103 86
104518	7-14-14	8- 7-14	The Western Union Telegraph Co....	44 16
104520	8- 1-14	8- 7-14	Allen & Arnink.....	14 00
104517	7-31-14	8- 7-14	Postal Telegraph Cable Co.....	31 88
104763		8- 7-14	William T. Fishbough, Official Stenographer	210 00
104765		8- 7-14	Hillard Manufacturing Co.....	10 50
104766		8- 7-14	D. W. Quinn, Jr.....	61 40
104767		8- 7-14	Jacob Luban	36 00
104764		8- 7-14	David N. Carvalho	45 00
			District Attorney, Bronx County.	
103528		8- 6-14	John J. McLaughlin, Assist. Dist. Atty.	$17 00
103527		8- 6-14	James Digilio, Detective.....	8 05
103526		8- 6-14	Michael A. Batto.....	13 70
103534		8- 6-14	Benjamin Hirsch, Messenger.....	2 70
103535		8- 6-14	James J. Mulhearn, County Detective..	1 95
103536		8- 6-14	Sigmund Fox, County Detective.....	18 90
103537		8- 6-14	J. Guasconi, Prop.....	1 75
103538	7-31-14	8- 6-14	Berkshire Spring Co.....	7 90
103518	7-31-14	8- 6-14	Paul J. Schmitz.....	10 00
103519	7-28-14	8- 6-14	S. Kessler	4 00
103521		8- 6-14	M. Harrison	9 90
103523	7-20-14	8- 6-14	Thos. Cook & Son.....	65 80
103522	7-22-14	8- 6-14	Louis J. Curl	70 50
103525		8- 6-14	Thomas Gleason	12 70
103520		8- 6-14	William C. Hamilton.....	10 00
103540		8- 6-14	Henry Martin	60 00
			District Attorney, Richmond County.	
103292	6-30-14	8- 5-14	New York Belting & Packing Co.....	$7 31
103293	6-30-14	8- 5-14	Chas. F. Morgan.....	20 75
103290	6-16-14	8- 5-14	J. F. Dour	2 50
103295	7-22-14	8- 5-14	Decker's Express	2 00
103294	7- 1-14	8- 5-14	J. F. Dour	2 40
			Department of Docks and Ferries.	
103629		8- 6-14	Department of Docks and Ferries.....	$1 60
103632			Department of Docks and Ferries.....	1 60
103607			W. R. Ostrander & Co.....	76 80
103602	7-13-14	8- 6-14	Manning, Maxwell & Moore.....	12 50
103604	7-23-14	8- 6-14	New York Lubricating Oil Co.....	17 50
103608	7-17-14	8-12-14	Platt & Washburn Refining Co.....	24 00
103654	7-22-14	8- 6-14	Chas. G. Salomon's Orchestra and Military Band	50 00
103654			Barne's Marine Band, C. M. Barnes, Conductor	40 00
103656	7-25-14	8- 6-14	D. Davis' Orchestra and Military Band	40 00
103655			John Muller Military Band and Orchestra	40 00
103653	7-21-14	8- 6-14	Louis Nicastro, Musical Director.....	40 00
103652	7-21-14	8- 6-14	David J. Wild's Orchestra and Military Band	40 00
103650	7-23-14	8- 6-14	Edward Favenza, Bandmaster.....	50 00
103649	7-22-14	8- 6-14	Charles H. Ferris Orchestra and Military Band	50 00
103641	7-20-14	8- 6-14	Paul Dierks	70 00
103646	7-26-14	8- 6-14	Stretz's Orchestra	60 00
103606	7- 6-14	8- 6-14	Edison Lamp Works of General Electric Company	309 00
103636	7-19-14	8- 6-14	Nova's Conservatory of Music, Jay Nova, Director	160 00
103637	7-20-14	8- 6-14	Thomas F. Shannon, Bandmaster, Twenty-third Regiment	140 00
103638	7-25-14	8- 6-14	Somerset's First Regiment Irish Volunteer Band and Orchestra, William Somerset, Director	80 00
103639	7-18-14	8- 6-14	Cicio and His Concert Band.....	80 00
103640	6- 8-14	7-27-14	Ward's Orchestra and Military Band, Thomas P. Ward, Leader.....	80 00
103642	7-19-14	8- 6-14	G. Peluco	60 00
103643	7-23-14	8- 6-14	Lederhaus Orchestra and Military Band	60 00
103644	7-22-14	8- 6-14	Joseph T. Slavin Orchestra and Military Band	60 00
103645	7-26-14	8- 6-14	Pennoyer and His Band, Otto G. Pennoyer, Director	60 00
103647	7-22-14	8- 6-14	Michael Clemente, Musical Director...	50 00
103648	7-22-14	8- 6-14	Louis Wancura Orchestra and Concert Band	50 00
103610	7-18-14	8- 6-14	Bell Bag Company.....	10 50
103613	7-16-14	8- 6-14	Chas. W. Wolf.....	18 75
103612	6- 7-14	8- 6-14	John J. Whiting—J. J. Adams Co.....	97 65
103622	7- 7-14	8- 6-14	Stanley & Patterson.....	8 50
103621			The Blake & Knowles Steam Pump Works	14 40
103620	6- 8-14	8- 6-14	Sibley & Pitman	43 45
103624	7-31-14	8- 6-14	Brooklyn Automobile Company	22 50
103623	7-21-14	8- 6-14	Moran Towing & Transportation Co..	50 00
103605			Nurays Manufacturing Co.....	12 01
103657	7-25-14	8- 6-14	Wm. F. Connelly.....	40 00
103658	7-21-14	8- 6-14	Michael J. Costello.....	40 00
103659	7-21-14	8- 6-14	A. Freyer	40 00
103660	7-31-14	8- 6-14	Phillipps Band	40 00
103663	7-25-14	8- 6-14	J. Wollenberg	40 00
103661	7-21-14	8- 6-14	M. Ellenson	40 00
103634		8- 6-14	Department of Docks and Ferries.....	311 70

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
103630		8- 6-14	Department of Docks and Ferries.....	290 30
103609	6-17-14	8- 6-14	E. B. Latham & Company.....	14 85
103601	7-15-14	8- 6-14	L. C. Harry Co.....	104 40
103599	7-23-14	8- 6-14	National Lead Company.....	261 89
103615	7- 9-14	8- 6-14	The Knickerbocker Supply Company..	16 29
103616	7-27-14	8- 6-14	L. C. Harry Co.....	354 00
103618	7-21-14	8- 6-14	The Manhattan Supply Company.....	24 00
103619	6- 8-14	8- 6-14	Moller & Schumann Company.....	189 00
103633		8- 6-14	Department of Docks and Ferries.....	422 07
			Board of Elections.	
102985	6-30-14	8- 6-14	M. B. Brown Printing & Binding Co..	$261 14
102591	7- 3-14	8- 5-14	Reiners and Gabay	274 16
102992	7- 3-14	8- 5-14	Reiners and Gabay.....	37 49
102993	7-17-14	8- 5-14	Reiners and Gabay.....	162 71
102994	7-13-14	8- 5-14	Reiners and Gabay.....	238 23
			Board of Estimate and Apportionment.	
104369		8- 7-14	Katherine H. Yochman.....	$7 65
104365		8- 7-14	John F. Donovan.....	11 11
104364			United District Messenger Co.....	75 60
104363		8- 7-14	The Photoprint Co.....	2 46
104361		8- 7-14	United Electric Service Co.....	95
104362	6- 1-14	8- 7-14	United Electric Service Co.....	65
104360	7-13-14	8- 7-14	The Photoprint Co.....	10 20
104336	6-27-14	8- 7-14	The Spectator Co.....	1 50
104367		8- 7-14	New York Towel Supply Co.....	3 50
104368	7-31-14	8- 7-14	Foster-Scott Ice Co.....	1 25
104358		8- 7-14	Arthur H. Pratt.....	6 74
104359		8- 7-14	John F. Donovan.....	12 00
104357	7- 1-14	8- 7-14	The Peerless Towel Supply Co.....	8 42
103596	6-17-14	8- 6-14	J. F. Dour.....	1 25
103594	7- 6-14	8- 6-14	Swan & Finch Co.....	17 00
103595	6-30-14	8- 6-14	A. A. Benedict.....	2 00
			Department of Education.	
103437	6-16-14	8- 6-14	Hugh McLean	$20 00
103429	6-18-14	8- 6-14	Benjes & Stiefel	127 18
103154	6-13-14	8- 5-14	J. Friedman	45 00
103152	6- 9-14	8- 5-14	H. Hanig	29 50
103153	6- 9-14	8- 5-14	H. Hanig	45 00
103155	6- 3-14	8- 5-14	H. Gordon	28 70
103156	5- 9-14	8- 5-14	Philip Garfinkel, Assignee of I. Rader	80 50
103433	4-10-14	8- 6-14	Lurch Piano Co.....	18 25
102990			The Plaza Printing Co.....	85 00
102989	7- 8-14	8- 6-14	The Freytag Printing Co.	85 00
103421	6- 1-14	8- 6-14	Jos. Rosenthal	19 80
103418			George W. Oelkers.....	17 00
103417	5-19-14	8- 6-14	Theo. W. Morris & Co.....	15 00
103406	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	563 25
103427	6- 7-14	8- 6-14	H. Pfund	22 95
103422	3-31-14	8- 6-14	Welsbach Gas Lamp Co.....	2 34
103408			Bartelstone Bros.	15 60
104011			The G. S. Blodgett Co.....	2 75
104010	6- 1-14	8- 7-14	Joseph Dixon Crucible Co.....	2 31
104004	5- 7-14	8- 7-14	Putnam & Co.....	10 00
104009			The H. C. Hansen Type Foundry.....	6 18
103992			D. C. Heath & Co.....	48
103989	5-19-14	8- 7-14	Dodd, Mead & Co.....	9 00
103990	5-12-14	8- 7-14	Whitcomb & Barrows.....	80
103991	5-12-14	8- 7-14	Sturgis & Walton Co.....	45
103993	5-12-14	8- 7-14	Henry Holt & Co.....	16 40
103994	5-12-14	8- 7-14	Houghton-Mifflin Co.....	3 00
41473			H. Saal	9 90
104582	5- 5-14	8- 7-14	Ernest Cappelle	16 30
104684	6- 5-14. 6-11-14	8- 7-14	Chas. P. Rogers & Co.....	11 25
104686	6- 5-14. 6-11-14	8- 7-14	Chas. P. Rogers & Co.....	71 25
104687	6- 8-14	8- 7-14	Richmond School Furniture Co.....	15 00
104688	6- 3-14. 6- 9-14	8- 7-14	Heywood Brothers & Wakefield Co..	64 75
104583	4- 6-14	8- 7-14	L. P. Gfroerer Co.....	13 10
104683	6- 3-14	8- 7-14	Heywood Brothers & Wakefield Co..	9 25
104682	6- 4-14	8- 7-14	Chas. P. Rogers & Co.	11 25
104681	6-13-14. 6-16-14	8- 7-14	A. Pearson's Sons.....	14 55
104584	6- 9-14. 6-10-14	8- 7-14	Flushing National Bank, Flushing, N. Y., Assignee of Gus Munz.....	44 00
104587	5-27-14	8- 7-14	McKeon & Mackenzie.....	25 30
104689	6- 5-14	8- 7-14	J. F. Valois	1 25
104690	2-19-14. 5-21-14	8- 7-14	The New York Association for the Blind	64 75
104691	6-16-14	8- 7-14	Lawson Piano Co.	1 25
104601	4-15-14	8- 7-14	Goetz & Co.	8 50
104602	4- 1-14	8- 7-14	Goetz & Co.	11 00
104592	5-28-14	8- 7-14	Doncourt Construction Co.	1 25
104591	6- 4-14	8- 7-14	D. S. Guyon	40 25
104590	5- 6-14	8- 7-14	Jacob Kurzban, assignee of J. Cohen..	76 00
104589	5-29-14	8- 7-14	J. Friedman	6 60
104593	4-10-14	8- 7-14	Lurch Piano Co.	1 25
104594	4- 1-14. 4-15-14	8- 7-14	Goetz & Co.	15 00
104595			The New York Association for the Blind	19 00
104596	5- 1-14	8- 7-14	Goetz & Co.	10 75
104597	4-15-14	8- 7-14	Goetz & Co.	4 50
104598	3-15-14	8- 7-14	Goetz & Co.	23 00
104599	5-21-14	8 -7-14	The New York Association for the Blind	10 00
104600		8- 7-14	The New York Association for the Blind	9 50
103997	5-13-14	8- 7-14	The Macmillan Co.	20 88
103996	5-18-14	8- 7-14	American Book Co.	11 05
103995	5-12-14	8- 7-14	Little, Brown & Co.	7 15
104695			Goetz & Co.	2 50
104694	6-18-14	8- 7-14	The New York Association for the Blind	20 00
104693	1-31-14. 6- 5-14	8- 7-14	J. F. Valois	28 75
104692	2-19-14	8- 7-14	The New York Association for the Blind	6 25
104501		6-20-14	Monahan Bros.	100 00
104500	6-20-14	8- 7-14	Monohan Bros.	100 00
104499	6- 8-14	8- 7-14	Mietz & Weiss	1 85
104498	6- 6-14	8- 7-14	Queensboro Scavenger Co.	24 00
104497		6- 6-14	Stephen Thorpe	17 00
104581	5- 5-14	8- 7-14	William Young	6 05
104496	5-16-14	8- 7-14	Pittsburg Plate Glass Co.	28 00
104580	5-25-14	8- 7-14	D. J. Deady Co.	16 85
104579	6- 2-14	8- 7-14	John Gerrard, Jr.	17 22
104578			J. L. Fries	4 26
104576	5-10-14. 5-11-14	8- 7-14	D. Stein	5 20
104700	11- 1-13	8- 7-14	Goetz & Co.	1 25
104699	12- 8-13. 1-10-14	8- 7-14	J. F. Valois	6 25
104696	11-15-13. 1- 9-14	8- 7-14	The New York Association for the Blind	42 50
104697	12-31-13	8- 7-14	Lawson Piano Co.	2 50
104698	11-24-13	8- 7-14	The New York Association for the Blind	7 25

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
104000	3-10-14	8- 7-14	The Fairbanks Co.	5 50
103999	5- 8-14	8- 7-14	L. E. Atherton	10 00
103174	5-23-14	8- 5-14	Greenhut-Siegel Cooper Co.	37 33
104588	5-31-14	8- 7-14	James Yorkston	12 00
104502	5-25-14	8- 7-14	H. S. Brower	25 00
101132	5-28-14	8- 3-14	S. Zacharkow	79 00
101083	7-31-14	8- 4-14	C. H. Browne	235 00
101949	5-27-14	8- 3-14	Kalt Lumber Co.	196 25
100534	10-22-12 436	7-30-14	John Wanamaker	16 80
100520	11-26-13 436	7-30-14	John Wanamaker	5 37
102132	12- 9-13 436	8- 3-14	John Wanamaker, New York.....	7 35
100521	1-30-13 436	7-30-14	John Wanamaker, New York.....	173 95
100524	12-30-13 436	7-30-14	John Wanamaker, New York.....	35 23
101627			Simon Russek, Assignee of R. Solomon & Son, Inc.....	75 00
102058	38594	8- 3-14	National Regulator Co.....	412 50
103382	3-19-14	8- 6-14	Moss & Kendall.....	11 25
103381	3- 9-14	8- 6-14	E. J. Stanley	2 50
103383	6- 9-14	8- 6-14	James J. Fay	7 99
103386	6-16-14	8- 6-14	John F. Ferguson.....	36 41
103388	6- 4-14	8- 6-14	F. A. Flynn.....	2 00
103380	4- 7-14	8- 6-14	Kaplan & Weinberg.....	24 00
103176	6-19-14	8- 5-14	A. Pearson's Sons.....	41 50
103175	5- 9-14	8- 5-14	American Seating Company.....	300 00
103171	5-15-14	8- 5-14	The General Fire Proofing Co.....	257 50
103434	4-14-14	8- 6-14	John F. Ferguson.....	48 00
103435	5-25-14	8- 6-14	Max Jackel	18 00
103398	6-17-14	8- 6-14	The Garlock Packing Company.....	15 76
103394	1-16-14	8- 6-14	John J. Demarest.....	5 60
103393	4-15-14	8- 6-14	Delaney Bros.	15 41
103392	4- 7-14	8- 6-14	Wm. B. Taylor.....	23 12
103391		8- 6-14	Lignum Carpenter Works.....	35 23
103390	6-15-14	8- 6-14	Geo. Kessler	21 60
103956	6-11-14	8- 7-14	H. C. Hallenbeck.....	4 00
103957	5- 5-14. 5-11-14	8- 7-14	Favor Ruhl & Co.....	39 90
103958	6-15-14	8- 7-14	H. C. Hallenbeck.....	168 50
103948	3-16-14	8- 7-14	M. J. Tobin.....	68 27
103949	5-22-14	8- 7-14	Louis Frey & Co.....	6 00
103950	5-21-14. 5-29-14	8- 7-14	Favor Ruhl & Co.....	189 12
103951	5-28-14	8- 7-14	Heating & Ventilating Magazine.....	19 97
103952	4-28-14	8- 7-14	Louis Frey & Co.....	6 60
103953	4-29-14	8- 7-14	Favor Ruhl & Co.....	9 75
103930	5-26-14	8- 7-14	George W. Oelkers.....	24 00
103932	3-28-14	8- 7-14	Pittsburgh Plate Glass Co.....	20 80
103933	5-13-14	8- 7-14	Joseph Rosenthal	18 00
103935	5-16-14	8- 7-14	Brooklyn Window Shade Co.....	14 75
103936	5-18-14	8- 7-14	Flushing National Bank, Flushing, N. Y., Assignee of Gus Munz.....	350 00
103937	5- 6-14	8- 7-14	Morris Rosen	7 90
103947	5- 1-14	8- 7-14	Mugler's Iron Works.....	18 00
103945	4-24-14	8- 7-14	A. Pearson's Sons.....	17 90
103943	5-11-14	8- 7-14	Brooklyn Window Shade Co.....	21 00
103944	5- 5-14	8- 7-14	Chas. P. Rogers & Co.....	3 75
103954	5-28-14	8- 7-14	The United Plumbing & Contracting Co.	25 30
103954			The United Plumbing & Contracting Co.	25 30
103961	6-10-14	8- 7-14	H. C. Hallenbeck.....	96 70
103960	5- 2-14	8- 7-14	Favor Ruhl & Co.....	1 30
103959	6-11-14	8- 7-14	H. C. Hallenbeck.....	29 50
103976	5-28-14	8- 7-14	Row Peterson & Co.....	1 00
103975	5-28-14	8- 7-14	D. C. Heath & Co.....	45
103973	5-20-14	8- 7-14	Clarence S. Nathan.....	6 52
103974	5-22-14	8- 7-14	Eberhard Faber	12 00
103980	6- 2-14	7- 8-14	The Macmillan Co.....	7 20
103977	6- 3-14	8- 7-14	Scott, Foresman & Co.....	5 00
103978			Wm. H. Robertson Co.....	4 55
103979	5- 2-14	8- 7-14	Ginn & Co.....	5 40
103988			McDevitt-Wilson	14 72
103955	4-27-14	8- 7-14	Agent & Warden of Clinton Prison..	72 00
103942	5-12-14. 5-16-14	8- 7-14	Agent & Warden of Auburn Prison...	65 00
103941	4-27-14	8- 7-14	Agent & Warden of Auburn Prison...	39 00
103979			George W. Cobb, Jr.....	27 00
103969			Brooklyn Window Shade Co.....	10 50
102049	37070	8- 3-14	Wm. Knabe & Co.....	436 50
102045	38600	8- 3-14	Wells & Newton Co. of New York...	979 20
101969	37125	8- 3-14	George Steck & Co.....	585 00
102047	38073	8- 3-14	J. M. Knopp.....	193 00
102064	39898	8- 3-14	Cavanagh Bros. & Co.....	2,194 45
102053	39670	8- 3-14	James I. Newman	720 00
103987	5-13-14	7- 8-14	Webb Publishing Co.....	48
103986	5-12-14	8- 7-14	Charles Scribner's Sons.....	2 00
103985	5-18-14	8- 7-14	M. J. Tobin	1 96
103984	5-13-14	8- 7-14	Allyn & Bacon	1 00
103405	3-11-14. 3-31-14	8- 6-14	Welsbach Gas Lamp Co.....	249 90
103399	6-22-14	8- 6-14	Frank J. Eisinger.....	4 80
103436	6-12-14	8- 6-14	Thomas McKeown, Inc.....	11 00
103401	5-20-14	8- 6-14	J. L. Fries	28 75
103402	6- 2-14	8- 6-14	John Gerrard, Jr.....	35 10
103403	6- 4-14	8- 6-14	Anton Orgelfinger	12 87
103404	5-18-14	8- 6-14	John A. O'Brien	2 91
102939	5-29-14	8- 7-14	Finnan & Lee	118 00
102941	6- 9-14	8- 5-14	H. S. Doncourt.....	43 00
102943	6- 2-14	8- 5-14	James Murnane	59 00
102944	5-28-14	8- 5-14	Joseph J. Cannon	24 00
102945	5-27-14	8- 5-14	Frank Kiebitz	48 00
102947	5-26-14	8- 5-14	Rudolph Hediger	42 00
102948	5-12-14	8- 5-14	Otto Woehrle	155 00
104020	5- 3-14	8- 6-14	David Gritz, Assignee of J. Cohen....	15 00
104027	5-28-14. 6-18-14	8- 6-14	L. E. Atherton	61 90
104026	6-10-14	8- 6-14	H. Gordon	39 95
104025	6- 5-14	8- 6-14	L. E. Atherton	18 70
104024	6-15-14	8- 6-14	Lord & Taylor	18 29
104023	6- 3-14	8- 6-14	Reid's Express	10 50
104022	6-13-14	8- 6-14	J. Friedman	28 00
104021	5-20-14	8- 6-14	J. Weiss	17 00
104015	6- 4-14	8- 6-14	Anton Orgelfinger	20 50
104012	3-19-14	8- 6-14	Standard Scientific Co.....	93
104008	1- 3-14	8- 6-14	W. F. Irish Electric Co.....	1 20
104007	5-28-14	8- 6-14	Montgomery & Co.....	35
104006	5-26-14	8- 6-14	Weston Electrical Instrument Co.....	68 35
104005	6- 1-14	8- 6-14	Tower Mfg. & Novelty Co.....	2 00
			Department of Finance.	
101570	6-24-14	8- 1-14	Munson Supply Co.....	$3 15
104526		8- 7-14	Catherine Kelly	2 19
104525		8- 7-14	Franklin C. Norton	31 65
104524		8- 7-14	Title Guarantee and Trust Co.	13 80
104523		8- 7-14	Clarke & Frost	2 45
104522		8- 7-14	Esther Goldberg	71 05
104527		8- 7-14	Estate of Charles D. Nott	21 75
104528		8- 7-14	Margaret S. Powers	2 19
104529		8- 7-14	Breitenbach & Ruppenstein	8 17
104329		8- 7-14	M. E. Brennan, Clerk	12 00

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
104542		8- 7-14	Eliza Howarth, as administratrix of the goods, chattels and credits of Joseph Kennelly, deceased, or Edward F. Moran, attorney	149 00
104531		8- 7-14	Breitenbach & Ruppenstein	12 26
104530		8- 7-14	Breitenbach & Ruppenstein	172 73
105098	5- 8-14	8- 8-14	David Porter	25 00
105104	8- 2-14	8- 8-14	Hotel Belmont	6 15
105102	7- 1-14	8- 8-14	Elliott Fisher Company	6 50
105101	7-13-14	8- 8-14	Ajax Trucking Co.	3 75
105100	7-13-14	8- 8-14	Ajax Trucking Co.	155 30
104236		8- 7-14	Mrs. Rebecca Greacen	450 00
104514		8- 7-14	The Union Savings Bank of Westchester County, Mamaroneck, N. Y.	1,000 00
104513		8- 7-14	Comptroller of the city of Albany, N. Y., in trust for the Washington Park Sinking Fund of the city of Albany, N. Y.	1,000 00
104515		8- 7-14	Wm. A. Prendergast, as Comptroller, and Henry Bruere, as Chamberlain	2,000 00
104330			H. C. W. Melick, Acting Chief, Division of Law and Adjustment	90 01
102787		8- 4-14	Land and Lien Co., assignee	24 65
102788		8- 4-14	Land and Lien Co., assignee	380 26
102786		8- 4-14	Land and Lien Co., assignee	130 29
104283			Five Points House of Industry	3,183 36
104279			Brooklyn Industrial School Association and Home for Destitute Children	2,620 00
104280			Colored Orphan Asylum and Association for the Benefit of Colored Children in the City of New York	2,158 50
104281			Children's Aid Society	815 00
104282			Catholic Home Bureau	1,042 50
104284			Good Counsel Training School for Young Girls	1,435 40
104285			Hebrew Orphan Asylum	15,427 50
104286			Hope Farm	1,881 94
104287			House of St. Giles, the Cripple	318 86
104288			Mission of the Immaculate Virgin for the Protection of Homeless and Destitute Children	16,988 33
104289			Norwegian Lutheran Deaconesses' Home and Hospital	724 85
104290			Peabody Home for Aged and Indigent Women	272 00
104291			Sacred Heart Orphan Asylum	659 78
104292			St. Joseph's Asylum	7,332 92
104294			The New York Society for the Relief of the Ruptured and Crippled	225 17
104295			The Lakeview Home	193 65
104296			Catholic Guardian Society	125 00
104297			St. Joseph's Institute for the Improved Instruction of Deaf Mutes	6,624 63
104293			St. Agnes' Hospital for Crippled and Atypical Children	36 00
			Fire Department.	
102532	7-11-14	8- 3-14	H. Schulz	$71 25
103487		8- 6-14	Louis A. Hornum	25 00
103488		8- 6-14	C. H. Caldwell	25 00
103489		8- 6-14	Nathan Langer	25 00
103490			Edgar A. Josselyn	25 00
103486		8- 6-14	Herman W. DeMalignon, assistant and Acting Fire Marshal	117 75
103484		8- 6-14	Charles S. Demarest, Chief	3 22
103485			Herman W. de Malignon, Asst. and Acting Fire Marshal	161 05
98896		38007	R. and L. Company.....Final	8,980 00
100137		33590 7-29-14	Morgan and Trainer, Assignee of Jay H. Morgan	240 70
			Department of Health.	
103731	6-25-14	8- 6-14	Goodyear's India Rubber Selling Co.	$212 50
101713	6- 1-14	8- 6-14	Edward Dodd	3 71
103712	7- 8-14	8- 6-14	The International Press	2 50
102383		8- 3-14	Yawman & Erbe Mfg. Co	320 00
103743	7-11-14	8- 6-14	Samuel Lewis	15 00
103745	4-30-14	8- 6-14	U. S. Frame & Picture Co	15 00
103746	7- 1-14. 7- 3-14	8- 6-14	Crown Stamp Works	80
103747	6-24-14	8- 6-14	The Fairbanks Company	24 50
103736	7-24-14	8- 6-14	Agent and Warden of Auburn Prison	7 30
103724	7-15-14	8- 6-14	De Grauw Aymar & Company	2 50
103722			H. J. Heinz Company	30 85
103721	5-31-14	8- 6-14	Municipal Garage	58 74
103720	5-31-14	8- 6-14	Municipal Garage	79 50
103723	6-25-14	8- 6-14	Barnhart Brothers & Spindler	58
103714	7-14-14	8- 6-14	Frank J. Lennon Company	2 50
103716	6-13-14	8- 6-14	Benj. E. Weeks	6 50
103718	6-16-14	8- 6-14	E. Kessling	3 30
103719	5-31-14	8- 6-14	Municipal Garage	48 19
			Commissioner of Jurors, New York County.	
103024	7-31-14	8- 4-14	M. B. Brown Printing & Binding Co.	$155 42
102567	7-30-14	8- 4-14	Berkshire Springs Company	4 20
102566	7-31-14	8- 4-14	Knickerbocker Ice Company	3 12
102568	8- 1-14	8- 4-14	R. E. Doyle	4 00
102569	8- 1-14	8- 4-14	A. Schneider	2 34
102570	7-28-14	8- 4-14	T. H. Hogeman, Inc	14 50
			Law Department.	
104340		8- 7-14	Frank L. Polk, Corporation Counsel	$500 00
103181	7- 9-14. 7-24-14	8- 5-14	Cobb Macey Dohme Company, Inc	139 20
103183	7-28-14	8- 5-14	Burroughs Adding Machine Co	1 50
103182	5- 1-14	8- 5-14	The Peerless Towel Supply Co	8 00
103180	6-30-14	8- 5-14	Clynta Water Co	4 80
103184	8-29-14	8- 5-14	The Electrical Repair Co., Inc	5 00
103189	7-20-14	8- 5-14	Joseph Cunningham	30 00
102869			Interborough Stenographic Co	726 15
102870	7-15-14	8- 4-14	Queensboro Reporting Co	464 45
103186	7-24-14	8- 5-14	John J. Curtin	73 50
103185	8- 1-14	8- 5-14	Johanna Gallagher	39 00
			Public Administrator, Kings County.	
102582	11-30-13	8- 4-14	New York Telephone Company	$35 66
			Police Department.	
103752	7- 1-14	8- 7-14	Gimbel Brothers	$462 69
103753	7- 1-14	8- 7-14	Tower Brothers Stationery Co	654 69
103754	7-21-14	8- 7-14	Harmony Supply Co	112 20
103755	7-18-14	8- 7-14	Baker Voorhis & Co	6 30
103756	7-17-14	8- 7-14	Barnhart Bros. & Spindler	11 20
103757	6-25-14	8- 7-14	Tower Bros. Stationery Co	1 80
103759	6-30-14	8- 7-14	F. A. Baker & Co	600 00
103760	7-14-14	8- 7-14	Thomas Pump Works	14 40
103761	7-13-14	8- 7-14	William Schwenn	15 00
103762	7-15-14	8- 7-14	R. and L. Co	12 00

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
			Department of Parks, Borough of The Bronx.	
103364	7-10-14	8- 6-14	J. W. Fiske Iron Works	430 00
103323			Tremont Hardware Co., Inc	10 65
103324	7- 8-14	8- 6-14	A. G. Spalding & Bros	4 00
103328	6-15-14. 7- 8-14	8- 6-14	Douglas Bros.	10 00
103329	6- 9-14. 7-14-14	8- 6-14	Vought & Williams	12 64
103337	7- 8-14	8- 6-14	J. S. Woodhouse Co	17 90
103331	7-10-14	8- 6-14	Headley Good Roads Co	67 73
103332	7- 9-14	8- 6-14	The White Co	1 50
103335	7- 2-14	8- 6-14	W. A. Johnson	2 00
103336	7-15-14	8- 6-14	G. B. Raymond & Co	48 00
103338	4-25-14	8- 6-14	Julian Scholl Co	18 75
103344	7-10-14	8- 6-14	Jack C. Smith	10 00
103345	7-13-14	8- 6-14	The New York Association for the Blind	10 00
103346	6-30-14	8- 6-14	M. J. Cavanagh	23 00
103318	7-16-14	8- 6-14	New York Sporting Goods Co	16 10
103320	7- 2-14	8- 6-14	Alden S. Swan & Co	24 00
			Department of Parks, Boroughs of Manhattan and Richmond.	
103690		8- 6-14	Dr. H. Amling	$19 00
103350	7- 8-14	8- 6-14	Henry Baum	170 00
103351			J. T. Owens' Military Band and Orchestra	170 00
103352	7- 6-14	8- 6-14	Tom Clark's Band and Orchestra	220 00
103353	7- 6-14	8- 6-14	Chas. Dammeyer, Director, Melrose Band and Orchestra	80 00
103355	7- 6-14	8- 6-14	Krieger's Concert Band	85 00
103357	7- 6-14	8- 6-14	Frank Martin, Conductor, Fourteenth Infantry Band	165 00
103358	7-20-14	8- 6-14	Tom Clark's Band and Orchestra	110 00
103360	7-20-14	8- 6-14	Frank Martin, Conductor, Fourteenth Infantry Band	85 00
103362	6-12-14	8- 6-14	Krieger's Concert Band	170 00
103363	7-18-14	8- 6-14	Chas. Dammeyer, Director, Melrose Band and Orchestra	170 00
103361	7-20-14	8- 6-14	Wm. E. Keating, Keating's Soloists Director	110 00
104521		8- 7-14	Leo Umanoff, Chief Clerk	425 52
101333		36795 8- 1-14	Evergreen Construction Co.....Final	5,650 42
103368	4-14-14	8- 6-14	A. P. Dienst Co., Inc	57 57
103349	7- 7-14	8- 6-14	Underwood Typewriter Co., Inc	6 75
103347			Chas. H. Nichols	17 50
103330	6-26-14	8- 6-14	The United States Asphalt Refining Co.	320 00
103348	6-30-14	8- 6-14	Patrick E. Kelly	20 50
103369	6-11-14	8- 6-14	Watson Contracting Co	29 25
103370	6-29-14	8- 6-14	Watson Contracting Co	55 00
103367	4-14-14	8- 6-14	Yawman & Erbe Mfg. Co	94 00
103365	6-30-14	8- 6-14	Colwell Lead Company	146 08
103317		8- 6-14	The Peerless Boulevard Garage	13 99
103333	6-13-14. 7- 2-14	8- 6-14	J. S. Woodhouse Co	3 58
			President of the Borough of Manhattan.	
101808		24116	The Sicilian Asphalt Paving Co	$115 07
101809		24117 8- 3-14	The Sicilian Asphalt Paving Co	154 78
101807		31586 8- 3-14	Harlem Contracting Co	86 21
103505	7-21-14	8- 6-14	Republic Construction Co	30 84
103506	7-11-14	8- 6-14	Frederick Starr Contracting Co	628 30
103503	6- 6-14	8- 6-14	W. J. Fitzgerald	11 90
103504	6-29-14	8- 6-14	Harlem Contracting Co	22 99
102996	7-18-14	8- 5-14	Tower Mfg. & Novelty Co	1 95
102999	6-23-14	8- 5-14	The Fairbanks Co	14 89
103492			Henry H. Lloyd, Auditor	1,063 53
101805	7-23-14	22899 8- 3-14	The Asphalt Construction Co.	198 12
101806		34263 8- 3-14	W. J. Fitzgerald .....Final	810 94
103495	7-15-14	8- 5-14	Simon Russek	196 80
103502	7-21-14	8- 6-14	W. J. Fitzgerald	950 48
103496	5-27-14. 7-13-14	8- 6-14	The Sicilian Asphalt Paving Co.	763 42
103497	5-29-14. 6-30-14	8- 6-14	United States Wood Preserving Co	466 68
103499	7-11-14	8- 6-14	The Barber Asphalt Paving Company.	212 80
103498	7-20-14	8- 6-14	The Asphalt Construction Company	27 00
101799	7- 1-14	38353 8- 3-14	Broadway Window Cleaning Co., assignee of Daniel Fraad	492 61
101801		39339 8- 3-14	Charles H. Higgins	86 20
103494	7-21-14	8- 6-14	Republic Construction Co.	16 72
103493	7-15-14	8- 6-14	The Barber Asphalt Paving Co.	6 00
103500	7- 3-14. 7- 8-14	8- 6-14	Empire City Iron Works	36 98
103501	7- 5-14	8- 6-14	James B. Clow & Sons	3 25
102997	7-21-14	8- 5-14	Lee Tire and Rubber Co.	34 50
			President of the Borough of The Bronx.	
103845		39171 8- 7-14	Spadaro Contracting Co., Inc.	$3,383 85
101220	7-29-14	36210 7-31-14	The Barber Asphalt Paving Co.	1,569 50
100099		34400	S. M. DePasquale .....Final	12,015 83
			President of the Borough of Brooklyn.	
104231		8- 7-14	R. E. Waters, D.V.S.	$38 00
104230		8- 7-14	R. E. Waters, D.V.S.	17 00
104706		8- 7-14	Thomas F. Moran, General Bookkeeper	11 35
103250	7-18-14	8- 5-14	Arthur C. Jacobson & Sons	89 60
103240			Neal & Scott Co.	5 25
103239	6-30-14	8- 5-14	Municipal Garage	26 02
103238	6-30-14	8- 5-14	Municipal Garage	17 60
102739	7-24-14	8- 4-14	T. C. Moore & Co.	3 80
102734	7-29-14	8- 4-14	The J. M. Palmer Company, Inc.	79 05
102735	7-21-14. 7-22-14	8- 4-14	Vacuum Oil Company	81 80
102740	6-19-14. 7-24-14	8- 4-14	Detroit Cadillac Motor Car Company.	2 55
103236	7-31-14	8- 5-14	The Columbia Stables; J. W. Strohsahl & Son	55 00
			President of the Borough of Queens.	
102423	6-23-14	8- 3-14	Crescent Garage	$76 22
101288	6-23-14	7-31-14	The Good Roads Machinery Company, Inc.	687 50
101285	7- 7-14. 7-16-14	7-31-14	The Long Island Hardware Company	25 31
101012	1- 9-14	7-31-14	Marcus Miller	28 05
101299	7-24-14	7-31-14	The Barber Asphalt Paving Co.	108 30
			President of the Borough of Richmond.	
103666	5-12-14	8- 6-14	E. G. Soltmann	$37 13
103668	6-30-14	8- 6-14	William S. Van Clief	10 60
103669	6-30-14	8- 6-14	Frank McWilliams, Inc.	345 62
103672	6-30-14	8- 6-14	The Standard Electric Time Co.	37 50
103673	7- 1-14	8- 6-14	W. H. Johnson	60 00
103675	7- 7-14	8- 6-14	Edward Wisely & Son	30 00
103676	6-30-14	8- 6-14	James Thompson & Sons	42 39
103678			Flint & Chester, Inc.	60 50
103679	6-25-14	8- 6-14	Staten Island Supply Co.	21 50
103683	6-22-14	8- 6-14	Crouch & Fitzgerald	8 00
103680	5-29-14	8- 6-14	Staten Island Shipbuilding Company	22 03
103681	5-27-14	8- 6-14	The Destructor Company	35 34
103682	6-12-14	8- 6-14	W. B. McVicker Company	53 01
			Public Service Commission.	
103126	6-27-14	8-14-14	The Half Tone Press Company	$59 40
103135	5-26-14. 7-11-14	8- 6-14	The J. W. Pratt Co.	221 50
103089			C. S. Busse	471 31
103108	2-25-14	8- 6-14	Ferdinand Kuster	17 50
103125	6- 4-14	8- 6-14	Zincograph Co.	38 00

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
103127	6- 9-14. 7-15-14	8- 6-14	Baron Printing Co.	212 40
103128	4-30-14. 7-15-14	8- 6-14	The Brooklyn Daily Eagle	25 50
103131	6-29-14. 7-20-14	8- 6-14	I. Glick	52 00
103114	2-25-14. 6-11-14	8- 6-14	Stillman Appellate Printing Co.	88 25
103138	5-26-14. 7- 6-14	8- 6-14	William Bratter & Co.	55 75
103139	7- 7-14. 7-20-14	8- 6-14	Edward Carroll, Jr.	99 57
103134	5-29-14. 7-13-14	8- 6-14	Clarence S. Nathan	113 56
102814			J. B. Lyon Co.	145 00
102830	7- 7-14	8- 6-14	Royal Law Printing Co., Inc.	66 60
102848	4- 8-14. 6-12-14	8- 6-14	M. B. Brown Printing & Binding Co.	777 44
102839			J. J. Little & Ives Co.	150 60
102828			Riehle Bros. Testing Machine Co.	90 00
103075	6-23-14. 7-24-14	8- 5-14	United States Tire Co.	212 02
103092	7-20-14	8- 5-14	C. W. Jean Co.	20 00
102842	5-15-14	8- 4-14	J. & H. Berge	45 65
102843	7- 7-14. 7-10-14	8- 4-14	Bethlehem Foundry and Machine Co.	200 00
102845	5-29-14	8- 4-14	Bishop, McCormick & Bishop, Inc.	201 43
102819	5-22-14	8- 4-14	Mittag & Volgar, Inc.	60 00
102820	1-28-14. 6- 5-14	8- 4-14	John C. Moore Corporation	45 50
102823	4-30-14. 6-16-14	8- 4-14	Patterson Bros.	98 74
103107	7-10-14	8- 5-14	Mittag & Volger, Inc.	324 00
103106	5-27-14	8- 5-14	The Locomobile Co. of America	37 00
103105	4-20-14. 7-16-14	8- 5-14	Keuffel & Esser Co.	107 12
103074	7- 1-14	8- 5-14	Parry Auto Sales Co.	101 06
103071	7- 1-14. 7-23-14	8- 5-14	C. W. Jean Co.	25 50
103067	6- 2-14	8- 5-14	Firestone Tire and Rubber Co.	69 99
103066	7-21-14	8- 5-14	Geo. Damon & Sons	69 72
103065	6-24-14	8- 5-14	The Goodyear Rubber Tire Co.	32 10
103062	5-29-14. 7- 8-14	8- 5-14	New York Stencil Works	66 15
102854	7- 1-14	8- 4-14	Doane & Edelmann	55 90
103098	7-17-14	8- 5-14	Tower Bros. Stationery Co.	214 93
92741 to 92746, inc.		25661 25662	William Bradley	650,000 00
103119	3-10-14	8- 5-14	West Publishing Co.	33 75
103094	6- 1-14	8- 5-14	New York Blue Print Paper Co.	1,478 43
102865	6-24-14	8- 6-14	David L. Herman	268 93
			Department of Public Charities.	
103687		8- 6-14	William J. Doherty, 2nd Dep. Com.	$56 58
104244		8- 7-14	Charles L. Allers, M. D.	40 00
104245		8- 7-14	Jefferson Scales, M. D.	40 00
104243		8- 7-14	James L. Devlin, M. D.	10 00
103688			John H. Timmerman, City Paymaster.	1,674 00
99550	35935		A. Pearson's Sons ....Final	275 00
99554	6-25-12 38360	7-29-14	John Bellman	193 72
97396	6-22-14	7-24-14	Crandall Packing Co.	35 31
			Register, Kings County.	
104250	8- 6-14	8- 7-14	W. C. Wilson	$3 30
			Sheriff, Bronx County.	
104307	7-29-14	8- 7-14	Paul Scherbner Iron Works	$8 00
104306	7-31-14	8- 7-14	Fred M. Schildwachter	12 72
104305	8- 1-14	8- 7-14	Gramatan Spring Water Co.	8 10
104303			John H. Droge	6 20
104304	7-31-14	8- 7-14	Sheffield Farms-Slawson-Decker Co.	2 79
104301		8- 7-14	Timothy J. Duane	5 71
104302		8- 7-14	John M. Dennerlein	20 76
104300		8- 7-14	Edward J. Martin	8 60
104310		8- 7-14	John Minoque	1 56
104247	8- 1-14	8- 7-14	Jacob Kuhlmann	169 61
104248	7-31-14	8- 7-14	Shults Bakery	73 13
104309		8- 7-14	Harry T. Hamilton	37
104308	7-28-14	8- 7-14	Agent and Warden, Sing Sing Prison.	29
			Sheriff, Kings County.	
102576	8- 1-14	8- 4-14	John Mullins & Sons	$505 00
103664		8- 6-14	Lewis M. Swasey, Sheriff	120 38
			Sheriff, Richmond County.	
104229		8- 7-14	Charles L. Allers, M.D.	$82 00
104246	8- 3-14	8- 7-14	Joseph F. O'Grady, Sheriff	10 00
			Department of Street Cleaning.	
105008			The Relief and Pension Fund of the Department of Street Cleaning; J. T. Fetherston, Commissioner, as treasurer and trustee	$1,047 14
105010			The Relief and Pension Fund of the Department of Street Cleaning; J. T. Fetherston, Commissioner, as treasurer and trustee	268 34
105009			The Relief and Pension Fund of the Department of Street Cleaning; J. T. Fetherston, Commissioner, as treasurer and trustee	1,833 74
102206		8- 5-14	John J. O'Brien, Chief Clerk	246 70
			Board of Water Supply.	
103865	26862	8- 7-14	Coldwell-Wilcox Co.	$1,422 75
105032			C. C. Heermance	10 00
105031		8- 8-14	Charles L. Davis	40 00
105030		8- 8-14	William H. Grogan	242 50
105029		8- 8-14	William H. Grogan	251 96
105028		8- 8-14	State Law Reporters, Inc.	229 53
105027		8- 8-14	Edward J. Cullen	98 85
105026		8- 8-14	Frederick S. Benedict	125 00
			Department of Water Supply, Gas and Electricity.	
102265	7-21-14	8- 3-14	Firestone Tire and Rubber Co. of New York	$30 48
102286	7-22-14	8- 3-14	Paino Bros.	817 18
102283	7-15-14	8- 3-14	Craven's Steam Boiler Works	323 50
103574	6-30-14	8- 6-14	Edward J. Murphy	5 98
103573	6-12-14	8- 6-14	Louis Karmiol	6 21
103572	7- 1-14	8- 6-14	William R. Muller	4 33
104705		8- 7-14	James T. Snedeker	70
104702		8- 7-14	Louis E. Stander, Auditor	7 55
104704		8- 7-14	Chas. H. Cooke, Bureau of Water Register	90
104701		8- 7-14	Louis E. Stander, Expert Accountant	72 00
104703		8- 7-14	C. H. Cooke, Bureau of Water Register	6 90
104771		8- 7-14	E. A. Wood	8 60
104770		8- 7-14	W. F. Wood	125 00
104769		8- 7-14	Michael J. Shanahan	87 50
101243	7- 1-14	7-31-14	The Esterline Company	206 88
103689		8- 6-14	Louis E. Stander, Expert Accountant	57 75
101235	7- 1-14	7-31-14	Rudolph Jurgensen	34 09
102282	5-29-14	8-23-14	Shadbolt Manufacturing Company	76 50
103568	7-28-14	8- 6-14	Firestone Tire & Rubber Co. of New York	4 00
103571	7- 1-14	8- 6-14	John Buchanan	9 84
103575	6- 1-14	8- 6-14	Edward Kelly	20 85
103576	12- 1-13	8- 6-14	Leo Collins	6 18
103577	3- 7-14	8- 6-14	Weber & Hamilton	5 64
103578			Edward Kelly	4 95
103580			N. Y. Patent Steam Carpet Cleaning and Renovating Co.	17 50
103570	4-15-14	8- 6-14	Edward Kelly	7 65
103581	6-30-14	8- 6-14	Patterson Brothers	47 33
103582	7-21-14	8- 6-14	The Barber Asphalt Paving Company.	8 50
103549	7-23-14	8- 6-14	The Barber Asphalt Paving Company.	14 70
103570	7-31-14	8- 6-14	Mrs. Elmira Reed	2 43
103569	7-27-14	8- 6-14	Sterling Top and Equipment Co., Inc.	2 50
103507	7-30-14	8- 6-14	Katonah Water Company	10 00
103559	7-31-14	8- 6-14	Welsbach Gas Lamp Co.	108 75
103560	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	21 90
103561	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	8 40
103562	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	20 25
103563	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	55 50
103564	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	17 40
103565	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	17 70
103566	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	18 30
103557	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	148 05
103558	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	233 25
103553			Welsbach Gas Lamp Co.	157 50
103550	6-30-14	7- 6-14	George Dowdall	16 65
103552	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	181 80
103546	7- 7-14	8- 6-14	New York Sporting Goods Co.	7 13
103554	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	139 50
103555	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	523 50
103556	3-31-14	8- 6-14	Welsbach Gas Lamp Co.	194 40
101242	7- 7-14	7-31-14	J. H. Adamson	463 63
101227	5- 1-14	7-31-14	Standard Plumbing Supply Co.	40 00
100967	7- 7-14	7-31-14	The B. F. Goodrich Co.	19 88
100989	7-10-14	7-31-14	The B. F. Goodrich Co.	33 98

VOUCHERS RECEIVED IN DEPARTMENT OF FINANCE, MONDAY, AUGUST 10, 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.

If the vouchers are found to be correct and properly payable to the respective claimants it will be my endeavor to have the warrants therefor made ready for payment within the next seven days.

If any claimant within the time stated does not receive his warrant or a written notice in relation thereto then written or verbal inquiry may be made at this office, using the Department of Finance voucher number as a ready means of reference.

WILLIAM A. PRENDERGAST, Comptroller.

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
		Armory Board.	
105697	37011	New England Casualty Co., surety for R. J. McKinnon	$2,272 50
105698	37269	The Marble Arch Co. & Conners Bros. Co.	14,893 20
105699	31946	Pilcher & Tachau	413 70
		Commissioners of Accounts.	
105464	7- 8-14	Consolidated Auto Supply Co.	$50 00
105465	7-29-14	Keuffel & Esser Co.	1 04
105466	7- 1-14	Castleton Motor Car Co.	19 10
105467	7- 1-14	Lithopoint Co.	7 57
105468	7-29-14	Elbe File & Binder Co.	6 00
105469	7-31-14	A. A. Benedict	8 00
105470	39266	N. Y. Tel. Co.	62 57
		Bellevue and Allied Hospitals.	
105954	40135	Strauss Bros.	$3,041 56
105955	38321	Francis H. Leggett & Co.	425 75
105956	38320	Lewis De Groff & Son	156 90
105957	38279	J. F. Gylsen	281 24
105958	38144	Armour & Co.	550 54
105959	38174	Robert P. Lawless	1,180 62
105960	38712	John Bellmann	54 00
105961	38175	Pattison & Bowns	3,259 11
105962	38172	Gavin Rowe	849 19
105963	38284	Deane Plaster Co.	600 00
105964	38374	Ralph Harris & Co.	49 59
105965	38374	G. Cramer Dry Plate Co.	710 21
105966	38711	Randall, Leopold & Co.	706 24
105967	38286	Granite City Soap Co.	539 61
		City Magistrates' Courts, First Division.	
105670		Philip Bloch	$10 00
		The Chamberlain.	
105856		Dow, Jones & Co.	$12 00
105857	7-31-14	S. Cirigliano	1 05
105858		Abraham L. Johnson	3 75
105859	8- 1-14	Fallon Law Book Co.	75
105860	7-28-14	Remington Typewriter Co.	80
105861		John F. Murray	4 50
105862		Henry Romeike	5 00
		District Attorney, Queens County.	
105023		Alonzo Carmen	$14 00
105024		James Robinson	7 00
105025		Jos. J. Delaney	10 50
		Board of Excise, Richmond County.	
105734	8- 1-14	Michael W. Murphy, Special Deputy Commissioner of Excise, Borough of Richmond	17 30
		Department of Education.	
106050	36369	Christopher Nally, Assignee N. Y. Produce Exchange Bank	$2,671 20
106051	38078	Frymier & Hanna Co.	7,036 42
106052	37516	National Regulator Co.	1,554 00
106053	36758	National Regulator Co.	375 00
106054	35488	James McArthur & Co.	7,407 85
106055	39813	Goldberg & Perlmutter	630 00
106056	40052	Duncan Stewart	585 00
106057	39780	W. H. Quinn	450 00
106058	39673	James I. Newman	450 00
106059	39630	The Consolidated Contracting Co., Inc.	450 00
106060	39809	Solomon Lashinsky	450 00
106061	40066	Edward Theriault	450 00
106062	39916	Edward Theriault	720 00
106063	39452	W. H. Quinn	495 00
106088	38513	Hammacher, Schlemmer & Co.	518 10
106089	38769	Greenhut-Siegel Cooper Co.	6 57
106090	38515	The New Home Sewing Machine Co.	18 50
106091	38516	A. G. Spalding & Bros.	3 25
106092	38520	Geo. T. Montgomery	23 42
106093	38454	E. Steiger & Co.	34 65
106094	38515	The New Home Sewing Machine Co.	111 00
106095	38522	H. T. Dakin	3 44
106096	38431	Gerry & Murray	50 00
106097	38511	Heywood Brothers & Wakefield Co.	16 36
106098	38520	Geo. T. Montgomery	5 28
106099	38518	Scientific Equipt. Co.	11 00
106100	38520	Geo. T. Montgomery	14 62
106101	38769	Greenhut-Siegel Cooper Co.	89 18
106102	38518	Scientific Equipment Co.	42
106103	38453	M. J. Tobin	5 45
106104	38513	Hammacher, Schlemmer & Co.	13 69
106105	38453	M. J. Tobin	6 32
106106	38978	Knickerbocker Ice Co.	22 21
106107	38458	A. P. W. Paper Co.	16 25
106108	38510	Jas. S. Barron & Co.	43 00
106109	947	O. T. Louis Co.	1 41
106110	779	M. J. Tobin	5 40
106111	779	M. J. Tobin	3 60
106112	[illegible]	Gerry & Murray	71 76
106113	951	The Kny Scheerer Co.	2 25

Finance Voucher No.	Invoice or Contract Number.	Name of Payee.	Amount.
106114	770	A. S. Landsberg	50 82
106115	947	O. T. Louis Co.	29 10
106116	951	The Kny Scheerer Co.	1 68
106117	951	The Kny Scheerer Co.	3 64
106118	779	M. J. Tobin	10 80
106119	947	O. T. Louis & Co.	7 50
106120	821	Bloomingdale Bros.	99 65
106121	779	M. J. Tobin	72
106122	951	The Kny Scheerer Co.	9 94
106123	951	The Kny Scheerer Co.	6 20
106124	643	Chapin Vossler Co.	29 00
106064	39675	Ernest W. Newman	450 00
106065	39677	John Neals Sons	450 00
106066	39666	E. Rutzler & Co.	648 81
106067	40065	Edward Theriault	540 00
106068	39668	The Bank of Flatbush, Assignee Edward Theriault	450 00
106069	38437	Syndicate Trading Co.	4 63
106070	137	Houghton, Mifflin Co.	13 24
106071	664	Houghton, Mifflin Co.	7 20
106072	790	The Century Co.	4 00
106073	38868	The Century Co.	40
106074	38485	Frederick Pearce Co.	18 00
106075	39348	Frederick Pearce Co.	48 19
106076	655	D. Appleton & Co.	37 92
106077	38842	D. Appleton & Co.	16 00
106078	167	D. Appleton & Co.	8 70
106079	38839	American Book Co.	181 84
106080	642	American Book Co.	4 88
106081	113	American Book Co.	76 46
106082	158	D. C. Heath & Co.	3 06
106083	663	D. C. Heath & Co.	97 20
106084	38863	Hinds, Noble & Eldredge	130 00
106085	119	Hinds, Noble & Eldredge	4 80
106086	38438	Milton Bradley Co.	70 00
106087	386	Milton Bradley Co.	4 00
106034	38444	F. W. Devoe & C. T. Raynolds	7 15
106035	38522	H. T. Dakin	26 44
106036	38442	F. S. Banks & Co.	29 86
106037	399	American Book Co.	64 40
106038	38449	Bloomingdale Bros.	102 03
106039	128	M. Witmark & Sons	1 20
106040	38453	M. J. Tobin	683 88
106041	38485	Frederick Pearce Co.	16 50
106042	38453	M. J. Tobin	21 71
106043	38516	A. G. Spalding & Bros.	37 50
106044	38454	E. Steiger & Co.	16 90
106045	38454	E. Steiger & Co.	4 23
106046	38520	Geo. T. Montgomery	2 31
106047	39345	L. E. Knott Apparatus Co.	1 45
106048	38431	Gerry-Murray	60 60
106049	38438	Milton Bradley Co.	26 40
105304	38970	Francis H. Leggett & Co.	143 40
105305	38972	Armour & Co.	71 88
105306	38974	John Bellmann	68 72
105307	38970	Francis H. Leggett & Co.	43 97
105308	38970	Francis H. Leggett & Co.	32 47
105309	38966	Jos. M. Flaherty	39 80
105310	38966	Jos. M. Flaherty	17 40
105311	36889	Burns Bros.	3,475 02
105312	39138	Geo. D. Harris & Co. Inc.	2,256 19
105313	38433	Graham Paper Co.	6 00
105352	6- 5-14	Edward J. Renehan	47 00
105353	5-18-14	Daniel J. Rice	121 00
105354	6- 1-14	Racich Asbestos Mfg. Co.	49 00
105355	5-28-14	J. D. Duffy	57 00
105356	5- 5-14	Isaac Brenner	90 00
105357	5-27-14	Hall & Boyle	90 00
105358	5-23-14	John H. Goetschius	11 00
105359	5-25-14	Wm. J. Olvany	68 00
105360	4-29-14	Jos. F. Egan	118 00
105361	4-29-14	Walter D. Saunders	134 00
105362	5-12-14	Michael Fogarty, Inc.	170 00
105363	3-31-14	Welsbach Gas Lamp Co.	215 60
105364	4-30-14	H. Pfund	14 75
105365	5-20-14	John J. Lutz	170 00
105366	3-31-14	Welsbach Gas Lamp Co.	60
105367	3-24-14	H. Shipman	35 00
105368	5-29-14	West End Gas Fixture Co.	38 00
105369	5-25-14	Simon Russek, assignee R. Solomon & Son, Inc.	602 00
105370	6-18-14	L. R. Littlefield	75
105371	6- 1-14	American Express Co.	27 94
105372	6-15-14	Adams Express Co.	9 54
105415	36889	Burns Bros.	6,241 37
105416	36511	William J. Field, assignee of Gavin Rowe	1,363 60
105417	36510	C. H. Reynolds & Son.	234 02
105418	36508	S. Tuttle's Son & Co.	6,000 04
105419	672	The Baker & Taylor Co.	48
105420	781	The Baker & Taylor Co.	1 50
105421	38622	M. J. Tobin	2 79
105422	38618	The Brooklyn Daily Eagle	8 70
105423	145	The A. N. Palmer Co.	15 00
105424	38844	Ginn & Co.	21 20
105425	38840	Lyons & Carnahan	15
105426	108	Little, Brown Co.	1 20
105427	153	The Macmillan Co.	52 60
105428	157	Peckham, Little & Co.	3 00
105429	125	Charles E. Merrill Co.	80
105430	38864	Charles E. Merrill Co.	5 76
105431	140	Funk & Wagnalls Co.	15
105432	653	Ginn & Co.	3 20
105433	38799	The Universal Co.	238 75
105434	816	Ginn & Co.	1 60
105435	193	Atkinson, Mentzer & Grover	96
105436	152	Ginn & Co.	42 91
105437	658	Atkinson, Mentzer & Co.	20
105438	38845	The A. S. Barnes Co.	2 80
105439	798	The A. S. Barnes Co.	80
105440	191	Milton Bradley Co.	1 20
105441	674	Little, Brown & Co.	2 88
105442	38620	The J. W. Pratt Co.	64 15
105443	38620	The J. W. Pratt Co.	12 00
105444	38622	M. J. Tobin	7 20
105445	390	Benj. H. Sanborn & Co.	32 40
105446	38871	Educational Publishing Co.	82 36
105447	38463	New York & Pennsylvania Co., assignee of Hopper Paper Co.	45 50
105448	38520	Geo. T. Montgomery	1 19
105449	38622	M. J. Tobin	7 31
105450	38624	Clarence S. Nathan	10 50
105451	38799	The Universal Co.	282 25
105452	399	American Book Co.	24 00
105453	38453	M. J. Tobin	1 91
105454	38512	Schoverling, Daly & Gales	88 14
105455	38519	Alfred Field & Co.	2 00
105456	121	C. S. Hammond & Co.	14 00
105457	38511	Heywood Bros. & Wakefield Co.	21 60
105373	3-17-14	Giles J. Swan	3 40
105374	3-11-14	Patterson, Gottfried & Hunter	70
105375	5- 7-14	The Manhattan Supply Co.	272 00
105376	5-16-14	Agent and Warden, Auburn Prison	47 50
105377	4-11-14	P. Derby & Co., Inc.	9 50
105378	5- 4-14	A. Pearson's Sons	7 50
105379	4-27-14	Greenhut-Siegel Cooper Co.	13 17
105380	5-22-14	Richmond School Furniture Co.	17 00
105381	5-11-14	P. Derby & Co., Inc.	283 33
105382	5- 1-14	The Wabash Cabinet Co.	52 90
105383	5-22-14	Lord & Taylor	22 00
105384	4-30-14	Langslaw Fowler Co.	107 00
105385	5- 9-14	John Wanamaker	21 50
105386	5-14-14	A. Pearson's Sons	64 50
105387	5- 5-14	Greenhut-Siegel Cooper Co.	23 00
105388	5-22-14	Lord & Taylor	174 00
105389	5- 9-14	Geo. W. Cobb, Jr.	61 00
105390	5-23-14	Peter Nelson	150 00
105391	2-25-14	Century Cabinet Co.	71 30
105392	5- 2-14	Louis Imershein	70 00
105393	2- 7-14	The Fairbanks Co.	15 00
105394	6- 4-14	Tower Mfg. & Novelty Co.	1 90
105395	6- 9-14	W. A. Johnson	10 00
105396	4- 7-14	Singer Sewing Machine Co.	250 00
105397	6-19-14	The J. W. Pratt Co.	26 74
105398	6- 8-14	M. J. Tobin	28 00
105345	5-27-14	The Brooklyn Daily Eagle	12 65
105346	5-28-14	The J. W. Pratt Co.	26 00
105347	7- 1-14	Carrie W. Kearns	336 64
105348	6-10-14	Westchester Electric Railroad Co.	225 50
105349	6-10-14	Carrie W. Kearns	13 46
105350	6-10-14	S. J. Ellsworth	14 75
105351	6-23-14	Carrie W. Kearns	23 36
105325	5-19-14	The General Manifold & Ptg. Co.	201 36
105326	6-13-14	M. J. Tobin	9 50
105327	6-13-14	M. J. Tobin	11 00
105328	6- 2-14	M. J. Tobin	4 14
105329	5-27-14	Tower Bros. Staty. Co.	2 93
105330	5-29-14	American Distilled Water Co.	4 80
105331	5-29-14	M. B. Brown P. & B. Co.	12 50
105332	5-29-14	The Roberts Numbering Machine Co.	33 00
105333	6- 8-14	Krengel Mfg. Co.	5 00
105334	5-26-14	Tower Mfg. & Nov. Co.	3 60
105335	5-26-14	Henry Moss & Co.	85
105336	6- 3-14	Albers Bros.	15 00
105337	5- 7-14	Clarence S. Nathan	12 70
105338	6-17-14	Gutenberg Ptg. Co., Inc.	7 35
105339	6-16-14	H. C. Hallenbeck	234 50
105340	1-22-14	H. C. Hallenbeck	17 50
105341	5-31-14	American Distilled Water Co.	1 20
105342	6- 6-14	Monarch Manifold Book Co.	64 80
105343	6- 5-14	Wm. Bratter & Co.	16 70
105344	5-26-14	Armour Soap Works	3 80
105903	6-27-14	Frank P. Van Riper	3 50
105904	5-26-14	Oliver Machinery Co.	336 00
105905	6- 9-14	Carl Fisher	1 70
105906	6- 4-14	T. W. & C. B. Sheridan Co.	4 00
105907	6- 8-14	Montgomery & Co.	22 05
105908	3-27-14	O. J. Maigne Co.	9 50
105909	6- 4-14	Standard Oil Co. of N. Y.	32 22
105910	5-23-14	The White Adding Machine Co.	259 00
105911	7-16-14	Hugh D. McGrane	90 00
105912	2-20-14	Lillian B. Sage	98 75
105895	4- 7-14	Library Bureau	43 44
105896	3-26-14	H. P. Marsh	33 59
105897	2-28-14	B. F. Johnson Pub. Co.	72
105898	6-10-14	Chesebro-Whitman Co.	7 50
105899	5-25-14	Henry Disstob & Sons, Inc.	11 41
105900	5-18-14	Fred'k Pearce Co.	1 32
105901	5-26-14	Hammacher, Schlemmer & Co.	14 50
105902	6- 4-14	H. T. Dakin	253 15
105399	7- 2-14	Hugh D. McGrane	70 00
105400	6-15-14	Knickerbocker Ice Co.	4 17
105401	7- 2-14	The Crowell Pub. Co.	150 00
105402	7- 2-14	The Crowell Pub. Co.	22 00
105403	4- 5-14	Burroughs Adding Machine Co.	2 25
105404	4-29-14	Remington Typewriter Co.	1 20
105405	7- 1-14	Fred D. Johnson	18 00
105406	7- 2-14	Matthew S. O'Connor	21 00
105407	3-31-14	Patrick J. Sullivan	12 20
105408	4- 1-14	Darwin L. Bardwell	7 25
105409	6- 2-14	Albert Strauss	4 15
105410	5-29-14	The Robert Numbering Machine Co.	2 30
105411	6- 8-14	Krengel Mfg. Co.	4 25
105412	5-31-14	N. Y. & Brooklyn Tow. Sup. Co.	4 80
105413	1-10-14	H. Kastens	10 60
105414	5- 8-14	Elliott-Fisher Co.	2 70
105314	5-30-14	The Fleischmann Co.	19 20
105315	5-16-14	Clarence S. Nathan	3 90
105316	5-28-14	H. C. Hallenbeck	48 00
105317	6-10-14	C. J. O'Brien	16 50
105318	5-28-14	The J. W. Pratt Co.	2 19
105319	5-27-14	The Brooklyn Daily Eagle	4 40
105320	6- 2-14	Gaylord Bros.	9 25
105321	6- 2-14	Krengel Mfg. Co.	84
105322	5-22-14	Tower Mfg. & Nov. Co.	1 80
105723	6- 8-14	The J. W. Pratt Co.	3 10
105324	5-18-14	The Tabulating Machine Co.	1 47
105870		Margaret A. Dermody	5 36
105871	7-27-14	Y. M. C. A., Bedford Branch	28 00
105872	7-24-14	Wm. Siemers	120 00
105873	7-24-14	Louis Fischer	120 00
105874	7-25-14	Michael J. Ryan	120 00
105875	7-24-14	John Taylor Owens	116 00
105876	7-25-14	Thomas F. Usher	120 00
105877	7-24-14	W. Lendansky	120 00
105878	7-24-14	Frederick W. Bwnt	120 00
105879	7-24-14	William Cohen	120 00
105880	7-24-14	John T. F. Wood	120 00
105881	7-24-14	Edwin Walther	120 00
105882	7-24-14	William F. Kielgast	120 00
105883	7-24-14	Benjamin Wechsler	120 00
105884	7-24-14	Julius H. Wasel	120 00
105885	7-24-14	Albert M. Pesce	120 00
105886	7-24-14	Frank V. Beggs	120 00
105887	5-29-14	Mason Seaman Transportation Co.	11 00
105888	6-16-14	I. A. Silvie, Jr.	56 26
105889	4-20-14	Mason-Seaman Transportation Co.	3 40
105890	6- 1-14	Flushing Auto Garage	7 00
105891	3-31-14	Strauss Bros.	10 00
105892	3-31-14	Joseph M. Flaherty	6 00
105893	5-31-14	Empire State Dairy Co.	285 60
105894		Hencken & Willenbrock Co.	15 00
105996	38522	H. T. Dakin	140 58
105997	38453	M. J. Tobin	27 63
105998	38518	Scientific Equipment Co.	35 32
105999	38513	Hammacher, Schlemmer & Co.	119 26
106000	39348	Fred'k Pearce Co.	84
106001	38449	Bloomingdale Bros.	15 30
106002	38438	Milton Bradley Co.	7 00
106003	3	Keystone View Co.	38 40
106004	136	Ward & Drummond Co.	3 75
106005	683	Rand, McNally & Co.	10 80
106006	38510	James S. Barron & Co.	17 40
106007	39777	Adolph Kastor	189 00
106008	38512	Schoverling, Daly & Gales	228 00
106009	40028	Underwood Typewriter Co.	26 00
106010	38430	Eugene Dietzgen Co.	7 75
106011	40027	Remington Typewriter Co.	655 00
106012	39329	Scientific Equipment Co.	13 24
106013	38438	Milton Bradley Co.	211 85
106014	39346	Henry Allen	12 30
106015	818	Albert S. Smith	15 00
106016	39348	Fred'k Pearce Co.	9 95
106017	38485	Fred'k Pearce Co.	6 30
106018	38510	Jas. S. Barron & Co.	22 53
105969	38538	Domestic Mills Paper Co.	177 65
105970	38538	Domestic Mills Paper Co.	5 05
105971	38457	Peckham, Little & Co.	15 60
105972	38512	Schoverling, Daly & Gales	15 96
105973	683	Rand, McNally & Co.	19 00
105974	38449	Bloomingdale Bros.	21 31
105975	38454	E. Steiger & Co.	213 96
105976	38453	M. J. Tobin	173 10
105977	38435	Kalt Lumber Co.	38 50
105978	40025	Charles W. Daly	3 85
105979	38520	Geo. T. Montgomery	7 65
105980	38438	Milton Bradley Co.	37 50
105981	39346	Henry Allen	9 00
105982	38769	Greenhut-Siegel Cooper Co.	370 43
105983	38485	Fred'k Pearce Co.	10 81
105984	39348	Fredk. Pearce Co.	30 54
106019		Doncourt Construction Co.	855 00
106020		Daniel J. Rice	6,165 00
105968	7-30-14	Doncourt Construction Co.	1,048 50
106021	38457	Peckham, Little & Co.	36 29
106022	38453	M. J. Tobin	97 95
106023	38454	E. Steiger & Co.	707 14
106024	38482	James H. Miller	109 17
106025	38856	The Macmillan Co.	38 64
106026	813	Little, Brown & Co.	17 28
106027	38518	Scientific Equipment Co.	48
106028	38544	The Manhattan Supply Co.	4 50
106029	39346	Henry Allen	16 39
106030	789	J. L. Hammett Co.	14 00
106031	38436	Owen M. Dawson	738 09
106032	38872	Atkinson, Mentzer & Co.	91 20
106033	38513	Hammacher, Schlemmer & Co.	4 05
105985	40028	Underwood Typewriter Co.	26 00
105986	39348	Fred'k Pearce Co.	5 01
105987	38485	Fred'k Pearce Co.	05
105988	3	Keystone View Co.	12 80
105989	38439	Tower Mfg. & Novelty Co.	5 80
105990	134	Berlin Photographic Co.	14 20
105991	38537	J. L. Hammett Co.	75 00
105992	38431	Gerry & Murray	5 00
105993	38536	A. E. Moeller	147 00
105994	38513	Hammacher, Schlemmer & Co.	248 25
105995	38520	Geo. T. Montgomery	10 64

Fire Department.

105923	7-14-14	Kanouse Mountain Water Co.	12 00
105924	7-14-14	Empire Paper Tube & Box Co.	6 00
105925	7-18-14	M. B. Brown, P. & B. Co.	22 90
105926	7-20-14	Rogers Manifold & Carbon Paper Co.	9 00
105927	7-17-14	Tower Bros. Stationery Co.	29 00
105928	7- 1-14	The Gorham Co.	25 00
105929	7- 8-14	Crown Stamp Works	50
105930	6-27-14	E. G. Soltmann	2 49
105931	6-25-14	Presto-Lite Co., Inc.	1 50
105932	7- 7-14	Auburn Prison	7 90
105933	7-14-14	Goodyear Rubber Tire Co.	41 82
105934	7-21-14	United States Tire Co.	20 70
105935	7-14-14	E. B. Latham & Co.	30 30
105936	7-22-14	Ford Motor Co.	3 15
105937	7-16-14	Lowe Motor Supplies Co.	66
105938	6-27-14	The White Co.	8 00
105939	7-16-14	Detroit Cadillac Motor Car Co.	95 55
105940	7-18-14	Goodyear Rubber Tire Co.	18 00
105941	3-20-14	S. F. Hayward & Co.	490 20

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
105942	7-15-14	E. B. Latham & Co.....	38 40
105943		Lowe Motor Supplies Co..	28 90
105944	7- 2-14	John P. Kane Co.....	34 50
105945	6-11-14	Montgomery & Co.....	1 35
105946	7-15-14	C. W. Keenan.....	2 75
105947	4-30-14	Western Electric Co.....	36 00
105948	7-22-14	Goodyear Rubber Tire Co.	6 50
105949	7-14-14	Eug. Bournonville Welding Co.	7 00
105950		Livingston Radiator & Mfg. Co.	5 25
105951	6-16-14	Keuffel & Esser Co.....	60
105952		Meder Staudt Co., Inc.....	25 16
105953		Powell Elliott Auto Repair Co.	6 50
		Department of Health.	
105742	38572	Conron Bros. Co.....	126 48
105743	39231	James A. Miller.....	13 69
105744	39818	Parke Davis & Co.....	945 38
105745	39330	John Bellmann	1,281 11
105746	39529	James T. Dougherty.....	210 50
105747	39551	Frank T. Simmons.....	201 10
105748	39521	Metropolitan Hospital Supply Co.	301 85
105749	39580	The Manhattan Supply Co.	20 25
105750	40160	Lehn & Fink.....	515 90
105751	39532	James A. Miller.....	25 43
105752	39206	The Holbrook Mfg. Co....	13 84
105753	39533	The Miller. Rubber Co. of N. Y.	84 00
105754	36611	Eimer & Amend.....	94 75
105755	38696	John W. Peale.....	1,248 87
		Department of Parks, Boroughs of Manhattan and Richmond.	
104839	6-26-14	Enoch Morgan's Sons.....	$9 00
104840	6-17-14	Keystone Lubricating Co..	26 00
104841		Schieffelin & Co.....	10 00
104842		Colgate & Co.....	43 20
104843		Bobbink & Atkins.....	187 50
104844		The Grasselli Chemical Co.	552 00
104845		Stumpp & Walter Co.....	219 10
104846		Borne, Scrymser Co.....	10 00
104847		The Auto Supply Co.....	28 00
104848		Department of Correction..	66 90
104849		Patterson Bros.	7 20
104850		Chilton Paint Co.....	54 00
		Department of Parks, Borough of Brooklyn.	
105863	8- 1-14	J. F. Gillespie	$3 50
105864	7-22-14	Henry Romeike, Inc.....	5 00
105865		Joseph Kandel	9 00
105866		Benjamin T. Purcell	9 00
105867		Max Levine	9 00
105868		John L. Bosch	19 00
105869		Morris Meyers	9 00
		Department of Parks, Borough of Queens.	
105489	39478	J. D. Newman.....	$773 20
105490		John E. Weier	150 00
105491	7-11-14	Chas. Schaefer & Son.....	157 04
105492	7-17-14	Eugene Dietzgen Co.....	32 85
105493	7-25-14	Nungesser, Dickinson Seed Co.	379 00
105494	7-20-14	B. G. Pratt Co.....	50 00
105495	7-17-14	A. H. Hews & Co.....	24 00
105496	7-20-14	Pure Oil Company.....	70 00
105497	7- 3-14	Western Mdse. & Supply Co.	4 29
105498	7- 2-14	Annin & Co.....	20 46
105499	7-31-14	E. Belcher Hyde	1 50
105500	7- 9-14	Eugene Dietzgen Co.....	4 50
105501	7- 7-14	Underwood Typewriter Co..	22 00
105502	7- 1-14	Thomas J. McCormick.....	3 84
105503	7-21-14	C. F. Rattigan	13 50
105504	7-13-14	Standard Oil Co. of N. Y..	640 00
105505	7-18-14	George Solms Co.....	9 60
105506	6-29-14	Nason Mfg. Co.....	27 29
105507	7-27-14	Long Island Hardware Co.	2 60
105508	7-20-14	James and Hawkins	9 90
105509	6-30-14	American Saw Mill Machinery Co.	2 25
105510	5- 9-14	J. S. Woodhouse Co.	41 01
105511	7-25-14	The Cleveland Twist Drill Co.	1 98
105512	7- 7-14	Coldwell Lawn Mower Co.	2 10
105513	7-22-14	N. Y. Maline Plow Co.....	53 35
105514	7- 9-14	Igoe Brothers	3 25
105515	7-17-14	Thomas A. Priestley	145 00
105516	8- 1-14	Grochola & Kuskowski	9 00
105517	7- 1-14	James Mulligan	58 75
105518	8- 2-14	Charles Feth	100 00
105519	7-28-14	Jacob E. Young	100 00
105520	7-28-14	Otto Triebig	100 00
105521	7-20-14	Otto N. Bergner	100 00
105522	7-16-14	R. Guerriere	100 00
105523	7-16-14	Jacob E. Young	100 00
105524	7-20-14	Edward Favenza	100 00
105525	7-22-14	Sanford Byron Moses	95 00
105526	7-22-14	Everett S. Gould	100 00
105527	7-21-14	Borough Machine Co., Inc..	546 80
105528	7-22-14	C. B. Derby	9 00
		President of the Borough of Manhattan.	
105672	7- 8-14	Murphy Varnish Co.	66 50
105673	6-30-14	The Yorkville Marble Co...	25 00
105674		The George Taylor Brass & Bronze Works, Inc.	5 40
105675	7- 2-14	Russell & Erwin Mfg. Co...	9 26
106676		Nason Mfg Co.	32 00
105677	7- 3-14	William Hunrath	51 84
105678	7- 9-14	N. Z. Graves & Co.....	125 00
105679	7-16-14	Behrer & Co.	157 50
105680	7- 1-14	Alabastine Co.	85 00
105681	6-30-14	Eglestob Brothers & Co.....	5 50
105682	7- 6-14	George A. Starrs	10 50
105683	6- 8-14	The S. C. Regulator Co...	5 23
105684	7- 8-14	The H. B. Claflin Co.	7 25
105685	7-15-14	American Blower Co.	7 00
105686	6-17-14	F. N. Du Bois & Co.....	22 17
105687	7- 9-14	E. T. Joyce	48 50
105688	7- 7-14	Sibley & Pitman	25 60
105689	7- 6-14	Jenkins Bros.	3 58
105690	7-22-14	Buff & Buff Mfg. Co.....	44 80
105691	7- 1-14	John McCartens Sons.....	52 50
105692		The Dime Savings Bank of Brooklyn	330 00
105693	7- 1-14	Mutual Tow. Sup. Co.	42 37
105694	7-20-14	H. Portnof	739 00
105695	7-13-14	Hammarlund Mfg. Co.	130 00
105696	7-23-14	Frederick Starr Contracting Co.	943 74
105707	6-30-14	William Holohan	8 17
105708	7- 1-14	Mutual Towel Sup. Co.	116 33
105709	7- 7-14	Shaw Walker Co.	6 72
105710		A. P. W. Paper Co.	32 50
105711		The Specification Soap & Oil Co.	130 80
105712	7-14-14	Sing Sing Prison	543 30
105713	7- 8-14	Nason Mfg. Co.	22 08
105714	7-13-14	Hagerty Bros. & Co.....	2 50
105715	6-26-14	Clement Restein Co.....	18 68
105716	7- 7-14	Individual Sanitary Paper Products Co.	13 00
105717	6-30-14	Metal Shelter Co., Inc.	261 00
105718	7- 8-14	J. W. Buckley Rubber Co...	48 50
105719	7- 9-14	A. F. Brombacher & Co.....	21 60
105720	7- 8-14	Chesebro Whitman Co.	5 40
105721	7- 8-14	Hudson Electrical Supply Co.	10 70
105722	7- 9-14	Nason Mfg. Co.	26 00
105723	7- 9-14	The H. B. Claflin Co.....	19 89
105724	7-13-14	Clinton Prison	12 00
105725	7-16-14	W. H. Bunnell	9 00
105726	7- 8-14	The Leavitt Machine Co....	16 50
105727	6-26-14	Union Smelting & Refining Co.	87 50
105728	7- 9-14	The Babcock & Wilcox Co.	10 19
105729	6-24-14	John Simmons Co.	14 37
105730	6-30-14	Imperial Paint Co.	4 00
105731	7-11-14	Hammond Process Co.	62 50
		President of the Borough of The Bronx.	
105756	35992	F. V. Smith, Inc., Assignee of F. V. Smith.....	$8,239 90
105757	37975	F. V. Smith, Inc.	3,373 14
105758	36197	The Asphalt Constr. Co.....	1,110 00
105759	39612	C. A. Crane	153 68
105760	37976	S. Amanna	1,098 31
105761	38126	Daniel J. Donelin	25 00
105762	38638	Geo. M. Dunn	1,648 03
105763	35382	Rodgers & Hagerty, Inc.....	47,156 23
		President of the Borough of Brooklyn.	
105916	38019	Bklyn. Alcatraz Asph. Co...	$1,382 93
105917	39388	Uvalde Contr. Co.....	4,671 00
105918	39563	Uvalde Contr. Co.	3,299 04
105919	39561	Jos. J. McKenna	1,022 09
105920	39501	John C. Schrade	140 72
105921		Charles S. Stratton	7 55
105922		William W. Richards	51 65
		President of the Borough of Queens.	
105735		Henry A. Christe	$157 00
105736		Henry M. Thomson.....	58 91
105737		Charles Pfitzenreuter	6 43
105738	7-16-14	Vacuum Cleaner Maintenance Co.....	5 50
105739	7-22-14	Wm. G. Snyder	3 50
105740	7-22-14	Martin Damate	100 00
105741	6-25-14	The Banks Law Pub. Co...	28 10
105789	7-17-14	Hyatt & Wood	28 75
105790	7-23-14	A. J. Van Siclen & Son....	45 00
105791	7-23-14	Long Island Star Publishing Co.	8 50
105792	1-11-14	G. R. Lawrence	21 60
105793	7-21-14	G. R. Lawrence	10 50
105794	7-13-14	Western Electric Co.....	35 00
105795	5-26-14	A. Pearson's Sons	212 30
105796	7-11-14	Thomas J. McCormick	1 00
105797	7-22-14	Bronx Rubber & Auto Specialty Co., Inc.	18 22
105798	7- 7-14	Bronx Rubber & Auto Spec. Co., Inc.	25 44
105799	7-24-14	Western Electric Co.	17 50
105800	7-23-14	The Good Roads Machinery Co.	956 80
105801	7-22-14	The Long Island Hardware Co.	28 65
105802	7-10-14	Art Metal Construction Co.	45 00
105803	7- 8-14	Keuffel & Esser Co.	46 80
105804	7-16-14	Cavanagh Bros. & Co.....	240 00
105805	7-27-14	Edward Cossin	159 50
105806	7-22-14	The Long Island Hardware Co.	1 60
105807	7-23-14	The Richmond Hill Foundry Co.	35 00
105808	7-16-14	The Long Island Hardware Co.	16 00
105809	6-19-14	Mason Manufacturing Co...	3 00
105810	7-22-14	The Long Island Hardware Co.	7 55
105811	7-20-14	Grochola & Kuskowski	20 50
		President of the Borough of Richmond.	
105774		William B. Kenney.....	$3 15
105775		John Timlin, Jr.....	6 80
105776		Theodor S. Oxholm.....	55 90
105777		Robert Bailey	121 50
105778		Ernest H. Seehusen.....	6 10
105779		John E. Bowe.....	7 15
105780		Robert Bailey	23 30
105781		The S. I. Rapid Transit Railway Co.	8 50
105782		Theodor Oxholm	8 85
105783		Philip Beyer	3 40
105784		R. D. Cullen	1 60
105785		T. E. O'Halloran.....	4 20
105786	36500	Jos. Johnson's Sons.....	223 20
105787	38112	U. S. Wood Preserving Co.	2,503 34
105788	40039	Cornelius Vanderbilt.....	140 74
		Department of Public Charities.	
105580	7-13-14	Abraham & Straus.....	$12 96
105581	7- 8-14	M. Weiss & Co.....	332 00
105582	7- 7-14	B. Ackermann Co.....	30 00
105583	7- 9-14	John Bellmann	3 20
105584	6-30-14	Cooke Milk & Cream Co..	58 65
105585	7- 8-14	Eimer & Amend.....	8 55
105586		Max Glick	9 75
105587	7- 8-14	A. F. Grassman.....	80 62
105588	7- 9-14	Hunter & Trimm Co., Inc..	153 48
105589	7- 2-14	J. H. Michaels Co.....	91 43
105590	7- 8-14	H. T. Franklin.....	44 00
105591	5-22-14	Meyer-Denker-Sinram Co..	546 84
105592	6- 1-14	Summers Supply Co.....	102 21
105593	6-17-14	A. B. Dick Co.....	15 00
105594	6- 5-14	Eugene Dietzgen Co.....	26 78
105595	5-28-14	The General Fireproofing Co.	18 60
105596	6-20-14	Abraham & Straus.....	1 20
105597	4- 7-14	Aschenbach & Miller.....	48 00
105598	6-11-14	Chas. F. Mattlage.....	46 50
105599	6-15-14	J. J. Snyder & Son.....	12 32
105600	6-15-14	Abraham & Straus.....	1 60
105601	6-12-14	Milton Bradley Co.....	3 68
105602	6-12-14	Detroit-Cadillac Motor Car Co.	35
105603	4-13-14	Hull, Grippen & Co.....	7 82
105604	7- 8-14	Meyers & Grayson, Inc.....	73 22
105605	5-27-14	Meyers & Grayson, Inc....	22 00
105606	7- 2-14	James S. Barron & Co.....	1 12
105607	6-16-14	Bramhall-Deane Co.....	12 50
105608	6-25-14	Peter J. Constant.....	4 66
105609	6-22-14	The Fairbanks Co.....	9 60
105610	4- 8-14	Fowler Waste Mfg. Co., Inc.	18 00
105611	6-10-14	Edward Goett	10 00
105612	4-30-14	Hull, Grippen & Co.....	1 00
105613	6-23-14	A. C. Laurence	102 00
105614	3-30-14	Geo. W. Millar & Co.....	3 75
105615	6-18-14	James A. Miller.....	4 50
105616	6-25-14	J. S. Morse.....	12 00
105617	6-24-14	Frank Richards Laundry Supply Co.	7 88
105618	6-15-14	J. J. Snyder & Son.....	15 50
105619	6- 5-14	Troy Laundry Machinery Co., Ltd.	60
105620	2-11-14	Ideal Ventilator Co.....	3 75
105621	6-19-14	Abraham & Straus.....	90 89
105622	6-25-14	Auburn Prison	20 00
105623	5-15-14	Sing Sing Prison.....	65
105624	6-17-14	Frank S. Betz Co., Inc.....	5 00
105625	6-13-14	The Frank Richards & Gardner Co.	17 00
105626	6-24-14	Fredric Godfrey	28 00
105627	6- 8-14	The Kny-Scheerer Co.....	55 75
105628	6-23-14	Library Bureau	29 25
105629	6-22-14	Manhattan Electrical Supply Co.	16 20
105630	7- 9-14	Mann & McConnin	32 00
105631	6-17-14	McKee Refrigerator Co....	15 10
105632	6-15-14	Revere Rubber Co.....	123 82
105633	7- 2-14	W. & S. Schlesinger & Co..	49 80
105634	6-15-14	J. J. Snyder & Son.....	33 04
105635	6-13-14	The S. S. White Dental Mfg. Co.	70 80
105636	5-21-14	Bloomingdale Bros.	88 80
105637	6-17-14	James S. Barron & Co....	49 50
105638	2-21-14	Clinton Prison	665 40
105639	6-23-14	Sing Sing Prison.....	90 00
105640	3-25-14	Thos. H. Lowrey.....	6 64
105641	4-27-14	H. T. Dakin.....	4 36
105642	4-27-14	Thomas C. Dunham, Inc....	4 90
105643	6-20-14	Duparquet, Huot & Moneuse Co.	228 90
105644	4-15-14	General Supply & Equipment Cor.	1 80
105645	3-31-14	Hull-Grippen Co.	58 16
105646	5- 4-14	Jones Pacing Co.....	8 50
105647	6-11-14	The East River Mill & Lumber Co.	57 75
105648	6-17-14	John P. Kane Co.....	6 80
105649	5-28-14	The J. L. Mott Iron Works	381 08
105650	6-18-14	Brooklyn Electrical Supply Co.	17 22
105651	4- 7-14	H. T. Dakin.....	47 00
105652	6- 3-14	Geo. Damon & Sons.....	22 89
105653	4-15-14	General Supply and Equipment Corp.	248 33
105654	6-15-14	Hardgrove & McDermott ..	3 15
105655	3-18-14	Hull, Grippen & Co.....	34
105656	6-17-14	E. T. Joyce.....	185 34
105657	6-30-14	J. J Snyder & Son.....	12
105658	6-10-14	F. S. Watt Electrical Supplies	20 56
105659	6-16-14	Abraham & Straus.....	17 25
105660	6- 3-14	Department of Correction..	6 00
105661	5-18-14	The Fairbanks Co.....	2 00
105662	6-20-14	General Supply & Equipment Corporation	211 60
105663	6-22-14	Kensington Engine Works.	18 00
105664	6-12-14	The Kny-Scheerer Co.....	16 80
105665	6-22-14	A. I. Namm & Son.....	25 90
105666	6-17-14	Detroit Cadillac Motor Car Co.	85
105667	3-31-14	Hull, Grippen & Co.....	75
105668	9-15-13	Department of Correction..	30 00
105669	5-14-14	Smith & Bremen.....	425 00
		Sheriff, Bronx County.	
105486		Adams, Flanigan Co.....	19 59
105487	7-31-14	Charles Sowa	20 88
105488	8- 1-14	Adams, Flannigan Co.....	204 85
		Sheriff, Richmond County.	
105473	7- 1-14	Daniel J. Roach	947 52
105474	7- 1-14	F. A. Lambert & Co.....	273 59
105475	7- 1-14	Edward C. Kunath.....	50 40
105476	7- 1-14	Holtermann Bros.	75 90
105477	7- 1-14	Borden's Condensed Milk Co.	13 95
105478	8- 1-14	Morrison Brothers	8 00
105479	7- 1-14	Thomas E. Haley.....	5 50
105480	7-31-14	M. McQuade & Co.....	34 82
105481	7- 1-14	Joseph W. Wanty	4 40
105482	8-10-14	Reuben Mord	5 04
105483	7-22-14	Frederick S. Levey & Co..	3 00
105484	6- 6-14	The Monon Supply Co., Inc.	11 40
105485	8- 5-14	Richmond Light & Railroad Co.	8 29
		Department of Street Cleaning.	
105531	7- 1-14	Bedford Auto Garage.....	37 30
105532	7- 1-14	Prospect Taxi Co., Inc.....	79 98

Finance Voucher No.	Invoice or Contract Date Number.	Name of Payee.	Amount.
105533	6-30-14	John A. McCarthy & Bro..	66 00
105534	7- 7-14	Platt & Washburn Refining Co.	45 36
105535	7-29-14	The Pigot Savre Co.	115 47
105536	4- 2-14	The Pigot Sayre Co.	88 50
105537	7-23-14	Swan & Finch Co.	48 05
105538	6-23-14	Standard Oil Co., of N. Y.	22 50
105539	6-13-14	The American Multigraph Sales Co.	620 00
105540	6-30-14	John C. Eberle	8 10
105541	6-23-14	Library Bureau	11 25
115542	6-23-14	Library Bureau	6 08
115543	6-24-14	Auburn Prison	9 75
105544		Stanley & Patterson	5 20
105545	7-16-14	Stanley & Patterson	40 50
105546	6- 2-14	Englebert Tyre Co.	147 20
105547	4-17-14	Stewart Warner Speedometer Cor.	140 00
105548	6- 5-14	Department of Correction..	1,400 00
105549	6-23-14	Department of Correction..	700 00
105550	6- 3-14	Department of Correction..	300 44
105551	6- 3-14	Department of Correction..	1,850 00
105552	6-28-14	William Dengler	27 44
105553	6-22-14	F. F. Fuhrmann	9 00
105554	6-16-14	The Gutta Percha & Rubber Mfg. Co.	111 84
105555	7-17-14	The Gutta Percha & Rubber Mfg. Co.	280 74
105556	5-12-14	The Knickerbocker Supply Co	394 14
105557	6- 6-14	Sing Sing Prison	31 00
105558	6-10-14	Sing Sing Prison	31 00
105559		N. Y. Sporting Goods Co..	12 42
105560	7- 6-14	Revere Rubber Co.	4 50
105561	6-30-14	A. G. Spalding & Bros.	182 50
105562	7-13-14	The Smith-Worthington Co.	2 25
105563	6-12-14	The Woodhouse Mfg. Co..	3 10
105564	6-24-14	Hencken & Willenbrock Co.	17 70
105565	7-14-14	Olin J. Stephens	17 25
105566	7-22-14	Amberg File & Index Co.	18 70
105567	6-30-14	Great Bear Spring Co.	3 30
105568	5-25-14	International Time Recording Co. of New York.	6 41
105569	7-15-14	International Time Recording Co.	1 33
105570	11- 6-13	Kanouse Mountain Water Co.	3 00
105571	7-27-14	Kanouse Mountain Water Co.	10 80
105572	6- 1-14	Knickerbocker Ice Co.	82 17
105573	6- 1-14	Knickerbocker Towel Supply Co.	24 83
105574	6- 6-14	Keuffel & Esser Co.	4 52
105575	6-30-14	The New York Law Journal	3 50
105576	7- 1-14	The Peerless Towel Supply Co.	7 88
105577	7- 1-14	Nicholas Sabino	3 86
105578	6- 5-14	E. G. Soltmann	19 25
105579	6-12-14	Engelbert Tyre Co.	91 36
105764	39461	J. M. Delaney & Co.	2,560 00
105765	39719	Lehn & Fink	83 40
105766	39719	Lehn & Fink	292 26
105767	39719	Lehn & Fink	1,127 33
105768	38835	Meyer, Denker, Sinram Co.	376 85
105769	29416	William P. Youngs & Bros.	2,138 98
105770	39415	The East River Mill & Lumber Co.	1,228 00
105771	39721	Ogden & Wallace	204 38
105772	39274	New York Telephone Co.	838 55
105773	39274	New York Telephone Co.	208 02
105817	1-14-14	Thos. J. McCormick, Agent and Warden, Sing Sing Prison	2,925 00
105818	6-16-14	Balfour & Koch Co.	244 65
105819	6- 3-14	A. F. Brombacher & Co.	8 50
105820	7-16-14	A. F. Brombacher & Co.	28 74
105821	7-23-14	A. F. Brombacher & Co.	1 65
105822	7-11-14	Brooklyn Lumber Co.	86 66
105823	7- 8-14	Brooklyn Lumber Co.	22 00
105824	7-10-14	The East River Mill & Lumber Co.	52 80
105825	7-13-14	The East River Mill & Lumber Co.	11 33
105826	6- 7-14	Knickerbocker Supply Co.	114 37
105827	6-27-14	Lehn & Fink	1 72
105828	7-31-14	John A. McCarthy & Bro.	16 80
105829	7-11-14	The Manhattan Supply Co..	172 47
105830	6-13-14	Theo. W. Morris & Co.	4 51
105831	6-25-14	Montgomery & Co.	20 37
105832	7-15-14	The Muralo Co.	84 00
105833	6-30-14	New York Roofing Co.	10 20
105834	7-28-14	New York Roofing Co.	83 92
105835	7-14-14	A. S. Sherwood	42 37
105836	6-26-14	A. F. Brombacher & Co.	11 25
105837	6-26-14	A. F. Brombacher & Co.	3 00
105838	7-24-14	A. F. Brombacher & Co.	6 80
105839	7-30-14	A. F. Brombacher & Co.	6 80
105840	7-15-14	Columbia Machine Works..	160 00
105841	7-30-14	H. T. Dakin	14 00
105842	7-11-14	J. A. Del Solar	11 00
105843	7-20-14	Greenlie, Hallidav Co.	5 35
105844	7-11-14	H. F. Gundrum Co.	30 00
105845	7-11-14	Chas. Hvass & Co.	92 00
105846	1-29-14	Ernest W. Hill	149 00
105847	7-20-14	Ernest W. Hill	15 00
105848	7-11-14	The Knickerbocker Supply Co.	22 61
105849	7-16-14	The Knickerbocker Supply Co.	50 70
105856	7-14-14	The Knickerbocker Supply Co.	2 40
105851	7-17-14	W. E. Kleine & Co.	6 00
105852	7-30-14	W. E. Kleine & Co.	18 90
105853	6-17-14	William E. Kleine & Co.	125 00
105854	7-13-14	P. J. Langler	170 50
105955	6-29-14	Riverside Contracting Co..	483 00
		Board of Water Supply.	
105026		Fredk. S. Benedict	$125 00
105027		Edward J. Cullen	98 86
105028		State Law Reporters, Inc..	229 53
105029		Wm. H. Grogan	251 95
105030		Wm. H. Grogan	242 50
105031		Charles L. Davis	40 00
105032		C. C. Heermance	10 00
		Department of Water Supply, Gas and Electricity.	
105184		Miss Rose Feuerlicht	22 50
.....		E. A. Wood	2 40
105700	38524	Charles D. Norton Co.	14,945 94
105701	40020	John E. Donovan	4,404 22
105702	40017	Jos. Johnson's Sons	3,746 44
105703	34984	McBride & Callan Constr. Co., Inc.	285 02
105704	37097	Standard Cast Iron Pipe & Foundry Co.	1,616 17
105705	37603	Bacon Coal Co.	1,186 97
105706	40018	Geo. D. Harris & Co., Inc..	10,423 72

Department of Public Charities.

Report for week ended August 1, 1914:

Appointed—Hospital Helpers: Abraham, Thomas, $180; Acker, George, $180. Ex. Char. Inst.: Aidman, Dorothy, $1,200; Aidman, Henrietta, $1,200. Stenographer and Typewriter: Alexander, Adelaide, $720. Hospital Helper: Argue, Mary Florence, $540. Inst.: Armstrong, Mrs. Burton E., $1,200; Auerbach, Nathanto, $1,200. Hospital Helper: Bailey, Eugene G., $180. Ex. Char. Inst.: Baldwin, Florence, $1,200. Hospital Helper, Ball, Harry L., $240. Trained Nurse: Barrow, Louise, $600. Hospital Helper: Beirne, Michael, $240. Stenographer and Typewriter, Benz, Irene A. T., $600. Hospital Helper: Berminghan, Mary, $180. Clerk: Birmingham, Mary A., $600. Trained Nurse: Blattner, Leanora, $900. Clerks: Bliss, Leon, $600; Bodine, Caroline C., $600. Hospital Helper: Boche, Charles, $480. Trained Nurse: Booth, Mary A., $600. Hospital Helper: Bradford, Florence, $240. Trained Nurse: Brandsema, Julia L., $600. Hospital Helpers: Breen, Bernard M., $180; Brennan, Thos. J., $240; Brennan, Peter, $240. Ex. Char. Inst.: Broadhead, Frances, $1,200. Fireman (Temp. Emerg.): Brodie, John. $3 per day. Hospital Helper: Brooks, Bessie, $180. Ex. Char. Inst.: Butler, Elizabeth A., $1,200. Hospital Helper: Campbell, Charles, $180. Trained Nurse: Cederroth, Lillian, $600. Hospital Helper: Chamley, Otto D., $300. Ex. Char. Inst.: Chapman, Preston B., $1,200; Christensen, Peter C. W., $1,200. Hospital Helper: Ciocco, Annie, $240. Ex. Char. Inst.: Clare, Anna A., $1,200. Asst. Pharmacist: Clayton, George F., $720. Clerk: Collins, Irene, $600. Ex. Char. Inst.: Collins, Ruth E., $1,200. Hospital Helpers: Comeskey, Patrick, $240; Condon, James F., reappointed, $180; Conlon, Martin, $240; Conrad, Arthur C., $240. Trained Nurses: Conway, Eleanor, $600; Cooney, Mary R., $600; Hospital Helpers: Corcoran, Mary V., $300; Crawford, Lizzie, $240; Cray, Kate, $180. Stenographer and Typewriter: Crean, Ida M., $600. Hospital Helper: Croghan, Paul, $180. Trained Nurse: Culey, Pearl, $600. Hospital Helpers: Cullen, Raymond, $360; Dahl, Gustav, $240. Trained Nurses: Danielson, Bessie W., $600; Darling, A. Orlene, $600. Hospital Helpers: De Blanck, Bruno, $240; Delancy, David, $240; Delea, Katherine, reappointed, $240. Trained Nurse: Devanie, Loretta J., $600. Clerk: Diamond, Celia, $600. Hospital Helpers: Doherty, Thomas, $240; Drischell, J., $360; Driscoll, Bridget, $192. Ex. Char. Inst.: Dunham, H. Brooks, $1,200. Hospital Helpers: Duning, Thomas, $240; Dunn, Joseph, $240; Egan, Gretta, $240; Ellis, James, $180. Ex. Char. Inst.: Evans, Ethel R., $1,200. Hospital Helpers: Fannon, Michael, $180; Faulder, George B., $240; Fencel, Louis, $180; Ferruggia, Mary, $180. Ex. Char. Inst.: Fisher, Jennie G., $1,200. Hospital Helpers: Fitch, Wm. L., $240; Flood, Wm. B., $180. Ex. Char. Inst.: Flynn, Clara B., $1,200. Hospital Helpers: Flynn, David, $180; Fogg, Henry (Harry), $240. Machinist: Gandenberg, Alfred, $4.50 per day. Stenographer and Typewriter: Garner, Ellen, $720. Ex. Char. Inst.: Gebhardt, Mrs. Hildegrade B., $1,200. Clerk: Gentile, Margaret, $600. Hospital Helper: Gilbride, Wm. J., $180. Supervisor, 2nd Asst.: Gildea, Catherine M., $600. Hospital Helper: Gillette, Kate, $180. Ex. Char. Inst.: Gleason, Catherine G., $1,200. Hospital Helper: Gloystein, Walter, $240. Lic. Fireman (Temp. Emerg.): Goff, John J., $3 per day. Ex. Char. Inst.: Goodman, Lillian, $1,200. Hospital Helper: Goodwin, Joseph, $180. Ex. Char. Inst.: Gordon, Martha C., $1,200. Hospital Helper: Gordon, Peter, $240. Clerk (Temp. Emerg.): Grant, Marion, $600. Trained Nurse: Gray, Mary R., $600. Ex. Char. Inst.: Gretsch, Henry M., $1,200. Hospital Helpers: Grunewald, Caroline, $216; Gsellman, Frank, $240; Guinee, Joseph, $180. Ex. Char. Inst.: Gundersdorff, Arthur F., $1,200. Electrician, Hage, Alfred, $4.80 per day. Hospital Helpers: Haines, George, $240; Halifax, Lucy, $240. Ex. Char. Inst.: Hallahan, Mary, $1,200; Halloway, Lucie, $1,200. Stenographer and Typewriter, Hannigan, Mabel, $600. Hospital Helpers: Hanson, Hans, $240; Harmon, James H., $240; Harte, Sadie, $300; Healey, Bertha, $240. Stenographer and Typewriter: Hegarty, Sallie, $720. Hospital Helper: Hildebrand, Julius, $240. Clerk: Hochenberg, Milton, $600. Hospital Helper: Hogan, Patrick, $240. Ex. Char. Inst.: Holman, Edith, $1,200. Hospital Helper: Holmes, Charlotte, $180. Attendant: Houston, Gene, $360. Hospital Helpers: Hunt, Mary E., $180; Hurley, John, $180. Ex-Char. Inst.: Irvine, Florence B., $1,200. Hospital Helpers: Jacks, John F., $360; Johnson, August, $180. Trained Nurse: Johnson, Cecelia, $600. Hospital Helper: Joyce, Walter, $240. Clerk: Kalstein, Adolph, $600. Hospital Helpers: Kane, Michael, $300; Kaufman, Oscar, $240; Keegan, Lizzie, $180. Clerk: Kelly, Edward, $600. Pupil Examiner: Kelly, Edward D., $480. Nurse: Kennedy, Bernadita, $900. Hospital Helper: Kennedy, Harold M., $240. Clerk: Kiernan, Cecelia, $600. Hospital Helpers: Kilian, Christina, H., $420; Kirkwood, Irvine, $240. Trained Nurse: Knowlton, Edith M., $600. Clerk: Lamont, William, $600. Ex. Char. Inst.: Landy, George, $1,200. Hospital Helper: Lauerwalde, Peter, Hospital Helper: $240. Licensed Firemen: Lang, Charles, $3 per day. Hospital Helper: Lannin, Helen, $480. 2nd Grade Clerk: Lantry, Sadie V., $600. Clerk: Larose, Andrew, $600. Electrician: Lawler, Joseph, $4.80 per day. Trained Nurse: Lavoie, Leilia E., $600. Hospital Helpers: Lee, Margaret, $240; Lee, Martha, $240; Leudzion, Anna, $240. Head Cook: Lewis, John, $780. Ex. Char. Inst.: Litvak, Abraham M., $1,200; Loeb, Elsa R., $1,200. Hospital Helpers: Loomis, Frank R., $300; Ludwig, Frank, $180; Lyons, John, $240; Mack, Joseph, $240; Madden, James, $180; Martin, Florence, $480; Martin, Mickel, $300; Marts, Augustus, $240. Ex. Char. Inst.: Maruchess, Boris, $1,200; Mayfield, Charline E., $1,200. Electrician: Middleton, George, $4.50 per day. Hospital Helpers: Miller, Elizabeth, $240; Miller, Wm. J., $240. Stoker: Monahan, Peter, $3 per day. Trained Nurse: Moretti, Rosella, $600. Hospital Helpers: Morse, Charles, $240; Mulhearn, Mary, $240; Mullan, Frank J., $240; Mulvey, John F., $240. Clerk: Munro, Martha, $600. Hospital Helper: Murphy, Bridie M., $360. Mason: Murphy, Edward J., $4.50 per day. Hospital Helper: Murray, James, $180. Trained Nurse: McCabe, Josephine A., $600. Ex. Char. Inst.: McCann, Elizabeth, $1,200. Station Engineer: McCarron, Felix J., $4.50 per day. Stenographer and Typewriter, McConnin, Winifred C., $600; Hospital Helper: McHugh, James, $180. Trained Nurse: McMahon, Theresa, $600. Hospital Helpers: McManus, Mary, $240; McNamee, Michael, $240. Stenographer and Typewriter: Naeder, Julia A., $1,200. Hospital Helpers: Noonan, James, $180; O'Brien, John J., $240; O'Connell, John, $180; O'Connell, Joseph P., $300; O'Connell, Mary, $180; O'Connell, William, $180; O'Connor, Edward T. $240; O'Connor, John M., $180; O'Connor, Thomas J., $240; O'Donnell, William, $240; O'Donnell, William, $180; O'Grady, Cathrine, $240. Ex. Char. Inst.: O'Grady, Amy T., $1,200. Hospital Helpers: O'Leary, Patrick, $180; O'Neil, Lillie, $180; O'Neill, Peter B., $300; O'Reilly, Charles, $216. Trained Nurses: Osborne, Alice M., $600; O'Sullivan, Annie, $600. Electrician: Owens, Thomas, $4.80 per day. Hospital Helper: Page, Harlan, $360. Ex. Char. Inst.: Parlato, Salvatore E., $1,200. Hospital Helper: Pecoraro, H., $240. Trained Nurse: Porter, Edith, $600. Hospital Helpers: Porter, Emery F., $240; Porter, Florence, $480. Ex. Char. Inst.: Price, Walter R., $1,200. Hospital Helper: Quinn, John J., $180. Trained Nurse: Quinn, Margaret, reappointed, $600. Ex. Char. Inst.: Reamer, Matilda H., $1,200. Stenographer and Typewriter: Reardon, Irene V., Mrs., $1,200. Hospital Helpers: Reid, Bessie, $240; Reilly, Joseph, $240; Renstrem, Annie, $240; Ritchie, James H., $300. Ex. Char. Inst.: Robins, Ida May, $1,200. Hospital Helpers: Robinson, Constance, $300; Rooke, Alfred, $180. Ex. Char. Inst.: Rorty, Eva W., $1,200; Rothschild, Max, $1,200. Clerk: Rutherford, Ida, $600. Hospital Helpers: Ryan, Joseph, $240; Saac, Gustav M., $480; Sartoris, Hannah, $240; Selleck, Arthur W. D., $360. Ex. Char. Inst.: Sherman, Mrs. Bernardine, $1,200. Hospital Helpers: Smith, Blanche, $180; Smith, Dorothy, $240; Smith, Edward, $180. Stenographer and Typewriter: Smith, Eliz. J., $750. Ex. Char. Inst.: Smith, Gertrude E., $1,200. Hospital Helper: Smith, Joseph H., $240. Ex. Char. Inst.: Spalletta, Matthew, $1,200. Station Engineer: Steigerwald, John J., $4.50 per day. Hospital Helper: Stoddard, John, $240. Ex. Char. Inst.: Stroub, Pauline, $1,200. Machinist: Stryker, Jesse D., $4.50 per day. Hospital Helpers: Sullivan, John, $300; Taylor, Mary, $180; Thompson, Edward F., $480. Ex. Char. Inst.: Tinney, Mary C., $1,200. Physician: Tjonesland, Annato, $1,000. Ex. Char. Inst.: Tobey, Mrs. Laura C., $1,200. Hospital Helpers: Topalian, John, $240; Torbyn, Anna, $240; Tosley, William, $240; Vanderhoof, John H., $180; Vanderhoff, John, $180. Ex. Char. Inst.: Van Hook, Mrs. Mary J., $1,200. Hospital Helper: Walsh, James, $180. Ex. Char. Inst.: Wallace, Anna, $1,200. Hospital Helpers: Wallace, Margaret, $180; Walsh Patrick, $240; Walsh, Richard, $120. Ex. Char. Inst.: Weeks, Estelle T., $1,200. Hospital Helper: Weifs, Richard, $240. Licensed Fireman: White, John, $3 per day. Ex. Char. Inst.: Willbach, Harry, $1,200. Mate: Will, William L., $900. Hospital Helper: Wilmot, Grace, $180. Trained Nurse: Wilson, Frank V., $600. Ex. Char. Inst.: Wise, Nellie, $1,200. Hospital Helper: Wright, Frances, $216. Trained Nurse: Zdankiewicz, Sophie, $600. Ex. Char. Inst.: Gundersdorff, Arthur F., $1,200.

Resignations — Hospital Helpers: Adams, Edward, $240; Azzoro, Rose T., $240; Burke, William, $240. Trained Nurse: Cederroth, Lillian, $600. Hospital Helper: Chapman, Thomas H., $180. Ex. Char. Inst.: Collins, Ruth E., $1,200. Hospital Helpers: Cunningham, Bertram L., $300; Drangel, Albert, $240. Ex. Char. Inst.: Evans, Ethel R., $1,200. Hospital Helpers: Faulkner, Thomas A., $240; Fennelly, John, $240; Flanagan, Peter, $180; Fragen, Magee, $240; Gilbride, Wm. J., $180; Gillen, Charles, $180. Ex. Char. Inst.: Halloway, Lucie, $1,200. Visitor: Heaton, Elizabeth A., $1,000. Trained Nurses: Hedges, Ethel, $500; Hogan, Mary, $600. Stenographer and Typewriter: Hooper, Chauncey M., $750. Hospital Helpers: Horgan, John J. D., $360; Huber, Fred, $300; Kaiser, John F., $240; Kelly, John, $180; Kelly, Wiliam, $216. 1st Asst. Alienist: Kemp, Henry W. S., $1,800. Hospital Helpers: Kennedy, Edmond, $240; LeClaire, Mary H., $240; Luschnitz, Hans, $240; Malley, Frank, $240. Ex. Char. Inst.: Mayfield, Charline E., $1,200. Hospital Helper: Millard, Algernon W., $240. Trained Nurse: Moore, Kathleen, $600. Hospital Helpers: Morehouse, Cecil G., Dr., $300; Mullen, John, $240; McClean, Oliver, $240; McLean, Joseph H., $180; McSweeney, Mary, $240; Olsen, Andrew, $240; Paul, Voyle A., $240; Quinn, Bridie, $180; Quinn, Wm. B., $240; Reynolds, Chas. J., $240; Schnetzer, Eva M., $240. Trained Nurse: Tappin, Alice M., $600. Hospital Helper: Thomas, Hollis S., $360. Tinsmith: Thomas, Russel W., $5 per day. Hospital Helpers: Thornley, Martha, $240; Warner, George C., $240; Wilson, George W., $180; Yaeger, Jno. F., $240.

Dropped — Hospital Helpers: Burke, Thomas, $180; Byrnes, Thomas M., $180; Byron, Annie M., $480. Stat. Eng.: Cassidy, Patrick, $4.50 per day. Hospital Helpers: Cody, Gladys, $240; Corcoran, Anna, $180. Stat. Eng. (Temp.): Cosgrove, Patrick, $4.50 per day. Hospital Helper: Dalton, Michael, $180. Trained Nurse: Devanie, Loretta J., $600. Driver: Divinney, Patrick, $800. Stoker: Donovan, John, $3 per day. Trained Nurse: Dunnigan, Jennie B., $600. Ex. Char. Inst.: Fisher, Jennie G., $1,200. Hospital Helpers: Freel, Joseph, $300; Gallagher, James, $180; Gorman, Bridget, $180; Goodwin, Albert, $180; Gormley, John, $240. Fireman (Temp): Grace, Harry, $3 per day. Hospital Helpers: Haggerty, Thomas, $180; Hamilton, Daniel, $180; Hawthorne, Fanny, $180; Hazlewood, Kate, $180; Horn, Delia, $240; Hull, John J., $240; Kavanagh, James J., $180; Kennedy, Frank B., $180; Kennedy, Frank, $240; Landers, Maurice, $180; Lane, Ellen, $144; Lathrop, John, $360; Mayer, Jennie, $240; McCarthy, Daniel J., $300. Engineer: McElearney, Eugene, $4.50 per day. Hospital Helpers: O'Mara, Michael, $180; O'Neill, Bridget, $180. Trained Nurse: Quinn, Margaret, $600. Janitress: Reilly, Jennie A., $750. Hospital Helpers: Reilly, Joseph, $240; Ripley, Eugene S., $240; Robinson, John, $180; Roddy, Mary, $180; Rodgers, Michael J., $180; Sexton, Thomas, $180. Fireman: Sherman, Ernest, $3 per day. Hospital Helpers: Sims, Mary, $180; Sullivan, Hannah, $180; Taylor, Mary, $180; Urison, May, $180; Williams, Jennie, $240; Woods, Margaret, $180.

Promotions—Hospital Helpers: Aivazian, George, from $240 to $300; Carney, Margaret, from $240 to $300; Corey, Mary, from $144 to $180; Flanagan, Gertrude, from $360 to $480; Frink, Sophrana, from $120 to $180; Gill, John, from $180 to $240; Graham, William, from $120 to $180; Hardcastle, Tillie, from $216 to $240; Hillier, May, from $180 to $240; Kane, Mary, from $240 to $300. Engineer: Langan, Walter, from $3.50 per day to $1,350. Hospital Helpers: Mills, George, from $240 to $300; McDermot, Julia, from $216 to $264; McNiff, Catherine, from $192 to $240; Newson, Eliza, from $180 to $216; Poppe, Meta, from $240 to $300; Skidmore, Nellie M., from $480 to $720; Sweeney, Frank, from $180 to $240; Whyte, William, from $180 to $240.

Salary Decreased—Auditor (Expert to Bookkeeper): Broad, Gordon F., from $2,500 to $1,650. Clerk: Clark, Thomas W., from $1,050 to $900. Stenographer and Typewriter: Mendelson, Katherine, from $1,200 to $600. Hospital Helper: Sexton, Mary, from $300 to $240.

Contracts Awarded—Karl Vesterdahl & Company, 90 West St., N. Y. C. The installation of an additional Ice Making Tank, Ice Storage Box and Ice Slide, etc., in the Kitchen and Dining Hall Building, City Hospital District, Blackwells Island, $3,500. Surety, $2,000.

J. McKEE BORDEN, Secretary.

Fire Department.

Abstract of transactions from July 20 to July 25, 1914:

JULY 20.

Appointed—Ununiformed Firemen to be Fourth-grade Firemen at $1,000 per annum with assignments specified: To take effect 8 a. m., July 21, 1914—Bernard M. Hemmes, Eng. Co. 6; Mathew Johnston, Jr., Eng. Co. 42; William Eidenweil, Eng. Co. 50; Joseph A. Hoey, Eng. Co. 220; Francis Canavan, H. & L. Co. 20; James J. Hogencamp, H. & L. Co. 43. To take effect 8 a. m., July 22, 1914—James D. Mayne, Eng. Co. 76; Francis A. Travis, Eng. Co. 237; Walter R. Bender, Eng. Co. 257; George Friton, Jr., H. & L. Co. 28; William Osterburg, Jr., H. & L. Co. 103; John J. Robinson, H. & L. Co. 104; John W. Hoffkoss, H. & L. Co. 118. To take effect 8 a. m., July 23, 1914—Henry G. Lauterback, Eng. Co. 25; Frank L. Maixner, Eng. Co. 33; Andrew M. Miny, Eng. Co. 33; Dennis E. Barry, Eng. Co. 216; Felix M. Loughren, Eng. Co. 218; William Nikl, Eng. Co. 221; Peter J. S. Anderson, Eng. Co. 224; Michael J. J. Tierney, Eng. Co. 226; James Dea, H. & L. Co. 1; Harry K. Ness, H. & L. Co. 4.

Transferred—To take effect 8 a. m., July 22, 1914: Engineer of Steamer Thomas J. Brown, Eng. Co. 21 to Eng. Co. 78; Fireman James F. Roche, No. 2 (detailed as Messenger to Deputy Chief, 7th Division), from Eng. Co. 41 to Eng. Co. 79; Fireman John Melia (detailed as Messenger to Marine and 8th Divisions), from Eng. Co. 42 to Eng. Co. 79; Fireman Scott Porter (detailed as Messenger to Deputy Chief 1st Division), from Eng. Co. 73 to Eng. Co. 9. Fireman William Kraft (detailed as Messenger to Deputy Chief 6th Division) from H. & L. Co. 40 to H. & L. Co. 47; Lieut. James T. McGrath, H. & L. Co. 123 to H. & L. Co. 108.

Retired—To take effect 8 a. m. July 21, 1914: Fireman Richard Lawlor, Eng. Co. 78, on annual pension of $700.

Fires Reported—Manhattan, Bronx and Richmond, 122; Brooklyn and Queens, 79.

Appointed—to take effect 8 a. m. July 21, 1914: William J. Doyle as Wireman, Bureau of Fire Alarm Telegraph, Manhattan, at rate of $1,200 per annum.

JULY 22.

Retired—To take effect 8 a. m. August 1, 1914: Fireman Henry Kranz, Eng. Co. 49, on annual pension of $700.

Bills Audited—Open market orders, $1,987.18 and $607.36; contracts, $10,639.63.

JULY 23.

Appointed—To take effect 8 a. m., July 23, 1914: Frank A. Flynn as Telephone Operator, Bureau of Fire Alarm Telegraph, Manhattan, for a probationary period of three months, at rate of $720 per annum.

Droped from the Rolls—To take effect 8 a. m. July 23, 1914: Ununiformed Firemen Edward C. Seaman, Eng. Co. 209, and George C. Bressert, Eng. Co. 233 (each appointed for a probationary period of three months) as in the judgment of the Fire Commissioner they would not make satisfactory members of the uniformed force.

Bills Audited—Open market orders, $526.65 and $402.30.

Payrolls, all boroughs, month of July, 1914, aggregating $718,162.55, duly audited, were this day forwarded to the Department of Finance.

JULY 24.

Transferred—To take effect 8 a. m. July 25, 1914: Fireman Michael V. Corbett, Eng. Co. 33 to Eng. Co. 48; Fireman John L. McCormack, Eng. Co. 46 to H. & L. Co. 46; Fireman Alfred J. Reynolds, H. & L. Co. 35 to H. & L. Co. 44.

Retired—To take effect 8 a. m. July 25, 1914: Engineer of Steamer Frank Von Derlin, Eng. Co. 248, on annual pension of $800. To take effect 8 a. m. August 1, 1914: Captain James W. Byrnes, Eng. Co. 232, on annual pension of $1,250.

JULY 25.

Bills Audited—Contracts, $22,569.21.

ROBERT ADAMSON, Fire Commissioner.

Department of Street Cleaning.

Report for Week Ended June 20, 1914.

Incumbrances on hand June 13, 1914, 193; seized during the week, 126; total, 319; redeemed, 117; on hand June 20, 1914, 202.

Moneys Transmitted to the City Chamberlain—For removal of garbage, $5,208.33; for redemption of incumbrances, $192.55; for picking privileges, $1,501.60.

Bills and Pay Rolls Transmitted to the Comptroller—Contracts, $57,036.53; miscellaneous, $3,862.48; pay rolls, $83,506.48.

Loads of Material Collected.

	Manhattan.	Bronx.	Brooklyn.
Ashes	27,326	2,362	10,393½
Garbage	4,851½	1,270¾	3,321
Rubbish	5,223	753	4,094½
Total	37,400½	4,385¾	17,809

J. T. FETHERSTON, Commissioner.

LAW DEPARTMENT.

The following schedules form a brief extract of the transactions of the office of the Corporation Counsel for the week ending July 18, 1914, as required by section 1546 of the Greater New York Charter.

Note—The City of New York, or the Mayor, Aldermen and Commonalty of the City of New York, is defendant, unless otherwise mentioned.

SCHEDULE "A."

Suits and Special Proceedings Instituted.

Court.	Register and Folio.	When Commenced.	Title.	Nature of Action.
Supreme...	102 183	July 13, 1914	Peck, Julia B. (Matter of)	For order dispensing with lost mortgage.
Sup., K. Co.	102 185	July 13, 1914	Burns, Patrick J.....	Summons only served.
Sup., K. Co.	102 186	July 13, 1914	Donnelly Co., J. R....	Summons only served.
Sup., K. Co.	102 187	July 13, 1914	Wilkinson & Co., Claude J.	Summons only served.
Supreme...	102 188	July 13, 1914	Kalfus, Isidor (Matter of) (No. 1).....	For order dispensing with lost mortgage.
Supreme...	102 188	July 13, 1914	Kalfus, Isidor (Matter of) (No. 2).....	For order dispensing with lost mortgage.
Supreme...	102 189	July 13, 1914	City of New York vs. Aaron Herzberg	To recover over-payment on award for parcels 5 and 6, Manhattan Bridge Proceeding, $443.67.
U. S. Dist..	Bkt 357	July 13, 1914	Marcus Woodworking Co., J. (Matter of)...	Bankruptcy proceeding.
Supreme...	102 190	July 13, 1914	Kobler, Sidney G. (ex rel.), vs. Katherine Bement Davis, etc...	Mandamus to compel reinstatement as Keeper, Dept. of Correction.
Surrogates.	102 191	July 14, 1914	Heiser, Eugene, adm'r (Matter of)	For order declaring estate exempt from payment of transfer tax.
U. S. Dist..	Bkt 358	July 14, 1914	Montague & Gillet, Inc. (Matter of)	Bankruptcy proceeding.
U. S. Dist..	Bkt 358	July 14, 1914	Bachelet Magnetic Wave Co., Inc. (Matter of).	Bankruptcy proceeding.
U. S. Dist..	Bkt 359	July 14, 1914	Schroeder, George (Matter of)	Bankruptcy proceeding.
Sup., K. Co.	102 191	July 14, 1914	Butler, Willard P., and ano., ext'rs, etc., vs. John E. Sullivan Co. et al.	To foreclose mortgage.
Sup., K. Co.	102 192	July 14, 1914	Gallagher, Mary A., vs. Ida Goetz et al.....	To foreclose mortgage.
Sup., K. Co.	102 192	July 14, 1914	Gilsey, Alice, vs. Profit Holding Co. et al....	To foreclose mortgage.
Supreme...	102 193	July 14, 1914	Sanger, Louis R. P., vs. Michael Power et al..	To foreclose mortgage.
U. S. Dist..	Bkt 359	July 14, 1914	Burr, William A., individually, etc. (Matter of)	Bankruptcy proceeding.
Sup., Q. Co.	102 194	July 14, 1914	Theurer, Emma E., and ano. (ex rel.) vs. William A. Prendergast and ano.	Mandamus to compel acceptance of $12 in full payment of lien, etc.
Before Commr. of Education, State of N. Y.	102 195	July 14, 1914	Griswold, Carolyn W., vs. Bd. of Education.	To review dismissal from position of teacher in Curtis High School, Richmond.
Supreme...	102 196	July 14, 1914	Asphalt Paving & Contracting Co.	To recover retained percentage on contract for paving 18th St., 6th to 7th Aves., $1,132.98.
Supreme...	102 197	July 14, 1914	Crawford, William, vs. John Curcio et al....	To foreclose mortgage.
Supreme...	102 197	July 14, 1914	Dow, Emily S., vs. James M. Motley et al.	To foreclose mortgage.
Municipal..	102 198	July 14, 1914	Slonov, Samuel, vs. Thomas F. O'Connor, etc.	To recover motorcycle in possession of defendant, $75.
Sup., Bx. Co.	102 199	July 14, 1914	Moses, L. Josephine, vs. Elisha G. Delchow et al.	To foreclose tax lien.
Co., K. Co..	102 199	July 14, 1914	Wisch, Bessie, vs. Sgnare Building Co. et al...	To foreclose mortgage.
Sup., K. Co.	102 200	July 14, 1914	Hague, Oscar A. J. (ex rel.), vs. Arthur Woods, etc.	Certiorari to review dismissal from Police Dept.
Municipal..	102 201	July 15, 1914	Mare, Antonio	For loss of services of wife, injured, fall, snow and ice, Liberty Av., Bk., $130.
Supreme...	102 202	July 15, 1914	Carvel, Richard (Matter of)	For order dispensing with lost mortgage.
Sup., K. Co.	102 202	July 15, 1914	Hammill, Marguerite Fay, ext'x, vs. Annie Wolpoll et al.....	To foreclose mortgage.
Supreme...	102 203	July 15, 1914	Hunter, Samuel E.....	For breach of contract for furnishing potatoes to Dept. of Correction, $1,521.
Supreme...	102 204	July 15, 1914	Powell, Wilson M., and ano., trustees of Francis H. Macy, dec'd, vs. Harry Rosenwasser et al.....	To foreclose mortgage.
Supreme...	102 205	July 15, 1914	Bottjer, Herman (ex rel.), vs. George McAneny et al.....	Certiorari to review revocation of license as auctioneer.
Supreme...	102 206	July 15, 1914	Eastern Asphalt Paving Co.	For breach of contract for paving McKeon and other streets in Richmond, $9,000.
Supreme...	102 207	July 16, 1914	Robertson, Louisa V., vs. City of N. Y. and ano.	Personal injuries, struck by Fire Dept. buggy, 125th St. and Lenox Av., $25,000.
Supreme...	102 208	July 16, 1914	Friedman, Harry, adm'r.	For death of son, struck by Street Cleaning cart, E. 80th St. and 1st Av., $20,000.
Sup., Q. Co.	102 209	July 16, 1914	Clark, Rose A., adm'x..	Summons only served.
Sup., Q. Co.	102 210	July 16, 1914	Urban Water Supply Co. (ex rel.) vs. Maurice E. Connolly, etc.....	Mandamus to compel issuance of permit to lay mains through Laurel Hill Av. and other streets.
Sup., K. Co.	102 211	July 16, 1914	Chrystal, Frances M., adm'r, vs. City of New York et al.....	For death of husband, thrown from truck, Rush St. and Kent Av., Bklyn., $25,000.
Supreme, App. Div...	102 212	July 16, 1914	Tenement House Department of City of New York vs. Lucy A. McDevitt	To recover penalty for violation of Tenement House Law.
Supreme...	102 213	July 17, 1914	Leow, Samuel (ex rel.), vs. J. T. Fetherston, etc.	Mandamus to compel reinstatement as Driver, Street Cleaning Dept.
Sup., K. Co.	102 214	July 17, 1914	Hammer, Nora Loretta.	Personal injuries, fall, defective crosswalk, 86th St. and Bay 35th St., Bk., $10,000.
Sup., K. Co.	102 215	July 17, 1914	Hammer, Edward J....	For loss of services of wife, injured, fall, 86th St. and Bay 35th St., Bk., $5,000.
Supreme...	102 216	July 17, 1914	Fifth Avenue Investing & Improvement Co...	To recover excess payment for permit for plumber's opening.
Sup., Bx. Co.	102 217	July 17, 1914	Ostrowe, Anna F., vs. Florine Evesson et al.	To foreclose tax lien.
Sup., Bx. Co.	102 218	July 17, 1914	Hansen, Henry (Matter of)	For order dispensing with lost mortgage.
Sup., Bx. Co.	102 219	July 18, 1914	Kalinsky, David	Personal injuries, struck by bolt falling from Williamsburgh Bridge while walking on Sheriff St., $3,000.
Supreme...	102 220	July 18, 1914	Brinckerhoff, Theodore T., et al. vs. Eva Cohen et al.....	To foreclose mortgage.

SCHEDULE "B."

Judgments, Orders and Decrees Entered.

In re Pauline Mayer—Order entered granting motion to cancel tax lien issued to Daniel Eichner.

Joseph Haag et al.—Entered ordered discontinuing action without costs.

Bartholomew Dunn—Entered order dismissing action for lack of prosecution.

New York Railways Co. vs. W. A. Prendergast et al.; William T. Emmet, Superintendent of Insurance vs. Same—Entered Appellate Division orders affirming judgments in favor of defendants with costs.

People ex rel. Anthony McQuade vs. J. M. Morrow et al.—Entered Appellate Division order unanimously affirming order denying motion for mandamus, but without prejudice to new application.

Jennie P. Stuart vs. City of New York et al.; Robert W. Stuart vs. Same; entered orders discontinuing actions without costs.

People ex rel. John H. Tracey vs. F. Gallagher et al.—Entered order permitting relator to withdraw motion for mandamus.

James McDermott—Judgment entered in favor of defendant for $30.91 costs.

Ellen Feeney—Judgment entered in favor of defendant for $17.65 costs.

John Grady—Entered order discontinuing action without costs.

James J. Lowery—Order entered granting plaintiff's motion for judgment overruling demurrer with leave to defendant to withdraw same, and answer upon payment of costs.

Angelo Gagliano—Entered order denying motion to set aside verdict in favor of defendant.

Ida Weisman—Entered order setting aside verdict in favor of defendant and granting defendant's motion to dismiss complaint.

John Razinas vs. A. H. Woods et al.—Entered order denying motion for injunction pendente lite.

John Kelly Plumbing and Contracting Co.—Judgment entered in favor of defendant for $17.22 costs.

Aaron Kahn (No. 2).—Order entered discontinuing action without costs.

Edward Halford, an Infant—Entered judgment in favor of defendant dismissing complaint, without costs.

Ida Weisman—Entered judgment in favor of defendant dismissing the complaint and for $133.35 costs.

People ex rel. Olaf Johnson vs. F. J. H. Kracke—Entered order denying motion for mandamus, without prejudice to renewal for purpose of explaining laches.

Douglas Robinson, Receiver—Filed findings of fact and conclusions of law of Hand, J., directing judgment sustaining demurrer and dismissing complaint.

John T. Williams—Judgment entered in favor of defendant for $27.41 costs.

In re. Northern Bank—Entered Appellate Division order granting City of New York leave to appeal to Court of Appeals and certifying questions of law for review.

People ex rel. New York Central & Hudson River Railroad Co. vs. L. Purdy et al. (Omitted 1912 and 1913)—Orders entered cancelling assessments on all bridges over tracks, except bridge over Jackson ave., on Port Morris Branch.

People ex rel. Mary Hazelton vs. L. Purdy et al. (1914)—Entered order discontinuing proceeding without costs.

William T. Bishop vs. Board of Education—Entered order dismissing action for lack of prosecution, with costs to defendant.

Newtown Gas Co.—Entered order discontinuing action without costs.

Judgments Were Entered in Favor of the Plaintiffs in the Following Actions.

Date.	Name.	Register and Folio.		Amount.
1914.				
July 17	Brush, Abbot P.	88	393	$86 49
May 22	Scully, Joseph	97	159	27 40
June 4	Topping, Bertha, infant, etc	74	207	2,648 08
June 30	Schulum	101	268	451 07

SCHEDULE "C."
Record of Court Work.

William T. Bishop vs. Bd. of Education—Motion to dismiss action for lack of prosecution, submitted to Donnelly, J. Decision reserved; C. McIntyre for the City. "Motion granted."

Peo. ex rel. Henry W. Rosenberg vs. R. Waldo—Motion for peremptory writ of mandamus on findings of Trial Term, submitted to Donnelly, J. Decision reserved; A. Sweeny for the City. "Motion granted."

Peo. ex rel. Henry Cardos vs. W. H. Edwards—Motion for order directing defendant to file a further return, submitted to Donnelly, J. Decision reserved; C. J. Nehrbas for the City. "Motion denied."

Peo. ex rel. Regent Construction Co. vs. L. Purdy et al. (1911 and 1913)—Motion to retax defendants' bill of costs, argued before Donnelly, J. Decision reserved; J. R. Salmon for the City. "Motion denied."

In re Agnes G. Gallagher—Motion for order directing Register to discharge mortgage ,submitted to Donnelly, J. Decision reserved; G. H. Cowie for the City. "Motion granted."

Somerville Realty Co. vs. City of N. Y., et al.—Motion to continue injunction pendente lite, argued before Maddox, J., and granted; E. S. Malone for the City.

In re Isidor Kalfer (2 motions)—Motions for orders directing Register to discharge mortgage, submitted to Donnelly, J. Decision reserved; G. H. Cowie for the City. "Motion denied."

In re Richard Carvel—Motion for order directing Register to discharge mortgage, submitted to Donnelly, J. Decision reserved; G. H. Cowie for the City. "Motion granted."

Hearings Before Commissioners of Estimate in Condemnation Proceedings.

Rapid Transit (Bronx River and Devoe St.); Rapid Transit (Walton Ave.), 3 hearings each; Rapid Transit (135th St. and Harlem River), 2 hearings; Rapid Transit (42nd St. and 1st Ave.), 1 hearing; H. W. Mayo for the City.

Rapid Transit (Joralemon St.), 2 hearings; E. J. Kenney, Jr., for the City.

SCHEDULE "D."
Contracts, Etc., Drafted, Examined and Approved as to Form.

Department.	Contracts Approved as to Form.	Contracts Examined and Returned for Revision.	Advertisements Approved as to Form.
Board of Education	42	..	..
Borough Presidents	14	..	2
Police Department	4	..	1
Dock Department	3	..	1
Department of Water Supply, Gas and Electricity	3	..	2
Public Service Commission	3	..	1
Health Department	2	..	1
Armory Board	2	..	1
Park Department	1	..	1
Department of Public Works	1	..	1
Public Recreation Commission	..	1	..
Total	75	1	11

Bonds Approved.

Finance Department	5
Borough Presidents	3
Total	8

Leases Approved.

Board of Education	2

Agreements Approved.

Public Service Commission	1

SCHEDULE "E."
Opinions Rendered to the Various Departments.

Department.	Number of Opinions Rendered.	Department.	Number of Opinions Rendered.
Finance Department	34	City Clerk	1
Borough Presidents	3	Department of Correction	1
Board of Water Supply	3	Board of Education	1
Board of Estimate and Apportionment	2	Dock Department	1
Park Department	2	Department of Charities	1
City Chamberlain	2	Police Department	1
Fire Department	2	Attorney General	1
Department of Taxes and Assessments	1	Department of Water Supply, Gas and Electricity	1
Municipal Civil Service Commission	1	Total	58

FRANK L. POLK, Corporation Counsel.

FIRE DEPARTMENT.

Bureau of Fire Prevention.

LIST OF REQUIREMENTS.

Week Ending August 8th, 1914.

CLASSIFICATION:

A—Auxiliary fire appliances.
B—Fire escapes.
C—Fireproofing and structural alterations.
D—Fire alarm and electrical installations.
E—Obstructions of exits.
F—Exits and exit signs.
G—Fireproof receptacles and rubbish.
H—"No smoking."
I—Diagrams on programs and miscellaneous.
J—Discontinue use of premises.
K—Volatile inflammable oils and explosives.
L—Certificates and miscellaneous.
M—Dangerous condition of heating or power plants.
O—Discontinue use of oil lamps.
S S—Standpipes and sprinklers.
D R—Fire drills.

Premises.	Order No.	Issued Against.	Classification.
Manhattan.			
128th St. and Amsterdam Ave	7307LC	Bernheimer & Schwartz Pilsener Brewing Co.	L
128th St. and Amsterdam Ave	7308LC	Bernheimer & Schwartz Pilsener Brewing Co.	H-A
133-35 Amsterdam Ave	7322LC	Foreign & Domestic Auto. Repair	H-A-G-K
1631 Amsterdam Ave	7324LC	Samuel Derfeur	H-A
1969 Amsterdam Ave	7310LC	M. Rubin	A
2264 Amsterdam Ave	7309LC	Chaleff Bros.	A-H
89 Barclay St	7327LC	Geigy-ter Moor Co	E
131 Bowery	7314LC	Eagle Badge & Button Co	L
191 Bowery	7336LC	R. H. Luthin, Inc	H-A-L
231-33 Bowery	7311LC	New York Brass Turning Co	H-A
25 Broad St	7313LC	General Chemical Co	H-A
1876 Broadway	7339LC	Gallagher Carbureter Co	C-K-H-A-G
1926 Broadway	7338LC	Bryant Motor Service Co	H-O-A
1700 Broadway	7337LC	The Searchlight Co	H-D-C
122-30 Centre St	7350LC	Luxenberg & Haskell	A-G
161 Charles St	7348LC	Ernest G. W. Woerz	A
28 Cliff Street	7340LC	Arthur A. Stilwell & Co	H-A-G
24-28 Downing St	7329LC	Allison & Doughty	H-A-C
134 Duane St	7346LC	Samuel Weinstein	C-H-A-G
566 Eleventh Ave	7271LC	Sam Muller	H-A-G
336 East 6th St	7345LC	Julius Youngner	H-A-G
311-15 East 11th St	7344LC	A. Asen	A-G-K
319 East 38th St	7348LC	Guiseppi Dellacqua	H-C-A
614 E. 83rd St	7342LC	Ford Auto Repair Co	K-A-D-G
171 East 84th St	7341LC	Jacob Kaplan	H-A-G-K
506 East 121st St	7326LC	American Dyeing & Cleaning Co.	C-A-H-G
41st St. and 1st Ave	7362LC	New York Edison Co	H-A
780 First Ave	7315LC	United Dressed Beef Co	G
186-8 Franklin St	7273LC	Bendit, Drey & Co	K
142-44 Front St	7274LC	Geo. A. Haws	H-A
1-11 Gansevoort St	7270LC	Geo. Liss & Co	A
33-43 Gold St	7277LC	Goldsmith, Stern & Co	G
580 Grand St	7273LC	Pildescu & Green	H-A
610 Grand St	7388LC	Henry Slott	H-A
610 Grand St	7332LC	A. Sheth	H-A
627 Greenwich St	7276LC	Kaufman, Pasbach & Voice	A
88 King St	7281LC	Turpsitine Co.	A-K
254 Lafayette St	7282LC	John Collella	H-A-G
1034 Lexington Ave	7283LC	Eliza Guggenheimer	G-H-D-K
987 Columbus Ave	7199LC	S. Schacher	A-G
264 Eighth Ave	7228LC	Abraham Stern	A-G
500-14 Eighth Ave	7229LC	Ludwig Bauman & Co	G
827 Eighth Ave	7230LC	N. Y. Railways Co	L
71-73 Front St	7203LC	Pigot, Sayre Co	A-H
250 Front St	7202LC	Chard & Howe	A-H
47 Fulton St	7212LC	Lucius Pitkin	A-H
71-73 Goerck St	7204LC	Independent Table Co	A-D-G
136 Liberty St	7205LC	Charles A. Bacon	G
363 Ninth Ave	7206LC	Heywood, Strasser and Voigt Litho. Co.	A-G
229 Pearl St	7209LC	Stallman Co.	A-H
259 Pearl St	7207LC	John Maxwell's Son	A
2352-54 Second Ave	7217LC	Frederick J. Maeder	H
731 Seventh Ave	7208LC	Seventh Avenue Garage	A-L-G-C
77 South St	7219LC	W. S. Pendleton, Jr., & Co	H-A
842-44 Tenth Avenue	7222LC	Otto Malinka	A-L
2136 Third Ave	7220LC	Lewis E. Landon	G-H-A
161-3 Water St	7124LC	N. Z. Graves & Co	H-A
236 Water St	7216LC	Jno. H. Lyon & Co	A-H
254 Water St	7214LC	M. H. Dingee & Co	A-H
47 Whitehall St	7226LC	Robert W. Zundel	A-H
58 West 15th St	7200LC	Textile Art Printing & Embroidery Co.	H
150 West 31st St	7201LC	Frank W. Loomis	H-A-G-C
618 West 44th St	7195LC	Peter Ginch	H-A-G-D
604 West 52nd St	7225LC	Moore & Munger Co	E-L-D-A-G-C-O
254 West 54th St	7232LC	Folliot Automobile Co	C-A-D-O-S
254 West 54th St	7211LC	20th Century Welding Co	A-C-O
23 West 64th St	7194LC	New Jersey Welding Works	C-A
474-6 West 159th St	7231LC	Consolidated Gas Co	C
2169 Madison Ave	7304LC	Leonard Bros.	K-H-A-G
69 Murray St	7284LC	Griffin Mfg. Co	H-A-K
28-30 North Moore St	7285LC	Burton & Davis Co	G
14 Pearl St	7312LC	Eagle Lubricating Oil Co	G-A-K
461 Pearl St	7303LC	Major Mfg. Co	O-G-D
552 Pearl St	7286LC	Tower Mfg. & Novelty Co	H
95 Pine St	7306LC	Eastern Oil Co	H
18-20 Platt St	7351LC	Antoine Chiris Co	G-C-L
149-51 Varick St	7328LC	Matchless Metal Polish Co	G-C
188-90 W. Houston St	7319LC	Joseph & Dominick Rovegno	G-A
597 Second Ave	7300LC	A. Heller	A-C
1509 Second Ave	7299LC	Frank Gusenburger	H-A-G-C
158th St. and Sheridan Ave	7325LC	The Pullman Co	A
2 South St	7295LC	Chas. D. Durkee & Co., Inc	H-A
67 South St	7298LC	Morris Feldman	H-A-D
239 Tenth Ave	7294LC	I. P. Frink	G
49 Thomas St	7292LC	Storfer & Co	H-A
50 West Broadway	7321LC	Apex Color Works	H-A-G
74-78 Wadsworth Ave	7290LC	Wadsworth Garage	H-A-L-C
463 West St	7320LC	Western Electric Co	A-K
102-4 West End Ave	7318LC	Lippard Stewart Motor Sales Co.	H-D-G-C
342 West 14th St	7289LC	E. J. Schwabe Co	H-A-G-C
525-31 West 38th St	7335LC	McDermott Dairy Co	H-A-G-K
503 West 41st St	7288LC	Fred. K. Eberle	H-A
123 West 52nd St	7287LC	Eisemann Magneto Co	H-O-A
250 West 54th St	7330LC	Chas. E. Riess & Co	A
419 West 55th St	7331LC	Mitchell Motor Co	H-O-L-G
203 West 128th St	7317LC	Jno. S. Nathanson	H-A-G-K
605 West 129th St	7316LC	Brett Lithographing Co	H-A-G-C
56 Warren St	7291LC	David Gottlieb	H-A-G
127-29 White Street	7323LC	Peter F. Pia, Inc	G-K-A
54 East 11th St	22828-F	A. T. Wm. Pilgrim et al	C
291-3 Grand St., 90-92 Eldridge St	22889-F	Freda Buxbaum	C
291-3 Grand St., 90-92 Eldridge St	22890-F	Freda Buxbaum	C
291-3 Grand St., 90-92 Eldridge St	22892-F	Nankin Wrapper Co	C-I
291-3 Grand St., 90-92 Eldridge St	22891-F	Harry Cohn	C
291-3 Grand St., 90-92 Eldridge St	22894-F	Estate of Wm. H. Burr	C
200 Greenwich St	22790-F	Henry A. Wingrt et al	C
80-82 Wooster St	22767-F	Josephine M. Brown	C
50 Broad St	22836-F	Fifty Broad St. Co	A
12 E. 32nd St	22848-F	Vincent Desets	C-G
12 E. 32nd St	22849-F	Myriad Mfg. Co	G

Premises.	Order No.	Issued Against.	Classification.
12 E. 32nd St.	22850-F	Tri Arts Press Co.	G
12 E. 32nd St.	22851-F	Louis Bernstein & Co.	C-G
12 E. 32nd St.	22852-F	Satler & Martell.	C-G
198 Greenwich St.	22781-F	Emma Smith	B-E-C
198 Greenwich St.	22782-F	Emma Smith	D
196 Greenwich St.	22779-F	Kingsland Estate	D
196 Greenwich St.	22780-F	Kingsland Estate	E-B-C
12 E. 32nd St.	22853-F	David Kigner	G
193-195-197-199 Washington St., 73-75 Vesey St.	22784-F	Thos. R. McNell	D
193-195-197-199 Washington St., 73-75 Vesey St.	22783-F	Thos. R. McNell.	E-B-C
53 Ann St.	22833-F	Dorothy Weir et al.	S-S-C
64-51 Broadway, 216-218 Mercer St.	22953-F	Simon E. Hecht et al.	C
146-50 Avenue D.	22845-F	The Royal Table Co., Inc.	I-G-A
146-150 Avenue D.	22843-F	Charles Gross & Henry Goldberg	C-K-G-A
146-150 Avenue D.	22842-F	D. H. McAlpin & Co.	C
146-150 Avenue D.	22841-F	Ab. Silverman & Harry Diamond	C-K-G
146-150 Avenue D.	22840-F	Isaac Bermann	C-G-A
146-150 Avenue D.	22839-F	Friedman & Rosenblatt.	C-K-G
146-150 Avenue D.	22838-F	Herman Donishefsky	C-K-G
146-150 Avenue D.	22837-F	D. H. McAlpin & Co.	SS
39-47 Broome St., 14-22 Lewis St.	22835-F	Eliza W. Stevens.	SS
12 E. 32nd St.	22847-F	Leon J. Neumann et al.	A-SS-C
12 E. 32nd St.	22846-F	Leon J. Neumann et al.	SS
417 E. 85th St.	22902-F	Mrs. Frances Gold	C
291-293 Grand St., 90-92 Eldridge St.	22893-F	Samuel Jaret	I
128 Madison Ave.	23039-F	Estate of Wm. B. Isham.	E-C-B
109-11 Spring St.	22956-F	Isabel Anderson	SS
493 West Broadway	22888-F	Estate of Michael H. Whalen.	C
26 West 26th St.	23016-F	Mrs. Rosanna Batchelor.	C
655 West 30th St.	22954-F	Jno. T. Stanley.	I-B
192 Broadway	16900-F	Chatham & Phoenix Nat. Bank.	A
85 Monroe St.	22895-F	Samuel Kleinberg	C
98-102 Nassau St.	16492-F	Jno. M. Raymond	C
53 Ann St.	22832-F	Wm. Van Syckle & Richard Davidson	C-G-A
53 Ann St.	22831-F	Rogers Jones Mfg. Co.	C-I
53 Ann St.	22830-F	A. C. Southall & Co.	C-A-F
53 Ann St.	22829-F	Geo. H. Kahlenbeck	C-G
60 Broad St.	22772-F	Estate of Calvin Stevens.	C-A-F
60 Broad St.	22773-F	Gustave Rosenfeld	A
60 Broad St.	22774-F	The Dennett Co.	E-A-F
84 Broad St.	22771-F	Samuel Untermeyer	B
5 Chatham Square	22896-F	James Tobin	D
160-162 Park Row	22778-F	Julius Banner & Sons.	A
160-162 Park Row	22777-F	Frank A. Campbell.	A-E-D-C
160-162 Park Row	22776-F	"William" S. Sillcocks	C-B-D
160-162 Park Row	22775-F	"William" S. Sillcocks.	D
493 West Broadway	22887-F	Estate of Michael H. Whalen.	B-C
40-42 West 22nd St.	22792-F	Edward J. Vilsack	C
802-804 Greenwich St.	7233-C	Jacob Gilson	I-A-E-G-H
Bronx.			
226 E. 144th St.	7352LC	Columbia Metal Box Co.	C
1768 Gleason Ave.	7278LC	August Diener	D-H-A-G
1075 Intervale Ave.	7305LC	Louis Walter	H-A-G
165th St. and Jerome Ave.	7279LC	Wm. M. Paul	L-G
181st st. and Jerome Ave.	7280LC	Herbert Oil Co.	H-L
Pelham Bay Park	7301LC	Andrew Gack	H-A-L
1135-5 So. Boulevard	7297LC	Peerless Boulevard Garage	G-A-C-D-L
1035 Stebbins Ave.	7296LC	Wm. V. Kiehnle Co.	A-H-G
Stephens St. Pier, Classon Pt.	7349LC	Cornelius F. Quinn	H-G-A-K
2595 Third Ave.	7293LC	Bayer Bros. & Co.	A-G
1100 Brook Ave.	7198LC	Haeusenmann Metal Mfg. Co.	A-K-G
402 East 152nd St.	7223LC	Berger Mfg. Co.	A-H
Foot of Marine St.	7213LC	Arthur E. Miller	L
Pilot St., City Is.	7210LC	Robert Jacob	H-K-L
2737 Third Ave.	7221LC	Jno. F. Blackman & Son.	H
Richmond.			
1983 Richmond Terrace	7196LC	Staten Island Shipbuilding Co.	L
3063 Richmond Terrace	7197LC	Staten Island Shipbuilding Co.	K-G-H-A
Richmond Terrace, Port Richmond.	7215LC	American Linseed Co.	K
Southfield & Sea View Avenues.	7227LC	A. Rooserel	H-A-L-G-C
Four Corners Road, Dongan Hill.	7272LC	Martin C. Flor	A-D
Foot of Lafayette Ave., New Brighton	7334LC	William Taylor	G
677-79 Cary Ave., West N. B.	7347LC	William Gorman	A-G-L-K
Brooklyn.			
124-26 Bayard St. and 423-429 Manhattan Ave.	23095LF	Consolidated Wafer Co.	M
170-72 Carlton Avenue.	23061LF	Leo Isreal	C-A
215-29 Diamond St., 255-73 Calyer St., 212-14 Newell Street.	23059LF	Julius J. Gebrahardt.	C
215-29 Diamond St., 255-73 Calyer St., 212-14 Newell Street.	23060LF	William Becker	G
209 18th Street.	23053LF	James Whalen	M
65 Flatbush Avenue.	23080LF	Mrs. Francis MacN. Cranford.	A-F
189-91 Ft. Greene Pl.	23049LF	Conron Bros. Co.	A
98-112 Fourth St.	23094LF	Knickerbocker Ice Co.	C
1197-1203 Fulton St.	23062LF	Wm. E. Collins.	A
1197-1203 Fulton St.	23063LF	The Chauncey Real Estate Co., Ltd.	A
447 Fulton Street.	23073LF	Brooklyn Union Gas Co.	C
137-9 Greene Street.	23078LF	Greenpoint Metallic Bed Co.	C
257-65 Greenpoint Ave.	23096LF	Empire City-Gerard Co.	M
920 Hulsey Street.	23089LF	William Walter	D
224 High Street.	23069LF	The Edgar Improvement Co.	M
252-6 Java St. and 259-63 Kent Ave.	23064LF	Nichthauser & Levy.	C
252-6 Java St. and 259-63 Kent Ave.	23065LF	Nichthauser & Levy.	C
317 Jay Street.	23093LF	Wm. Haedrick, Jr.	C
293 Jay Street.	23070LF	Arthur H. Merritt.	C
293 Jay Street.	23071LF	Arthur H. Merritt.	M
38 Lexington Ave.	23066LF	The Manhattan Dial Class.	C
38 Lexington Ave.	23067LF	The Manhattan Dial Class.	G
1-23 Lombardy St. and 146-64 Kingsland Ave.	23072LF	Ice Manufacturing Co.	M
829 Myrtle Avenue.	23085LF	Louis Wiener	G-C
829 Myrtle Avenue.	23086LF	Louis Wiener	A-C
829 Myrtle Avenue.	23087LF	Bklyn. Union Gas Co.	C
619 Pacific St.	23050LF	Arthur Levy Bernard Co.	A
619 Pacific St.	23051LF	Mr. Chas. F. Fields.	A
248-52 Park Ave. and 55-63 Waverly Ave.	23068LF	Frank X. Kuchler	C
140-4 Stockton St. (rear)	23083LF	Samuel Werner & Louis Rabiner	G
140-4 Stockton St. (rear)	23084LF	Samuel Werner & Louis Rabiner.	C
141 Union Street	23052LF	Bridget Kennedy	M
Hopkinson Ave. and Pacific St.	22799-LF	Bklyn. U. Gas. Co.	C
104-06 Livingston St.	22979-LF	Assn. for Improving Conditions of the Poor	A

Premises.	Order No.	Issued Against.	Classification.
842 Lorimer St.	22960-LF	Royal Lace Paper Co.	A
153 McKibben St.	22965-LF	Congregation Gates of Prayer	A
255-69 McKibben St.	22966-LF	Williamsburg Flint Glass Co.	A
260-62 Maujer St.	22989-LF	Star Bros.	G
260-62 Majuer St.	22990-LF	Louis & Jos. Star.	A
260-62 Maujer St.	22991-LF	J. & D. Chocolate Co.	G
260-62 Maujer St.	22992-LF	J. & D. Chocolate Co.	A
260-62 Maujer St.	22993-LF	Rex Cabinet Works	A
260-62 Maujer St.	22994-LF	Rex Cabinet Works	G
260-62 Maujer St.	22995-LF	Standard Ice Cream Co.	A
229-35 Meserole St.	23035-LF	Eastern Brewing Co.	A
165 Myrtle Ave.	23036-LF	Philip H. Marks	M
165 Myrtle Ave.	23037-LF	Bklyn. U. Gas Co.	C
165 Myrtle Ave.	23038-LF	Anna Teroner	C
697 Myrtle Ave.	23034-LF	Sidney L. Rowland	G
1607 Neptune Ave.	22964-LF	Mrs. Rose Martoll	A
332-40 North 7th St., 501-11 Metropolitan Ave.	22976-LF	Victor E. Dassart	C
448 Nostrand Ave.	22998-LF	Alphonse & Eloi Gariepy	E-G-M
448 Nostrand Ave.	22999-LF	Alphonse & Eloi Gariepy	C
288 Pennsylvania Ave.	22981-LF	Harry Mandal	A-G
285-87 Powell St.	22982-LF	Samuel & David Geiman	G
285-87 Powell St.	22983-LF	Jacob Weiner	G
285-87 Powell St.	22984-LF	Jacob Sklersky	G
285-87 Powell St.	22985-LF	Jacob Sklersky	C
285-87 Powell St.	22986-LF	Max Lakin and Harry Kirsh	G
480 President St.	22969-LF	Dominick Montemarano	A
383 Pulaski St.	23041-LF	Rosie Rappaport	C
56-60 Scholes St.	22959-LF	Knorff Candy Co.	A
221 Scholes St.	22970-LF	John Merklinger	C
221 Scholes St.	2297k-LF	Louis Schneidkraut	C-M
Surf Ave. (Steeplechase Park).	22860-LF	Bklyn. U. Gas Co.	C
1091 Sutter Ave.	23018-LF	John Klein	M
260-68 Ten Eyck St.	23000-LF	Otto Goetz	G
260-68 Ten Eyck St.	23001-LF	Otto Goetz	G-A
4305-11 Third Ave.	22793-LF	Bklyn. U. Gas. Co.	C
110 Van Dyke St.	22980-LF	Henry Koehler	F-A
240 Vernon Ave.	22961-LF	Max Maiseo	C
120-22 Wallabout St.	22988-LF	Edgar Improvement Co.	M
285-9 Scholes St.	23023-LF	John Pitz & Joseph Weber	G
285-9 Scholes St.	23024-LF	John Pitz & Joseph Weber	A
E. S. 2nd Ave., bet. 45th and 46th Strs.	22957-LF	A. M. Bixby & Co.	A
N. E. cor. 7th Ave. and 48th St.	22958-LF	Swedish Methodist Episcopal Church.	A
225-41 Siegal St.	22967-LF	Rev. Attavio Silvestri, in charge, Church of Our Lady of Pompeii.	A
178 Alabama Avenue.	23025-LF	Morris Shapiro	M
231-33 Ainslee St.	23047-LF	Congregation Beth Israel.	A
124-28 Atlantic Ave.	23033-LF	Gassau Thompson Co.	A
2566 Atlantic Ave. and 43-45 Alabama Ave.	22884-LF	Bklyn. U. Gas Co.	C
62-68 Boerum Place.	23048-LF	St. Vincent's Home for Boys.	A
133 Boerum St.	23019-LF	Abraham Friedman	M
187-89 Broadway	23046-LF	Alfred Benjamin Co.	G
187-89 Broadway	23045-LF	Wm. R. Ostrander.	G
187-89 Broadway	23044-LF	Aaron Washfsky & Jacob Cohen.	G
187-89 Broadway	23043-LF	Fred Wohl	G
187-89 Broadway	23042-LF	Fred Wohl	A
240-44 Broadway	23020-LF	Alex. Roth	G
240-44 Broadway	23021-LF	Halperm Knitting Mills.	A
240-44 Broadway	23022-LF	Kaiser Knitting Mills	A
640-4 Broadway and 116-18 Gerry St.	23026-LF	Stein & Adler	C
640-4 Broadway and 116-18 Gerry St.	23027-LF	Stein & Adler	G
640-4 Broadway and 116-18 Gerry St.	23028-LF	Jacob Friedensohn	M
640-4 Broadway and 116-18 Gerry St.	23029-LF	Wm. L. Andrews	C-G
640-4 Broadway and 116-18 Gerry St.	23030-LF	Cohen Bros.	M
640-4 Broadway and 116-18 Gerry St.	23031-LF	Wm. L. Andrews.	C
658-60 Broadway	22857-LF	Bklyn. U. Gas Co.	C
180 Bushwick Ave., rear.	22987-LF	Acme Knitting Mills.	G
230-32 Duffield St.	22968-LF	Wm. H. Sims	A
22 Fifth Ave.	22973-LF	Wm. H. Meyer.	M
567-77 Flushing Ave.	23040-LF	United Stove & Repair Co.	A
299 Forcetube Ave.	22856-LF	Bklyn. U. Gas Co.	C
397-401 Fulton St.	23017-LF	Bklyn. Citizens Newspaper Corp.	A
18 Glenmore Ave.	22977-LF	Solomon Epsel & Max Klein.	C
18 Glenmore Ave.	22978-LF	Herman Feingold	C
242-48 Greene Ave.	22962-LF	Maetrick, Eyre & Co.	A
242-48 Greene Ave.	22963-LF	Maetrick, Eyre & Co.	C
147 Jackson St.	22974-LF	Sylvester Viscount	A
147 Jackson St.	22975-LF	Sylvester Viscount	C-G
79 Boerum St.	LC1451B&Q	Charles Sultan	K
470-4 Clermont Ave.	LC1452B&Q	F. J. Marlborough.	L
133 Conselyea St.	LC1453B&Q	Geo. J. Keller.	A-H-G-C
De Kalb Avenue and Emerson Place	LC1454B&Q	G. Wendeburg	H-A-G
3000 Emmons Ave.	LC1455B&Q	H. Kudlich	H-A-G
770 Flatbush Ave.	LC1456B&Q	A. J. Schacht, Jr.	A
60-62 N. 6th St.	LC1457B&Q	L. F. Fechtman Co.	A-E
420 Oakland St.	LC1458B&Q	E. C. Smith	A
Bond and 4th Sts.	LC1441B&Q	Knickerbocker Ice Co.	A
105 Frost St.	LC1442B&Q	Vito Tropiano	A-H
1021 Fulton St.	LC1443B&Q	I. & J. Silverstein.	A-G-D
1041 Fulton St.	LC1444B&Q	Est. Henry Victor	M-A
26 Irvington Pl.	LC7445B&Q	C. B. J. Snyder.	G
127 Meeker Ave.	LC1446B&Q	A. H. W. Colberg	G-A
2 Meserole Ave.	LC1447B&Q	Stellwagen & Warner	A
667 Myrtle Ave.	LC1448B&Q	Samuel Martin	K-M-A-H
155 Sanford St.	LC1449B&Q	A. Giovannanno	H-A
27 Clinton Ave.	LC1430B&Q	J. Weybrauch	G-A
65 Dean St.	LC1431B&Q	A. Amato	A-H
753 DeKalb Ave.	LC1432B&Q	H. Grossbard	H-A
489 Driggs Ave.	LC1433B&Q	Jos. Faraldo	H-A
507 Flatbush Ave.	LC1434B&Q	B. D. Meyer	D-A-G
398-402 Gates Ave.	LC1435B&Q	P. C. Puels	A
269 Tompkins Ave.	LC1436B&Q	Potter Bros. Decorating Co.	D-H-A
302 Tompkins Ave.	LC1437B&Q	E. Krueger & Sons.	H
650 Wythe Ave.	LC1438B&Q	Jos. Weinstein	H-A
W. 20th St. and R. R. Avenue.	LC1439B&Q	B. Donneand	L-H-A
170 Lincoln Road	LC1412B&Q	G. H. Robertson	A-H-G
610 Marcy Ave.	LC1413B&Q	Meyer Goldberg	H-A-G
1115 Nostrand Ave.	LC1414B&Q	Paulina Josovitz	A-D
179 Palmetto St.	LC1415B&Q	Thos. McKenna	G-A-O
103 Pierrepont St.	LC1416B&Q	Margaret Taylor	G-A
99 Quincy St.	LC1417B&Q	L. J. Sudholz	H-A-G
3604 Church Avenue	LC1418B&Q	A. S. Lewis	H-A-G
142-6 Cumberland St.	LC1419B&Q	Bacon Coal Co.	H-A

Premises.	Order No.	Issued Against.	Classification.
2217 Newkirk Avenue	LC1420B&Q	W. E. Purdy	G-A-D
358 Oakland St.	LC1421B&Q	C. Oher	H-A-G
759 Park Ave.	LC1422B&Q	Harry Neifeld	A-H
127 Patchen Ave.	LC1423B&Q	Chas. Bruning	H-A-G-O
319 E. 2nd St.	LC1425B&Q	John Kralund	G-H-A
404 Seventh Ave.	LC1426B&Q	G. Kramer	H-A-G
2566 Atlantic Ave. and 43-45 Alabama Ave.	22885-F	Bklyn. Curtain Works	G-L-C
2566 Atlantic Ave. and 43-45 Alabama Ave.	22886-F	Est. of Jacob W. Erreger	C
Hopkinson Ave. and Pacific Street.	22797-F	House of Good Shepherd	C-A
Hopkinson Ave. and Pacific Street.	22798-F	House of Good Shepherd	D
Surf Ave., Coney Island	22864-F	Steeplechase Park Amusement Company	G
Surf Ave., Coney Island	22863-F	Steeplechase Park Amusement Company	D
Surf Ave., Coney Island	22862-F	Steeplechase Park Amusement Company	D
4305-11 Third Avenue	22795-F	Italo De Palma and David Hoskwith	F-C-A-D
4307 Third Avenue	22796-F	Henry Bookbinder	C
299 Forcetube Ave. or 72-78 Norwood Ave., rear	22855-F	Parshelsky Bros.	C
35-45 Fulton St.	18908-F	Lyons Hotel Co.	A-B-C-D-F
35-41 Fulton St.	18910-F	Robert H. Neumeister	A-G-C
40-42 Myrtle Avenue	22898-F	Louis E. Becker	A
40-42 Myrtle Avenue	22897-F	Al Pearson & John Pearson	A
4305-4311 Third Ave.	22794-F	Olaf Olafson	"C" "D"
Queens.			
Pierce Ave., bet. Hamilton and Hancock Sts.	23079LF	DeNobili Cigar Co.	C
390 Webster Ave., rear	23090LF	Mercury Motor Co.	C
Helen and Pressberger Aves., So. Ozone Park	21225-LF	Christ Church	A
Jamaica and Sanford Aves., Flushing, L. I.	22901-LF	N. Y. & Queens Co. Gas Company	C
E. S. Hamilton St., nr. Pine St., Douglaston	LC1427B&Q	May Hughes	H-A-G
Maspeth Ave. and Broad St., Maspeth	LC1428B&Q	Frank Beck	H-A-G
181 Maspeth Avenue, Maspeth.	LC1429B&Q	J. W. Hardenburgh	A-G
506 Boulevard, Rockaway Beach	LC1424B&Q	Kohn's Department Store	D-G-H-A
28-31 Eldert St., Rockaway Beach	LC1450B&Q	Isaac Green	A-H
Old South Rd. and Centerville Ave.	LC1440B&Q	A. Goldstein	H-A

W. HOLDEN WEEKS, Deputy and Acting Fire Commissioner.

PUBLIC SERVICE COMMISSION—FIRST DISTRICT.

No. 154 Nassau Street, New York City.
Calendar for the Week Commencing August 10, 1914.

Tuesday, August 11, 1914—10.30 a. m.—Room 305—Case No. 1762—Manhattan Railway Company—"Application for approval of second mortgage and issue of $5,409,000 bonds thereunder"—Commissioner Williams.

Wednesday, August 12, 1914—10.30 a. m.—Room 305—Case No. 1858—Long Island Railroad Company and New York and Rockaway Beach Railway Company—"Construction of foot path along trestle on Rockaway Beach Division"—Commissioner Wood.

Thursday, August 13, 1914—10.30 a. m.—Room 305—Case No. 1856—New York and Queens Gas Company—"Extension of gas mains to Douglaston and Little Neck, Borough of Queens"—Commissioner Maltbie.

The next meeting of the Commission will be held on August 21, 1914, at 12.15 p. m.

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 Rosseau, 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.

DEPARTMENT OF EDUCATION.

Board of Education.
Park ave. and 59th st. Telephone, 5380 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.
277 Broadway, 8th 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.
William A. Prendergast, Comptroller.
Deputy Comptrollers, 7th floor. Alexander Brough, Edmund D. Fisher, Charles S. Hervey, Hubert L. Smith.

Receiver of Taxes.
Manhattan—Municipal Building, 2nd floor. Telephone, 1200 Worth.
Bronx—177th st. and Arthur ave. Telephone, 140 Tremont.
Brooklyn—236 Duffield st. Telephone, 7056 Main.
Queens—5 Court Square, Long Island City. Telephone, 3386 Hunter's Point.
Richmond—Borough Hall, St. George. Telephone, 1000 Tompkinsville.
Frederick H. E. Ebstein, Receiver of Taxes.

Collector of Assessments and Arrears.
Manhattan—Municipal Building, 3d Floor. Telephone, 1200 Worth.
Bronx—177th St. and Arthur Ave. Telephone, 47 Tremont.
Brooklyn—503 Fulton st. Telephone, 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, Hall of Records. Telephone, 4600 Worth.
Brooklyn office, 153 Pierrepont st. Telephone, 2948 Main.
Frank L. Polk, Corporation Counsel.

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.

METROPOLITAN SEWERAGE COMMISSION.
17 Battery place. Telephone, 1694 Rector.
George A. Soper, President.
James H. Fuertes, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION.
Municipal Building, 14th floor. Telephone, 1580 Worth.
Henry Moskowitz, President.
Robert W. Belcher, Secretary.

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, 1263 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.
Hall of Records. 9 a. m. to 4 p. m.; Saturday, to 12 m. Telephone, 3900 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, 1800 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. Curry, Commissioner of Records.

KINGS COUNTY.

COUNTY CLERK.
Hall of Records, Brooklyn. Telephone, 4930 Main.
Charles S. Devoy, County Clerk.

COUNTY COURT.
County Court House, Brooklyn. Court opens at 10 a. m. daily and sits until business is completed. Part I, Room No. 23; Part II, Room No. 10; Part III, Room No. 14; Part IV, Room No. 1, Court House. Clerk's office, Rooms 17, 18, 19 and 22; open daily from 9 a. m. to 5 p. m.; Saturday, to 12 m. Telephone, 4154 Main.
John T. Rafferty, Chief Clerk.

DISTRICT ATTORNEY.
66 Court st., Brooklyn. 9 a. m. to 5.30 p. m.; Saturday, to 1 p. m. Telephone, 2954 Main.
James C. Cropsey, District Attorney.

COMMISSIONER OF JURORS.
381 Fulton st., Brooklyn. Telephone 1454 Main.
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, 9066 Melrose.
James Vincent Ganly, County Clerk.
COUNTY JUDGE.
161st. st. and 3d ave. Telephone, 7907 Melrose.
Louis D. Gibbs, County Judge.
DISTRICT ATTORNEY.
161st st. and 3d ave. Telephone, 9200 Melrose.
Francis Martin, District Attorney.
COMMISSIONER OF JURORS.
1932 Arthur ave. Telephone, 3700 Tremont.
John A. Mason, Commissioner.
PUBLIC ADMINISTRATOR.
2808 3d ave. Telephone, 9171 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 Fulton 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, Commissioner.
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. Cerk's office open from 9 a. m. to 4 p. m., and on Saturdays until 12 m.
Edward R. Carroll, Clerk.
MUNICIPAL COURTS.
The Clerk's 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.
Eight District—121st st. and Sylvan place. Telephone, 3950 Harlem.
Ninth District—Madison ave. and 59th st. Parts I and II. Telephone, 3873 Plaza.
Borough of The Bronx.
First District—Town Hall, 1400 Williamsbridge road, Westchester. Trial of causes, Tuesday and Friday of each week. Telephone, 457 Westchester.
Second District—Washington ave. and 162d st. Telephone, 3043 Melrose.
Borough of Brooklyn.
First District—State and Court sts. Parts I and II. Telephone, 7091 Main.
Second District—495 Gates ave. Telephone, 504 Bedford.
Third District—6 Lee ave. Telephone, 955 Williamsburg.
Fourth District—14 Howard ave.
Fifth District—5220 Third ave. Telephone, 3907 Sunset.
Sixth District—236 Duffield st. Telephone, 6166 Main.
Seventh District—31 Pennsylvania ave. 8.45 a. m. to 4 p. m.; Saturday, 9 a. m. to 12 m. Telephone, 904 East New York.
Borough of Queens.
First District—115 5th st., Long Island City. Telephone, 1420 Hunters Point.
Second District—Broadway and Court st., Elmhurst. Telephone, 87 Newtown.
Third District—1908 Myrtle ave., Glendale. Telephone, 2352 Bushwick.
Fourth District—Town Hall, Jamaica. Telephone, 1654 Jamaica.
Borough of Richmond.
First District—Lafayette ave. and 2d st., New Brighton. Clerk's office open from 8.45 a. m. to 4 p. m. Telephone, 503 Tompkinsville.
Second District—Former Edgewater Village Hall, Stapleton. Clerk's office open from 8.45 a. m. to 4 p. m. Telephone, 313 Tompkinsville.
COURT OF SPECIAL SESSIONS.
Court opens at 10 a. m.
Part I, Criminal Court Building, Manhattan. Telephone, 3983 Franklin.
Part II, 171 Atlantic ave., Brooklyn. Telephone, Main 4280.
Part III, Town Hall, Jamaica. Held on Tuesday of each week. Telephone, 2620 Jamaica.
Part IV, Borough Hall, St. George. Held on Wednesday of each week. Telephone, 324 Tompkinsville.
Part V, 161st st. and 3d ave., Bronx. Held on Thursday of each week. Telephone, 9088 Melrose.
Frank W. Smith, Chief Clerk.
Children's Court.
New York County—66 3d ave. Telephone, 1832 Stuyvesant.
Dennis A. Lambert, Clerk.
Bronx County—355 E. 137th st. Court held on Wednesday and Friday of each week. Telephone, 9092 Melrose.
Michael Murray, Clerk.
Kings County—102 Court st. Telephone, 627 Main.
Joseph W. Duffy, Clerk.
Queens County—19 Flushing ave., Jamaica. Court held on Monday and Thursday of each week. Telephone, 2624 Jamaica.
Sydney Ollendorf, Clerk.
Richmond County—Corn Exchange Bank Building, St. George. Court held on Tuesday of each week. Telephone, 324 Tompkinsville.
William J. Browne, Clerk.
SUPREME COURT—APPELLATE DIVISION.
First Judicial Department.
Madison ave., corner 25th st. Court open from 2 p. m. until 6 p. m. Friday, Motion Day, Court opens at 10.30 a. m. Motions called at 10 a. m. Orders called at 10.30 a. m. Telephone, 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 opens 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 Terms 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 OF ESTIMATE AND APPORTIONMENT.

Notices of Public Hearings.

FRANCHISE MATTERS.

PUBLIC NOTICE IS HEREBY GIVEN THAT at the 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, was continued until Thursday, July 30, 1914, was continued until August 27, 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 801, 277 Broadway. Telephone, 4560 Worth.
Dated, New York, July 30, 1914. jy31,a27

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, 4th 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, and on that date was continued until July 30, 1914, was continued until August 27, 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 appear and be heard thereon.
JAMES D. McGANN, Assistant Secretary, Room 801, 277 Broadway. Telephone, 4560 Worth.
Dated, New York, July 30, 1914. jy31,a27

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
THURSDAY, AUGUST 20, 1914,
FOR FURNISHING, DELIVERING AND INSTALLING A STEAM ENGINE DRIVEN FAN BLOWER AND AIR DUCTS IN BOILER ROOM, HART'S ISLAND, NEW YORK.
The time for the completion of the work and the full performance of the contract is by or before Thirty-five (35) 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.
Aug. 8th, 1914. a8,20
☞See General Instructions to Bidders on last page, last column, of the "City Record."

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
THURSDAY, AUGUST 20, 1914,
FURNISHING AND DELIVERING 243,000 QUARTS PASTEURIZED MILK, GRADE "B."
The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1914.
The amount of security required is thirty (30) per cent. of the amount of bid or estimate.
The bidder will state the price for each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total. The bids will be compared and the contract awarded at a lump or aggregate sum.
Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.
Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.
Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, Municipal Building, New York City.
KATHARINE BEMENT DAVIS, Commissioner.
Aug. 8, 1914. a8,20
☞See General Instructions to Bidders on last page, last column, of the "City Record."

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
TUESDAY, AUGUST 11, 1914,
FOR FURNISHING AND DELIVERING FRESH FISH, ETC.
The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1914.
The amount of security required is thirty (30) per cent. of the amount of bid or estimate.
The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the totals. The bids will be compared and the contract awarded at a lump or aggregate sum.
Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.
Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.
Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, Municipal Building, New York City.
KATHARINE BEMENT DAVIS, Commissioner.
July 31, 1914. jy31,a11
☞See General Instructions to Bidders on last page, last column, of the "City Record."

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
TUESDAY, AUGUST 11, 1914,
FOR FURNISHING AND DELIVERING GROCERIES, ETC.
The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1914.
The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.
The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the totals and awards made to the lowest bidder on each item.
Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.
Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.
Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, Municipal Building, New York City.
KATHARINE BEMENT DAVIS, Commissioner.
July 31, 1914. jy31,a11
☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES.

Proposals.

MAIN OFFICE OF THE DEPARTMENT OF PUBLIC CHARITIES, MUNICIPAL BUILDING, Room 1091, THE CITY OF NEW YORK.
BOROUGHS OF BROOKLYN AND QUEENS.
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, AUGUST 14, 1914,
FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION OF NEW STEAM LINES FOR CARRYING EXHAUST STEAM FROM THE POWER HOUSE OF THE KINGS COUNTY HOSPITAL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.
The time allowed for the completion of the work and full performance of the contract is forty (40) 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 for a complete job.
Blank forms and further information may be obtained at the office of the Chief Engineer of the Department, Room 1035, Municipal Building, The City of New York, where plans and specifications may be seen.
JOHN A. KINGSBURY, Commissioner.
Dated August 1, 1914. a3,14
☞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
THURSDAY, AUGUST 13, 1914,
FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REMOVING THE PRESENT SANITARY FLOORS AND RENEWING SAME IN THE BATH AND TOILET ROOMS OF THREE (3) PAVILIONS AT THE NEW YORK CITY FARM COLONY, BOROUGH OF RICHMOND, THE CITY OF NEW YORK.
The time allowed for the completion of the work and full performance of the contract is fifteen (15) consecutive working days.
The security required will be Seven Hundred Dollars ($700).
Certified check or cash in the sum of Thirty-five Dollars ($35) 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 Chief Engineer of the Department, Room 1035, Municipal Building, The City of New York, where plans and specifications may be seen.
JOHN A. KINGSBURY, Commissioner.
Dated August 1, 1914. a3,13
☞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
FRIDAY, AUGUST 21, 1914,
Borough of Manhattan,
NO. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE DURING THE WINTER SEASON 1914-1915.
This will be one contract for the entire Borough of Manhattan.
The time for the completion of the work and the full performance of the contract will be on or before April 15, 1915.
The amount of security required will be One Hundred Thousand Dollars ($100,000).
Borough of The Bronx.
NO. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR

THE REMOVAL OF SNOW AND ICE DURING THE WINTER SEASON 1914-1915.

This will be one contract for the entire Borough of The Bronx.

The time for the completion of the work and the full performance of the contract will be on or before April 15, 1915.

The amount of security required will be Twenty-five Thousand Dollars ($25,000).

Borough of Brooklyn.

NO. 3. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE DURING THE WINTER SEASON 1914-1915.

This will be one contract for the entire Borough of Brooklyn.

The time for the completion of the work and the full performance of the contract will be on or before April 15, 1915.

The amount of security required will be One Hundred Thousand Dollars ($100,000).

Borough of Manhattan,

NO. 4. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE DURING THE WINTER SEASON 1914-1915.

Under this form of contract the Borough of Manhattan will be divided into three (3) Snow Removal Districts, and the contract, if let, will be let for each of these districts.

The time for the completion of the work and the full performance of the contract will be on or before April 15, 1915.

The amount of security required for each of the Snow Removal Districts will be Forty Thousand Dollars ($40,000).

Borough of Brooklyn.

NO. 5. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE DURING THE WINTER SEASON 1914-1915.

Under this form of contract the Borough of Brooklyn will be divided into four (4) Snow Removal Districts, and the contract, if let, will be let for each of these districts.

The time for the completion of the work and the full performance of the contract will be on or before April 15, 1915.

The amount of security required will be Twenty-five Thousand Dollars ($25,000) for each of the Snow Removal Districts.

Awards, if made, will be made as provided by law.

The bidder will state the price per cubic yard for snow and ice removed.

The capacity of the vehicles used by the Contractors in doing the work shall be determined as provided on page 2 of the Proposals for these several forms of contracts.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, Municipal Building, Borough of Manhattan, New York City. A map showing the location of streets to be cleared of snow and ice by the contractor, and of the sewers, docks and other dumping places, provided by the City, may be seen at said office.

Dated August 7th, 1914.

J. T. FETHERSTON, Commissioner of Street Cleaning. a10,21

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF BRIDGES.

Auction Sales.

DEPARTMENT OF BRIDGES, MUNICIPAL BUILDING, CHAMBERS STREET, MANHATTAN, NEW YORK CITY.

THE COMMISSIONER OF BRIDGES WILL sell at public auction at Adams and Plymouth Streets, under the Manhattan Bridge, Borough of Brooklyn, on

FRIDAY, AUGUST 14, 1914,

at 11 o'clock A. M.

1 ONE-STORY FRAME BUILDING, FORMERLY USED AS AN ENGINEERS' FIELD OFFICE.

The building is 20 feet by 33 feet.

TERMS OF SALE.

The full price bid for the house, in addition to the auctioneer fees, shall be paid at the time of the sale.

The house shall be completely removed within twenty days from date of sale.

The Commissioner reserves the right to resell the above described building if not removed by the purchaser within the twenty days specified.

F. J. H. KRACKE, Commissioner.

JACQUES COHEN, Auctioneer. jy30,a14

DEPARTMENT OF FINANCE.

Corporation Sale of Permits.

CORPORATION SALE BY SEALED BIDS OF PERMITS FOR STANDS IN THE WEST WASHINGTON MARKET.

SEALED BIDS FOR THE PERMITS TO OCcupy the stands No. 25, No. 27 and No. 29 Lawton Avenue, in the West Washington Market, in the Borough of Manhattan, will be received by the Comptroller on

SATURDAY, AUGUST 22, 1914,

at 11.00 A. M., at the office of the Collector of City Revenue, Department of Finance, Room 368, Municipal Building, Borough of Manhattan, upon the following

TERMS AND CONDITIONS:

Each Bid must be accompanied by cash or certified check in the amount of $50.00, which will be returned to the unsuccessful bidders within twenty-four hours after the sale, and to the successful bidder upon the issuance of the permits and the payment of the first two weeks' rental.

Bids may be made for each stand separately or for the three stands collectively, and the three stands will be allotted to one bidder if any bid for all of the stands is greater than the total of the highest amounts bid for each stand separately.

The upset or minimum prices which will be considered are the present rentals of the stands, which are as follows:

No. 25 Lawton Avenue, $7.00 per week.
No. 27 Lawton Avenue, $4.75 per week.
No. 29 Lawton Avenue, $4.75 per week.

No permits will be issued for the sale of Live Poultry in excess of the permission to handle fifteen (15) coops daily, and no bids will be received from any former permit holder whose permit has been revoked for cause.

The Comptroller reserves the right to reject any or all bids if deemed to be to the interest of The City of New York.

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 30, 1914. a6,22

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.

Corporation Sales of Buildings.

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of Queens, public notice is hereby given that the Commissioners of the Sinking Fund by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of Queens.

BEING the buildings, parts of buildings, etc., standing within the lines of Hallett Street, from Flushing Avenue to Winthrop Avenue, in the Borough of Queens, which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 368, Municipal Building, Borough of Manhattan.

PURSUANT to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held July 29, 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

THURSDAY, AUGUST 27, 1914,

at 11 A. M. in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 221. Part of two and one-half story frame house on Hallett Street near Wolcott Avenue. Cut 13.40 feet on east side by 14.68 feet on west side. 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 27th day of August, 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 August 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, July 29, 1914. a11,27

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of Queens, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of Queens,

BEING the buildings, parts of buildings, etc., standing within the lines of Pomeroy Street, from Wolcott Avenue to Ditmars Avenue, in the Borough of Queens, which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 368, Municipal Building, Borough of Manhattan.

PURSUANT to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held July 29, 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

WEDNESDAY, AUGUST 26, 1914,

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 54. Part of two-story and basement frame house, on the northwesterly side of Pomeroy Street, near the southwesterly side of Wolcott Avenue. Cut 13.09 feet on north side by 10.68 feet on south side. Upset price, $10.00.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room 368, Municipal Building, Borough of Manhattan, until 11.00 a. m. on the 26th day of August, 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 August 26, 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, July 29, 1914. a8,25

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 Roberge Place, from West 3rd Street to West 5th 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 July 29, 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

MONDAY, AUGUST 24, 1914,

at 11 A. M. in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 1. Part of two-story frame building No. 2929 West 5th Street. Cut 11.48 feet on front by 13.02 feet on rear. Also shed in rear. Upset price, $25.

PARCEL NO. 2. One-story frame building No. 2931 West 5th Street. Also shed (9'x12') in rear. Also part of shed in rear. Cut 31.35 feet on front and rear. Upset price, $25.

PARCEL NO. 3. Part of two-story frame No. 2933 West 5th Street. Cut 18.72 feet on front by 3.62 feet on rear of extension. Part of shed in rear. Cut 31.3 feet on front and rear. Upset price, $50.

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 24th day of August, 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 August 24, 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, July 29, 1914. a7,24

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of Queens, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of Queens,

BEING the buildings, parts of buildings, etc., standing within the lines of Weil Place, from Flushing Avenue to North Washington Place, in the Borough of Queens, which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 368, Municipal Building, Borough of Manhattan.

PURSUANT to a resolution of the Commissioners of the Sinking Fund adopted at a meeting held July 29, 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

FRIDAY, AUGUST 21, 1914,

at 10 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 7. Two-story frame house No. 22 North Washington Place. 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 21st day of August, 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 August 21, 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, July 29, 1914. a5,21

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of Richmond, 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 property owned by The City of New York, acquired by it for Court House purposes in the

Borough of Richmond.

BEING the two vault doors with fittings, and the vestibule of the vault on the bank floor of the building on Parcel No. 4 of the Court House site in the Borough of Richmond, which are more particularly described on a certain schedule 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 July 29, 1914, the sale by sealed bids of the above described fixtures will be held by direction of the Comptroller on

FRIDAY, AUGUST 21, 1914,

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 1. The two vault doors with fittings and the vestibule of the vault on the bank floor of the Corn Exchange Bank Building on Jay Street, Staten Island. Upset price, $350.00.

Possession of the above property will be given purchaser on January 2, 1915.

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 10 a. m. on the 21st day of August, 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 August 21, 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, July 29, 1914. a5,21

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 Cruger Avenue, from Baker Avenue to Morris Park Avenue, and Van Nest Avenue from West Farms Road to Bear Swamp 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 resolutions of the Commissioners of the Sinking Fund, adopted at meetings held June 11, 1913, and July 29, 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

THURSDAY, AUGUST 20, 1914,

at 11 A. M., in lots and parcels and in manner and form, and at upset prices as follows:

PARCEL NO. 122. Fence on the northwest corner of Cruger Avenue and Baker Avenue. Upset price, $2.

PARCEL NO. 123. Fence and part of steps No. 1653 Cruger Avenue. Upset price, $2.

PARCEL NO. 124. Fence and part of steps No. 1659 Cruger Avenue. Upset price, $3.

PARCEL NO. 128. Fence and part of steps No. 1667 Cruger Avenue. Upset price, $2.

PARCEL NO. 129. Fence and part of steps No. 1669 Cruger Avenue. Upset price, $2.

PARCEL NO. 130. Fence and part of steps No. 1673 Cruger Avenue. Upset price, $2.

PARCEL NO. 131. Fence and part of steps No. 1675 Cruger Avenue. Upset price, $2.

PARCEL NOS. 132-227. Part of two-story frame buiding, 718 Van Nest Avenue. Cut 4.7 feet on east and west sides of Van Nest Avenue front. Cut 4.8 feet on front by 4.9 feet on rear on Cruger Avenue part. Also part of chicken house on Cruger Avenue. Cut 3.6 feet on north and south sides. Upset price, $75.

PARCEL NO. 134. Fence No. 1654 Cruger Avenue. Upset price, $3.

PARCEL NO. 135. Fence and part of steps No. 1656 Cruger Avenue. Upset price, $2.

PARCEL NO. 136. Fence and part of steps No. 1658 Cruger Avenue. Upset price, $2.

PARCEL NO. 138. Fence and part of steps No. 1662 Cruger Avenue. Upset price, $2.

PARCEL NO. 139. Iron fence and part of steps No. 1666 Cruger Avenue. Upset price, $3.

PARCEL NO. 141. Fence and part of steps No. 1670 Cruger Avenue. Upset price, $2.

PARCEL NO. 142. Fence No. 1672 Cruger Avenue. Upset price, $2.

PARCEL NO. 146. Fence No. 1711 Cruger Avenue. Upset price, $2.

PARCEL NO. 147. Fence and part of steps No. 1713 Cruger Avenue. Upset price, $2.

PARCEL NO. 148. Fence and part of steps No. 1715 Cruger Avenue. Upset price, $2.

PARCEL NO. 149. Fence No. 1719 Cruger Avenue. Upset price, $2.

PARCEL NO. 150. Iron fence and part of steps No. 1721 Cruger Avenue. Upset price, $3.

PARCEL NO. 151. Iron fence and part of steps No. 1723 Cruger Avenue. Upset price, $3.

PARCEL NO. 152. Iron fence and part of steps No. 1727 Cruger Avenue. Upset price, $3.

PARCEL NO. 153. Iron fence and part of steps No. 1729 Cruger Avenue. Upset price, $3.

PARCEL NO. 154. Iron fence and part of steps No. 1731 Cruger Avenue. Upset price, $3.

PARCEL NO. 157. Part of one-story frame shop in rear of 716 Morris Park Avenue. Cut 4.4 feet on north side by 3.1 feet on south side. Also foundation walls. Cut 4.6 feet on front by 4.4 feet on rear. Upset price, $5.

PARCEL NOS. 159-185. Part of two-story frame building No. 725 Van Nest Avenue. Cut 5.5 feet on west side by 5 feet on east side of Van Nest Avenue front. Cut 5 feet on front and rear of Cruger Avenue side. Also part of two-story frame rear building. Cut 5 feet on north and south sides. Upset price, $150.

PARCEL NO. 160. Fence and part of steps No. 1710 Cruger Avenue. Upset price, $2.

PARCEL NO. 161. Fence and part of steps, No. 1712 Cruger Avenue. Upset price, $2.

PARCEL NO. 162. Fence and part of steps No. 1718 Cruger Avenue. Upset price, $4.

PARCEL NO. 163. Fence and part of steps No. 1722 Cruger Avenue. Upset price, $2.

PARCEL NO. 165. Fence and part of steps No. 1728 Cruger Avenue. Upset price, $2.

PARCEL NO. 166. Fence and part of steps No. 1736 Cruger Avenue. Upset price, $2.

PARCEL NO. 167. Iron fence and part of steps No. 1732 Cruger Avenue. Upset price, $3.

PARCEL NO. 168. Fence No. 1734 Cruger Avenue. Upset price, $2.

PARCEL NO. 169. Part of one-story frame church on the southeast corner of Cruger and Morris Park Avenues. Cut 5.3 feet on front by 3.8 feet on rear. Upset price, $25.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room 368 Municipal Building, Borough of Manhattan, until 11 a. m. on the 20th day of August, 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 August 20, 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, July 29, 1914. a4,20

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 Dahlgren Place from Cropsey Avenue to 92nd 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 at a meeting held July 29, 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

WEDNESDAY, AUGUST 19, 1914,

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 54. Part of two-story frame building No. 171-173 Dahlgren Place. Cut 1.86 feet on north side by 2.21 feet on south side. Upset price, $5.00.

PARCEL NO. 61. Part of two-story frame building No. 197 Dahlgren Place. Cut 7.4 feet on north side by 8.8 feet on south side. Upset price, $10.00.

PARCEL NO. 90. Part of porch of building No. 251 Dahlgren Place. 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 19th day of August, 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 August 18, 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, July 29, 1914. a1,18

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE BOARD OF Education, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain buildings standing upon property owned by The City of New York acquired by it for school purposes in the

Borough of Brooklyn.

BEING the buildings, parts of buildings, etc., on the plot of ground 100′ x 100′ on the northeasterly corner of Leonard Street and Maujer 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 adopted by the Commissioners of the Sinking Fund, at a meeting held July 29, 1914, the sale by sealed bids of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

MONDAY, AUGUST 17, 1914,

at 11 A. M. in lots and parcels and in manner and form as follows:

PARCEL NO. 1. Two three-story frame buildings 198 and 200 Leonard street. Two-story brick building, wagon shed and stable 192-194 Leonard Street, and three-story frame building No. 105 Maujer Street.

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 17th day of August, 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 August 17, 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, July 29 1914. a1,17

Confirmation of Assessments.

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 QUEENS:

FIRST WARD.

RIDGE STREET—OPENING from the Boulevard to Academy street. Confirmed June 18th, 1914. Entered July 31, 1914. Area of Assessment includes: All those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the prolongation of a line distant 100 feet southerly from and parallel with the southerly line of Ridge street, the said distance being measured at right angles to Ridge street, distant 100 feet easterly from the easterly line of Academy street and running thence westwardly and always distant 100 feet southerly from and parallel with the southerly line of Ridge street and the prolongation thereof, to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the centre lines of Sanford street and Ridge street as these streets are laid out between the Boulevard and Sherman street; thence westwardly along the said bisecting line to the intersection with a line distant 100 feet westerly from and parallel with the westerly line of the Boulevard, the said distance being measured at right angles to the Boulevard; thence northwardly along the said line parallel with the Boulevard to the intersection with a line at right angles to the Boulevard, and passing through a point on its easterly side where it is intersected by a line midway between Broadway and Ridge street as these streets are laid out adjoining the Boulevard; thence eastwardly along the said line at right angles to the Boulevard to its easterly side; thence eastwardly along a line always midway between Broadway and Ridge street, and along the prolongation of the said line to the intersection with a line parallel with Academy street and passing through the point of beginning; thence southwardly along the said line parallel with Academy street 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, 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 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, at the Municipal Building, Court House Square, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before September 29, 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.

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 31, 1914. a5,15

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller

of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF BROOKLYN:

THIRTIETH AND THIRTY-FIRST WARDS, SECTIONS 19 and 21.

BENSON AVENUE — REGULATING, GRADING, CURBING AND FLAGGING, between Twenty-second and Twenty-fifth avenues. Area of assessment: Both sides of Benson avenue, from Twenty-second to Twenty-fifth avenues, and to the extent of half the block at the intersecting avenues.

THIRTY-FIRST WARD, SECTION 21.

BAY THIRTY-FIFTH STREET—REGULATING, GRADING, CURBING AND FLAGGING, between Eighty-sixth street and Cropsey avenue. Area of assessment: Both sides of Bay Thirty-fifth street from Eighty-sixth street to Cropsey avenue, and to the extent of half the block at the intersecting streets and avenues.

—that the same were confirmed by the Board of Assessors on July 28, 1914, and entered July 28, 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 September 26, 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, July 28, 1914. a5,15

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 avenue in the Borough of Brooklyn:

TWENTY-NINTH WARD, SECTION SIXTEEN.

AVENUE C—OPENING between Gravesend Avenue and Coney Island Avenue. Confirmed April 18, 1910. Entered July 24, 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.:

Bounded on the north by a line midway between Avenue C and Beverly Road and by the prolongation of the said line; on the east by a line midway between Coney Island Avenue and East Eleventh Street; on the south by a line midway between Avenues C and D and by the prolongation of the said line, and on the west by the easterly side of Gravesend Avenue.

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 September 22, 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, July 24, 1914. a1,12

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 assessments for OPENING AND ACQUIRING TITLE to the following named avenue and place in the BOROUGH OF QUEENS:

FIRST WARD.

ELY AVENUE—OPENING, from Nott avenue to Grand avenue. Confirmed April 29, 1914; entered July 28, 1914. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the intersection of the prolongation of a line midway between Ely avenue and Van Alst avenue with a line midway between Grand avenue and Taylor street, and running thence southeastwardly and along the said line midway between Grand avenue and Taylor street to the intersection with the prolongation of a line midway between Ely avenue and the Crescent; thence southwestwardly and along the said line midway between Ely avenue and the Crescent and the prolongation thereof, to the intersection with a line midway between Orange street and Graham avenue; thence southeastwardly and along the said line midway between Orange street and Graham avenue to the intersection with the prolongation of a line midway between William street and the Crescent; thence southwestwardly and along the said line midway between William street and the Crescent, and along the prolongation of the said line to the intersection with a line midway between Nott avenue and Twelfth street; thence westwardly and along the said line midway between Nott avenue and Twelfth street to the intersection with a line midway between Ely avenue and Van Alst avenue; thence northwardly and along the said line midway between Ely avenue and Van Alst avenue to the intersection with a line midway between Thirteenth street and Fourteenth street; thence westwardly and along the said line midway between Thirteenth street and Fourteenth street to the intersection with the prolongation of a line midway between Sunswick street and Van Alst avenue; thence northeastwardly and along the said line midway between Sunswick street and Van Alst avenue and the prolongation of the said line to the intersection with a line midway between Graham avenue and Orange street; thence southeastwardly and along the said line midway between Graham avenue and Orange street to the intersection with a line midway between Ely avenue and Van Alst avenue; thence northeastwardly and along the said line midway between Ely avenue and Van Alst avenue and the prolongation of the same to the point or place of beginning.

WEIL PLACE—OPENING, from Flushing avenue to North Washington place. Confirmed July 13, 1914; entered July 28, 1914. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of North Washington place, the said distance being measured at right angles to North Washington place; on the east by a line midway between Weil place and Hallet street and by the prolongations of the said line; on the south by the centre line of Newtown avenue; on the west by a line bisecting the angle formed by the intersection of the prolongations of the easterly line of Van Alst avenue and the westerly line of Weil place.

The above entitled assessments were 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 assessments, interest will be collected thereon, as provided by section 1006 of the Greater New York Charter.

Said section provides, in part, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, Court House Square, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before September 26, 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.

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 28, 1914. a1,12

Interest on City Bonds and Stock.

THE INTEREST DUE ON SEPTEMBER 1, 1914, on Registered Bonds and Stock of The City of New York, and of former corporations now included therein, will be paid on that day by the Comptroller at his office (Room 853), Municipal Building, at Chambers and Centre Streets, in the Borough of Manhattan.

The coupons that are payable in New York, London or Paris for the interest due September 1, 1914, on Corporate Stock of The City of New York will be paid on that day, at the option of the holders thereof, at the office of the Guaranty Trust Company, 140 Broadway, New York City, or at the office of Messrs. Seligman Bros., 18 Austin Friars, London, E. C., England.

The coupons that are payable on September 1, 1914, for interest on bonds of former corporations now included in The City of New York will be paid on that day at the office of the said Guaranty Trust Company.

The books for the transfer of bonds and stock on which interest is payable on September 1, 1914, will be closed from August 15 to September 1, 1914.

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, July 20, 1914. jy20,s1

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, has been continued to

THURSDAY, SEPTEMBER 3, 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 July 16, 1914.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. jy22,s3

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 and July 15th, 1914, has been continued to

WEDNESDAY, SEPTEMBER 9, 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 July 15th, 1914.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. jy18,s9

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, 1914, has been continued to

WEDNESDAY, SEPTEMBER 9, 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 July 15th, 1914.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. jy18,s9

BOROUGH OF RICHMOND.

Proposals.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF RICHMOND, BOROUGH HALL, ST. GEORGE, NEW BRIGHTON, N. Y. CITY.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Richmond, at the above office, until 12 o'clock m., on

TUESDAY, AUGUST 18, 1914,
Borough of Richmond.

NO. 1. FOR FURNISHING AND DELIVERING FORAGE AT STABLE "A," SWAN STREET, TOMPKINSVILLE, S. I., N. Y.

The Superintendent's estimate of the quantity and quality of the material required is as follows:

No. 1—112,000 lbs. No. 2 Timothy Hay.
No. 2—17,000 lbs. No. 1 Straight Rye Straw.
No. 3—97,000 lbs. No. 3 White Clipped Oats.
No. 4—8,000 lbs. Bran.
No. 5—300 lbs. Oil Meal.
No. 6—13 doz. Salt Bricks.

The time for the completion of the work and the full performance of the contract is by or before December 31st, 1914.

The amount of security shall be 30% of the total amount for which the contract is awarded.

NO. 2. FOR FURNISHING AND DELIVERING FORAGE AT STABLE "B," COLUMBIA STREET, WEST NEW BRIGHTON, S. I., N. Y.

The Superintendent's estimate of the quantity and quality of the material required is as follows:

No. 1—50,000 lbs. No. 2 Timothy Hay.
No. 2—13,000 lbs. No. 1 Straight Rye Straw.
No. 3—40,000 lbs. No. 3 White Clipped Oats.
No. 4—3,000 lbs. Bran.
No. 5—300 lbs. Oil Meal.
No. 6—8 doz. Salt Bricks.

The time for the completion of the work and the full performance of the contract is by or before December 31st, 1914.

The amount of security shall be 30% of the total amount for which the contract is awarded.

The contracts must be bid for separately, and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bidders are requested to make their bids or estimates upon the blank form prepared by the President, a copy of which, with the proper envelope in which to enclose the bid, 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 said President. Other information may be obtained at the office of the Commissioner of Public Works of the Borough of Richmond, Borough Hall, New Brighton, Borough of Richmond.

CHARLES J. McCORMACK, President.

The City of New York, July 29th, 1914. a6,18

☞ See General Instructions to Bidders on last page, last column, of the "City Record."

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 DOCKS AND FERRIES.

Auction Sale of Lease.

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

Bryan L. Kennelly, Auctioneer, will sell, on behalf of the Department of Docks and Ferries, at Pier "A," foot of Battery Place, North River, Borough of Manhattan, at public auction to the highest bidder on

FRIDAY, AUGUST 14, 1914,

commencing at 11.30 o'clock A. M. for a term of five years beginning September 1, 1914, a lease of the following described property:

The inshore or most easterly dump on the northerly side of the pier at the foot of West 30th Street, North River, Borough of Manhattan, together with the right to use the ramp or approach thereto.

It being understood that the lessee shall not in any way interfere with the operation of the Department of Street Cleaning dumps on the northerly side of said pier.

The lessee shall make all repairs to the dumping board above described.

All repairs to that portion of the ramp or approach extending from the easterly end thereof to the westerly end of the inshore dumping board shall be made by the Department of Street Cleaning, but one-half of the cost thereof, as shown by the books and accounts of the Department of Street Cleaning shall be borne by the lessee.

The lessee shall covenant and agree that he will at all times do such dredging from time to time during the term of said lease as may be considered necessary or proper by the Commissioner of Docks to a depth of at least 20 feet at mean low water, in the basin or slips, or water adjacent at the northerly side of said pier, commencing at the bulkhead line and extending outshore to the westerly end of the inshore or most easterly dumping board.

TERMS AND CONDITIONS OF SALE.

The upset price of the parcel offered for sale will be $5,000 per annum. The Commissioner of Docks reserves the right to reduce the upset price at the time of the sale if in his opinion he deems it advisable so to do.

The auctioneer's fee of Fifty Dollars ($50) must be paid by the purchaser at the time of sale.

The purchaser will be required at the time of the sale to pay, in addition to the auctioneer's fee, to the Department of Docks and Ferries twenty-five per cent (25%) of the amount of the annual rent bid as security for the execution of the lease, which twenty-five per cent (25%) will be applied to the rent first accruing under the lease, when executed, or will be forfeited to the Department of Docks and Ferries if the purchaser neglects or refuses to execute the lease with good and sufficient surety to be approved by the Commissioner of Docks within ten (10) days after being notified that the lease is prepared and ready for execution at the office of the Department of Docks and Ferries, Pier "A," foot of Battery Place, North River.

The Department expressly reserves the right to resell the lease of the premises bid for by those failing, refusing or neglecting to comply with these terms and conditions, the parties so failing, refusing or neglecting to be liable to The City of New York for any deficiency resulting from or occasioned by such resale.

The term for which this lease is sold will commence at the date mentioned in this advertisement, namely, September 1, 1914, and rent will be payable from that date.

No dredging will be done prior to the commencement of the lease in the slip or basin or water immediately adjacent to the premises and the structures thereon must be taken in the condition in which they are at the commencement of the term of the lease, and no claim or demand that the premises or property or any structures thereon are not in suitable and tenantable condition at the comemncement of the term will be allowed by the Commissioner of Docks.

The Commissioner of Docks expressly reserves the right to reject any and all bids if in his judgment he deem it for the best interests of the City of New York so to do. No person will be accepted as a successful bidder who is delinquent on any form of contract with the Department of Docks and Ferries or with the City of New York. No bid will be received from any person who is in arrears to the Department of Docks and Ferries or to the City of New York upon debt or contract, or who is a defaulter as surety or otherwise upon any obligation to the Department of Docks and Ferries or to the City of New York.

The rent shall be paid in four equal quarterly payments in advance.

If by reason of total or partial destruction from any cause the premises hereby leased, or the structures thereon, shall require to be rebuilt, the same shall be so rebuilt under the direction of the Commisisoner of Docks in like manner and similar to the premises destroyed by and at the expense of the lessee and in accordance with plans and specifications submitted to and approved by the Commissioner of Docks.

In case the lessee shall make default or shall neglect to make repairs or rebuilding or do such painting or dredging for the space of ten days after notice so to do shall have been given by the Commissioner of Docks or any proper officer, agent or employee of the Department of Docks and Ferries, then the lease shall be null and void and the lessee will pay to the City of New York such damages as it may have sustained, or the Commissioner of Docks may, at his option, make such repairs and rebuilding, or do such dredging and painting and the full cost and expense thereof shall and will be paid on demand by the lessee to the City of New York, and no claim for damages or for reduction of rent shall be made by the lessee by reason thereof.

No claim or demand will be considered or allowed by the Department for any loss or deprivation from use of said premises or otherwise resulting from or occasioned by any delay on account or by reason of the premises or any part thereof being occupied for or on account of any repairs, rebuilding, painting or dredging.

The lessee will be required upon the execution of the lease to furnish a bond executed by a guaranty or surety company, to be approved by the Commissioner of Docks, in double the amount of the annual rent bid, for the faithful performance of all the covenants and conditions of the lease. In the event that the Commissioner of Docks shall, during the term of said lease, for any reason whatsoever, deem it advisable that other surety or sureties should be substituted in lieu of the surety or sureties upon the bond, then, and in such event, the lessee shall and will, whenever so ordered by the Commissioner of Docks, furnish a new bond with such surety or sureties as may be approved by him in lieu of the bond originally furnished.

The lessee will be required to agree that he will at all times keep posted in at least two conspicuous places upon the pier, printed in large type so that the same can be readily seen by pasers-by on the adjacent marginal street the prices to be charged to the public for the privilege of dumping, and that the maximum prices to be charged to the public shall be as follows:

For single dump cars, not exceeding 40 cents.

For single trucks, not exceeding 50 cents.

For double trucks, not exceeding 70 cents.

Rubbish and light material, 20 cents additional per truck.

—it being understood and agreed that the establishment of such maximum or limiting prices does not prevent the lessee, at his option, from charging lower rates, and that during the life of the lease the Commissioner of Docks may, in his discretion, increase but not decrease said maximum or limiting prices, but such prices shall only be increased after the establishment of justifying facts as to market conditions at a public hearing before him.

The lessee will be required to agree that he will at all times during the term of the lease keep true and correct books of account, showing moneys received, the quantity of material dumped and where disposed of, the rates charged therefor and the names of persons using the dump, and that said books of account shall at

all times during the term of the lease be open to inspection by the Commissioner of Docks or his authoirzed representative.

The lessee will be required to agree that he will at all times during the term of the lease continue to operate a dumping board on the premises leased and that said dumping board shall be public to all, and that no application for dumping privileges shall be refused until the maximum capacity of the board is reached, and that there shall be no discrimination in price charged either by special rate or rebate.

The premises demised, or any part thereof, shall not be used as a stable nor for the sorting or storage of rags, barrels, boxes or refuse of any kind, and the premises shall at all times be kept in a clean and sanitary condition to the satisfaction of the Commissioner of Docks.

The establishment of violation of any of the terms and conditions herein contained as fact in the judgment of the Commissioner of Docks shall be sufficient ground for the cancellation of the lease, and in such event the lessee will make no claim of any kind whatsoever for damages against The City of New York.

The lessee will be required to agree that if at any time during the term hereby created the Commissioner of Docks shall determine to proceed with the work of building or rebuilding wharves, piers, bulkheads, basins, docks or slips within a section or district of the waterfront which shall include the premises hereinbefore described, according to any plan or plans now adopted and approved, or which may hereafter be adopted and approved, and pursuant to any existing or future law, and if the said Commissioner of Docks shall determine that for the purpose of such building or rebuilding it will be necessary to terminate the interest of the lessee in the property hereby leased, or any part thereof, then upon service upon the lessee of written notice from the Commissioner of Docks to that effect, the interest of the lessee in the said property, or part thereof, shall be thereby terminated and the rent hereby reserved shall cease from the date specified in said notice, and no calim for damages or compensation in favor of the lessee by reason of the termination of such interest or to, or on account of any construction or improvement that may have been erected by the lessee shall, at any time, be made by the lessee or by any person or persons whomsoever.

The remaining terms and conditions of the lease shall be similar to those contained in leases of wharf property now used by the Department of Docks and Ferries, copies of which may be seen and examined at the office of the Department, Pier "A," foot of Battery Place, North River, Borough of Manhattan.

RICHARD C. HARRISON, First Deputy and Acting Commisisoner of Docks.

July 31, 1914. a3,14

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

FRIDAY, AUGUST 14, 1914,
Borough of Manhattan,
CONTRACT NO. 1435.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR MAKING REPAIRS TO PIER AT EAST 117TH STREET, HARLEM RIVER, BOROUGH OF MANHATTAN.

The time for the completion of the work and the full performance of the contract is on or before the expiration of sixty (60) calendar days.

The amount of security required is $3,000.00.

The bidder shall state, both in writing and in figures, a price for furnishing all of the labor and material and for doing all of the work as called for. The contract is entire and for a complete job, and if awarded will be awarded to the bidder whose price is the lowest for doing all of the work and whose bid is regular in all respects.

In case of discrepancy between the written price and that given in figures the price in writing will be considered as the bid.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

RICHARD C. HARRISON, First Deputy and Acting Commissioner of Docks.

Dated July 31, 1914. a3,14

☞See General Instructions to Bidders on last page, last column, of the "City Record."

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

FRIDAY, AUGUST 14, 1914,
CONTRACT NO. 1429.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR DRY DOCKING, SCRAPING, SCALING, CLEANING, PAINTING, ETC., THE HULLS OF THE MUNICIPAL FERRYBOATS.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 180 calendar days.

The amount of security required is $1,000.

The bidder shall state, both in writing and in figures, a total price for furnishing all of the labor and material and for doing all of the work called for. The contract is entire and for a complete job, and if awarded will be awarded to the bidder whose price is lowest for doing all of the work and whose bid is regular in all respects.

In case of discrepancy between the written price and that given in figures the price in writing will be considered as the bid.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

RICHARD C. HARRISON, First Deputy and Acting Commissioner of Docks.

Dated July 31, 1914. a3,14

☞See General Instructions to Bidders on last page, last column, of the "City Record."

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

MONDAY, AUGUST 17, 1914,
Borough of Brooklyn.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR ESTABLISHING AND EQUIPPING AN EXTENSION TO THE FIRE ALARM TELEGRAPH SYSTEM.

The time for the completion of the work and the full performance of the contract is Ninety (90) days.

The amount of security required is Fifty per cent. (50%) of the bid or estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained at the office of the Fire Department, eleventh floor, Municipal Building, Manhattan.

ROBERT ADAMSON, Fire Commissioner.

a5,17

☞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

MONDAY, AUGUST 17, 1914,
Borough of Manhattan.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR MOVING AND ALTERATIONS TO QUARTERS OF HOOK & LADDER CO. 8, NORTH MOORE AND VARICK STREETS.

The time for the completion of the work and the full performance of the contract is Eighty (80) days.

The amount of security required is Fifty per cent. of the amount of the bid or estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Fire Department, Eleventh Floor, Municipal Building.

ROBERT ADAMSON, Fire Commissioner.

a5,17

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF PARKS.

Proposals.

OFFICE OF THE 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, AUGUST 13, 1914,
Borough of The Bronx.

FOR FURNISHING AND DELIVERING 60,000 GALLONS REFINED COAL TAR FOR PARKS, BOROUGH OF THE BRONX.

The time allowed for the completion of the contract is Sixty (60) calendar days.

The amount of security required is thirty (30) per cent. of the total amount for which the contract is awarded.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and other information may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, Borough of The Bronx.

CABOT WARD, President; THOS. W. WHITTLE, RAYMOND V. INGERSOLL, JOHN E. WEIER, Park Commissioners. a1,13

☞See General Instructions to Bidders on last page, last column, of the "City Record."

OFFICE OF THE 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, AUGUST 13, 1914,
Borough of The Bronx.

FOR FURNISHING AND DELIVERING 1,500 CU. YDS. GRITS (NO. 3, 1914) FOR PARKS, BOROUGH OF THE BRONX.

The time allowed for the completion of the contract is Sixty (60) calendar days.

The amount of security required is thirty (30) per cent. of the total amount for which the contract is awarded.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and other information may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, Borough of The Bronx.

CABOT WARD, President; THOS. W. WHITTLE, RAYMOND V. INGERSOLL, JOHN E. WEIER, Park Commissioners. a1,13

☞See General Instructions to Bidders on last page, last column, of the "City Record."

OFFICE OF THE 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, AUGUST 13, 1914,
Borough of The Bronx.

FOR FURNISHING AND DELIVERING PAINTERS SUPPLIES (No. 2, 1914) FOR PARKS, BOROUGH OF THE BRONX.

The time allowed for the completion of the contract is Thirty (30) calendar days.

The amount of security required is thirty (30) per cent. of the total amount for which the contract is awarded.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and other information may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, Borough of The Bronx.

CABOT WARD, President; THOS. W. WHITTLE, RAYMOND V. INGERSOLL, JOHN E. WEIER, Park Commissioners. a1,13

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF HEALTH.

Resolution Adopted.

AT A MEETING OF THE BOARD OF Health of the Department of Health held July 28, 1914, the following resolution was adopted:

Resolved, That the rules and regulations adopted by the Board of Health May 20, 1913, in reference to Day Nurseries, be and the same are hereby amended so as to read as follows:

1. Each child must be inspected on admission and if suspicious signs of contagious disease are noted, the child must be placed in the isolation room and kept entirely apart from the other children, and the Department of Health notified at once.

2. An isolation room for cases of suspected contagious diseases shall be provided.

3. All rooms devoted to nursery or kindergarten purposes shall be above the street level unless there is a cellar underneath the room so occupied.

4. The premises shall at all times be kept in a clean and sanitary condition. Dry dusting or sweeping is prohibited.

5. Adequate ventilation, lighting and heating shall be provided. Except in extremely cold weather, adequate ventilation must be maintained by means of open windows.

6. A well ventilated room for children's outer garments shall be provided. In this room the clothing removed from the children in the morning must be placed.

7. A minimum of 200 cubic feet of air space for each child shall be provided.

8. Each iron bed or crib shall be placed so that there will be a space of two feet on all sides except where the head or sides of a bed or crib may touch the wall.

9. Woven wire springs shall be provided, over which a folded blanket, protected by rubber or oilcolth sheeting, must be placed. Mattresses are not allowed.

10. The use of common wash cloths, towels, combs and hair brushes is prohibited.

11. All diapers that have become soiled during the day shall be immediately placed in water and thereofter thoroughly washed and boiled. No diapers in an unclean condition shall be removed from the premises.

12. Unless the clothing worn by a child is thoroughly clean on admission, a suitable overapron (the property of the day nursery) shall be worn through the day, and each individual apron shall be marked for identification, unless a clean apron is provided daily.

13. Adequate care must be taken of the milk, bottles and nipples used in infant feeding.

14. No more children shall be admitted daily than are allowed by the permit of the Board of Health.

15. Each Day Nursery in the City of New York shall have attached thereto a regular physician of its selection, duly licensed under the laws of the State, and in good professional standing, and immediately upon the appointment of said physician, the Day Nursery shall notify the Director of the Bureau of Child Hygiene of the name and address of said physician.

It shall be the duty of such physician:

a. To make a systematic examination of every regularly attending child at least twice a month, said examinations to be made at least two weeks apart.

b. To examine each child applying for admission and if suspicious signs of infectious disease are noted, to have such child placed in the isolation room, separate and apart from other children, and immediately notify the Department of Health, or if such child is found free from infectious disease, to issue a certificate to that effect and deliver same to the Matron-in-charge of the Nursery.

c. To take a vaginal smear from every female child applying for admission and forward same to the Department of Health for examination, and not to issue a certificate of admission as provided in Rule 2, unless the result of the examination of such smear shall be negative.

d. To take later vaginal smears from all female children who have been denied admission because of gonorrhœal vaginitis, or to have such smears taken by an inspector of the Department of Health.

16. It shall be the duty of the Matron-in-charge of each Day Nursery in the City of New York:

a. To have on file, in the office of the Nursery, an original certificate of health, signed by the nursery physician, for each child that is a regular attendant.

b. To have on file, in the office of the Nursery, a record that each child regularly attending has been examined by the nursery physician at least twice a month, the said examinations to be not less than two weeks apart.

c. To prevent the admission of chidlren to the nursery until after they have been examined by the nursery physician and a certificate to the effect that they are free from infectious disease, has been issued.

d. To notify the Department of Health and the Nursery Physician immediately, by telephone, of any suspicious rash or illness which appears among the children, during the absence of the nursery physician, and to isolate any child or children so affected in the isolation room.

e. To make daily inquiry of each mother or other person bringing the child, as to whether or not any sickness exists in the child's home, and if any suspicion is aroused as to the possibility of such home sickness being of an infectious nature, the child shall be excluded and the Departemnt of Health notified, and such exclusion shall continue until a certificate of the Department of Health is furnished, to the effect that the premises referred to are free from infectious disease.

f. To require that every certificate of health for a female child shall not be considered complete unless attached thereto is a certificate of the Department of Health to the effect that the examination of the vaginal smear is negative.

g. To exclude any female child who has been shown by examination of a vaginal smear to be affected with gonorrhoeal vaginitis unless accompanied by a certificate of the Department of Health to the effect that two smears taken on successive days have shown negative results.

h. To enforce all rules and regulations of the Department of Health for the conduct of Day Nurseries, in so far as they relate to lighting, heating, ventilation, cleanliness and general sanitary condition of the Day Nursery under her charge, and the care and maintenance of the attending children and their clothing, and the character and method of preservation of food.

NOTE: The Department of Health will assume the responsibility of instructing the day nursery physicians in the technique of making smears for the detection of the bacilli of gonorrhoea.

The selected physicians should be notified by the day nursery authorities to apply to the Diagnosis Laboratory of the Department of Health for such assistance and instruction.

Failure to observe these rules may result in the revocation of the permit.

A true copy.

a4,11 EUGENE W. SCHEFFER, Secretary.

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

FRIDAY, AUGUST 14, 1914,

FOR FURNISHING AND DELIVERING AS REQUIRED, DOCTORS' AND NURSES' GOWNS AND UNIFORMS, WAITRESSES' DRESSES AND APRONS, TEXTILES, DRY GOODS AND NOTIONS, TO THE HOSPITALS, DAY CAMPS AND THE TUBERCULOSIS SANATORIUM OF THE DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK, DURING THE YEAR 1914.

The time for the delivery of the supplies and the performance of the contract is during the year 1914.

No bond will be required with the bid, as heretofore, but will be required upon awarding of the contract in an amount equal to 30 per cent. of the contract. The bid, however, must be accompanied by a deposit of an amount of not less than 1½ per cent. of the amount of the bid. (As to form of deposit, see general instructions, last column, last page.)

Bids will be compared and the contract awarded to the lowest bidder for each item.

Samples and blank forms 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.

SIGISMUND S. GOLDWATER, M. D., President; ARTHUR WOODS, JOSEPH J. O'CONNELL, M. D., Board of Health.

Dated Aug. 3, 1914. a1,14

☞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, Borough of Brooklyn, at the above office until 11 o'clock A. M., on

FRIDAY, AUGUST 21, 1914.

NO. 1. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR RECONSTRUCTING SEWERS IN AVENUE V BETWEEN WEST 7TH AND WEST 8TH STREETS.

The Engineer's preliminary estimate of the quantities is as follows:

55 linear feet of 108 inch storm water sewer, reconstructed complete, including all incidentals and appurtenances; per linear foot, $33.00.....	$1,815.00
65 linear feet of 42 inch sanitary sewer, reconstructed complete, including all incidentals and appurtenances; per linear foot, $5.00.....	325.00
200 feet, Board Measure, of foundation planking, laid in place complete, including all incidentals and appurtenances; per thousand feet, Board Measure, $30.00	6.00
Total	$2,146.00

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 Dollars ($1,000.00).

NO. 2. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR RECONSTRUCTING SEWER IN 14TH AVENUE, BETWEEN 61ST AND 62ND STREETS.

The Engineer's preliminary estimate of the quantities is as follows:

92 linear feet of 36 inch cast iron pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $17.25.....	$1,587.00
One (1) manhole complete, with iron head and cover, including all incidentals and appurtenances; per manhole, $160.00	160.00
Total	$1,747.00

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 Eight Hundred and Fifty Dollars ($850.00).

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.

a10,21 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

WEDNESDAY, AUGUST 12, 1914,

NO. 1. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER IN 15TH AVENUE, FROM 42ND STREET TO 44TH STREET.

The Engineer's preliminary estimate of the quantities is as follows:

497 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $2.00	$994.00
765 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, $0.85	650.25
6 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50.00	300.00
4,000 feet, Board Measure, of sheeting and bracing, driven in place complete, including all incidentals and appurtenances; per thousand feet, Board Measure, $18.00	72.00
Total.....	$2,016.25

The time allowed for the completion of the work and full performance of the contract will be Thirty-five (35) working days.

The amount of security required will be One Thousand Dollars ($1,000.00).

NO. 2. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS ON 12TH AVENUE, AT THE NORTH, EAST AND WEST CORNERS OF BENSON AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

Three (3) sewer basins comlete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $120.00	$360.00

The time allowed for the completion of the work and full performance of the contract will be Twelve (12) working days.

The amount of security required will be One Hundred and Seventy-five Dollars ($175.00).

NO. 3. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS ON NEW JERSEY AVENUE, AT THE NORTHEAST AND NORTHWEST CORNERS OF RIVERDALE AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

Two (2) sewer basins complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $150.00	$300.00

The time allowed for the completion of the work and full performance of the contract will be Twelve (12) working days.

The amount of security required will be One Hundred and Fifty Dollars ($150.00).

NO. 4. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING A SEWER BASIN ON BENSON AVENUE, AT THE WESTERLY CORNER OF BAY 29TH 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, $120.00 ..... $120.00

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).

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.

jy31,a12 L. H. POUNDS, President.

☞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

TUESDAY, AUGUST 18, 1914,

NO. 1. FOR CONSTRUCTING SEWER AND APPURTENANCES IN ALBANY CRESCENT, BETWEEN WEST 231ST STREET AND BAILEY AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

545 linear feet Vitrified Pipe Sewer, 12 inch.
50 linear feet Vitrified Pipe Drains, 12 inch to 24 inch.
80 Spurs for House Connections.
6 Manholes.
100 cubic yards of Rock Excavation.
35 cubic yards of Concrete, Class C.
1,000 feet (B. M.) of Timber Sheeting.

The time allowed for the completion of the work will be sixty (60) consecutive working days.

The amount of security required will be One thousand two hundred ($1,200) Dollars.

NO. 2. FOR CONSTRUCTING SEWER AND APPURTENANCES IN GLOVER STREET, BETWEEN LYON AVENUE AND ST. RAYMOND AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

97 linear feet Vitrified Pipe Sewer, 15 inch.
470 linear feet Vitrified Pipe Sewer, 12 inch.
25 linear feet Vitrified Pipe Drains, 12 inch to 24 inch.
72 Spurs for House Connections.
6 Manholes.
50 cubic yards of Rock Excavation.
35 cubic yards of Concrete, Class C.
1,000 feet (B. M.) of Timber Sheeting.

The time allowed for the completion of the work will be sixty (60) consecutive working days.

The amount of security required will be One thousand two hundred and fifty ($1,250) Dollars.

NO. 3. FOR CONSTRUCTING SEWER AND APPURTENANCES IN WESTCHESTER AVENUE, BETWEEN THIRD AVENUE AND BROOK AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

416 linear feet of Vitrified Pipe Sewer, 24 inch.
284 linear feet of Vitrified Pipe Sewer, 18 inch.
25 linear feet of Vitrified Pipe Drains, 12 inch to 24 inch.
40 Spurs for House Connections.
7 Manholes.
10 cubic yards of Rock Excavation.
75 cubic yards of Concrete, Class C.
10,000 feet (B. M.) of Timber Sheeting.

The time allowed for the completion of the work will be one hundred (100) consecutive working days.

The amount of security required will be Two thousand five hundred ($2,500) Dollars.

NO. 4. FOR PAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF KELLY STREET, FROM INTERVALE AVENUE NORTHERLY TO EAST 163D STREET, AND SETTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO (PERMANENT PAVEMENT).

The Engineer's estimate of the work is as follows:

1,530 square yards Sheet Asphalt Pavement (Medium Traffic Mixture), and keeping the pavement in repair for five years from date of acceptance.
310 cubic yards Class B Concrete.
200 linear feet New Curb.
730 linear feet 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 One thousand eight hundred ($1,800) Dollars.

NO. 5. 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. 6. 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 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.

NO. 7. FOR REGULATING, GRADING, FLAGGING SIDEWALKS AND ERECTING FENCES WHERE NECESSARY IN EAST 166TH STREET, FROM BROOK AVENUE TO THE NEW YORK AND HARLEM RAILROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

25 Cu. Yds. Earth Excavation.
100 Cu. Yds. Filling.
2,100 Sq. Ft. One Course Concrete sidewalk.
40 Cu. Yds. Dry Rubble Masonry.
50 Lin. Ft. Guard Rail.

The time allowed for the completion of the work will be twenty (20) consecutive working days.

The amount of security required will be Two hundred and fifty ($250) Dollars.

NO. 8. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES WHERE NECESSARY IN ALLERTON AVENUE FROM BRONX PARK EAST TO WHITE PLAINS ROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

550 Cu. Yds. Earth Excavation.
1,150 Cu. Yds. Rock Excavation.
14,450 Cu. Yds. Filling.
1,400 Lin. Ft. New Curb.
6,960 Sq. Ft. One Course Concrete Sidewalk.
460 Sq. Ft. New Bridgestone.
80 Cu. Yds. Dry Rubble Masonry.
10 Cu. Yds. Rubble Masonry in mortar.
75 Lin. Ft. Vitrified Pipe, 18 inch in diameter.
3,000 feet (B. M.) Timber.
500 Lin. Ft. New Guard Rail.

The time allowed for the completion of the work will be One hundred and twenty (120) consecutive working days.

The amount of security required will be Five thousand five hundred ($5,500) Dollars.

NO. 9. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES, ERECTING FENCES WHERE NECESSARY AND BUILDING STEPS AND APPURTENANCES WHERE REQUIRED IN UNNAMED STREET, FROM ROGERS PLACE AND EAST 165TH STREET WESTWARDLY TO EAST 165TH STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

650 Cu. Yds. Earth Excavation.
50 Cu. Yds. Rock Excavation.
50 Cu. Yds. Filling.
50 Lin. Ft. New Bluestone curb.
100 Lin. Ft. Old Curb.
2,200 Sq. Ft. Cement Flagging.
15 Cu. Yds. Rubble Masonry in mortar.
10 Cu. Yds. Class "B" Concrete.
205 Cu. Ft. Granite Steps.
90 Cu. Ft. Granite Coping.
90 Lin. Ft. Iron Pipe Railing.
1 Subway, Conduit system.
6 Cast Iron Lamp Posts.
5,850 Sq. Ft. Sodding.

The time allowed for the completion of the work will be fifty (50) consecutive working days.

The amount of security required will be One thousand three hundred ($1,300) Dollars.

NO. 10—FOR PAVING WITH BITUMINOUS CONCRETE ON A CEMENT CONCRETE FOUNDATION, THE ROADWAY OF CASTLE HILL AVENUE, FROM WESTCHESTER AVENUE TO TURNBULL AVENUE, ADJUSTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO (PRELIMINARY PAVEMENT).

The Engineer's estimate of the work is as follows:

24,250 Sq. Yds. Bituminous Concrete Pavement, and keeping the pavement in repair for five years from date of acceptance.
2,830 Cu. Yds. Class B Concrete.
3,400 Lin. Ft. Curbstone, adjusted.

The time allowed for the completion of the work will be sixty (60) consecutive working days.

The amount of security required will be Eighteen thousand five hundred ($18,500) dollars.

NO. 11—FOR SETTING CURBSTONES AND FLAGGING ON THE WEST SIDE OF SEDGWICK AVENUE, FROM PEROT STREET TO FT. INDEPENDENCE STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

675 Lin. Ft. New Curb.
3,410 Sq. Ft. Concrete sidewalk (including maintenance for one year).

The time allowed for the completion of the work will be twenty (20) consecutive working days.

The amount of security required will be Five hundred ($500) dollars.

NO. 12—FOR PAVING WITH BITUMINOUS PAVEMENT ON A CONCRETE FOUNDATION, THE ROADWAY OF TREMONT AVENUE, FROM WESTCHESTER AVENUE TO LUDLOW AVENUE, ADJUSTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO (PRELIMINARY PAVEMENT).

The Engineer's estimate of the work is as follows:

23,400 Sq. Yds. Bituminous Concrete Pavement, outside of railroad area, and keeping the pavement in repair for five years from date of acceptance.
2,150 Sq. Yds. Bituminous Concrete Pavement, in Railroad Area.
2,900 Cu. Yds. of Class B Concrete.
5,000 Lin. Ft. Curbstone, adjusted.

The time allowed for the completion of the work will be One hundred (100) consecutive working days.

The amount of security required will be Nineteen thousand ($19,000) Dollars.

NO. 13—FOR CONSTRUCTING SEWERS AND APPURTENANCES IN WATSON AVENUE, BETWEEN THERIOT AVENUE AND BEACH AVENUE; BEACH AVENUE, BETWEEN WATSON AVENUE AND WESTCHESTER AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows.

232 Lin. Ft. Concrete Sewer, 38" x 50".
250 Lin. Ft. Concrete Sewer, 29" x 40".
799 Lin. Ft. Vitrified Pipe Sewer, 30 inch.
200 Lin. Ft. Vitrified Pipe Sewer, 15 inch.
409 Lin. Ft. Vitrified Pipe Sewer, 12 inch.
55 Lin. Ft. Basin connections.
50 Lin. Ft. Vitrified Pipe Drains, 12" to 24".
263 Spurs for House Connections.
19 Manholes.
2 Receiving Basins, Type B.
1,250 Cu. Yds. Rock Excavation.
580 Cu. Yds. Concrete, Class A.
45 Cu. Yds. Concrete, Class C.
11,500 pounds of Steel Reinforcement Bars.
6,000 feet (B. M.) Timber.
5,000 feet (B. M.) Timber Sheeting.
6,700 Lin. Ft. of Piles.

The time allowed for the completion of the work will be two hundred (200) consecutive work days.

The amount of security required will be Ten thousand ($10,000) Dollars.

NO. 14—FOR CONSTRUCTING SEWER AND APPURTENANCES IN PLIMPTON AVENUE, BETWEEN BOSCOBEL AVENUE AND FEATHERBED LANE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

382 Lin. Ft. Vitrified Pipe Sewer, 15 inch.
1,020 Lin. Ft. of Vitrified Pipe Sewer, 12 inch.
70 Lin. Ft. Basin Connections.
100 Lin. Ft. of Vitrified Pipe Drains, 12 inch to 24 inch.
200 Spurs for House Connections.
15 Manholes.
3 Receiving Basins, Type B.
500 Cu. Yds. Rock Excavation.
250 Cu. Yds. Concrete, Class C.
8,700 pounds Steel Reinforcement Bars.
5,000 feet (B. M.) Timber.
5,000 feet (B. M.) Timber Sheeting.
4,000 Lin. Ft. of Piles.

The time allowed for the completion of the work will be One hundred and fifty (150) consecutive working days.

The amount of security required will be Four thousand five hundred ($4,500) 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.

a5,18

☞See General Instructions to Bidders on last page, last column, of the "City Record."

POLICE DEPARTMENT.

Proposals.

POLICE DEPARTMENT OF THE CITY OF NEW YORK, CENTRAL DEPARTMENT, BOROUGH OF MANHATTAN.

SEALED BIDS OR ESTIMATES WILL BE received by the Police Commissioner of the Police Department of The City of New York, at the Bookkeeper's Office, Headquarters of the Police Department, 240 Centre st., Borough of Manhattan, in The City of New York, until 10 o'clock a. m. on

TUESDAY, AUGUST 18, 1914,

FOR FURNISHING ALL THE LABOR AND FURNISHING AND ERECTING ALL THE MATERIALS NECESSARY TO FURNISH AND INSTALL THE ELECTRIC LIGHT AND GAS FIXTURES IN THE NEW STATION-HOUSE, PRISON AND GARAGE FOR THE THIRTY-SEVENTH PRECINCT, ON THE GROUND AND PREMISES IN THE CITY OF NEW YORK, NOS. 229, 231, 233 AND 235 W. 123D ST., BOROUGH OF MANHATTAN.

The time allowed for the erection and completion of the entire work will be sixty (60) working days.

The security required will be fifty (50) per cent. of the amount of bid or estimate.

No bid will be considered unless it is accompanied by a deposit which shall be in an amount not less than five per centum of the amount of the bond required.

Bidders will write out the total amount of their estimates in addition to inserting the same in figures.

The Commissioner reserves the right to reject all bids or estimates if he deems it to be for the interest of the City so to do.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Police Department, a copy of which, with the proper envelope in which to inclose the bid, together with the form of contract and specifications, can be obtained upon application therefor at the office of Beverly S. King, architect, 103 Park Ave., Borough of Manhattan, in The City of New York, where the plans which are made a part of the specifications can be seen.

A. WOODS, Police Commissioner.

New York, August 5th, 1914. a6,18

☞See General Instructions to Bidders on last page, last column, of the "City Record."

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 ASSESSORS.

Notice to Present Claims for Damages.

PUBLIC NOTICE IS HEREBY GIVEN TO all persons claiming to have been injured by a change of grade in the regulating and grading of the following named streets to present their claims, in writing, to the Secretary of the Board of Assessors, Room 809, Municipal Building, on or before August 25th, 1914, at 10 o'clock a. m. Claimants are requested to make their claims for damages upon the blank form prepared by the Board of Assessors, copies of which may be obtained upon application at the above office.

Borough of The Bronx.

4249. Gray Street from Tremont Avenue to Unionport Road.

Borough of Queens.

4245. Central Avenue, west side, from Sanford to Madison Avenues, 3rd Ward.

4247. Cypress Avenue from Gates to Myrtle Avenues and from Manhattan Beach Division of the Long Island Railroad to Vermont Avenue, 2nd Ward.

4250. Freedom Avenue (Union Place) from Colby Street to Kimball Avenue, 4th Ward.

4251. 11th Avenue from Grand Avenue to Newtown Road, 1st Ward.

Borough of Brooklyn.

4212. 23rd Avenue between 79th and 86th Streets.

4243. East 21st Street from Avenue M to Kings Highway.

4252. Maple Street from Albany to Troy Avenues.

4253. 95th Street from Shore Road to Marine Avenue.

4258. 2nd Avenue from 6th Street to Gowanus Canal.

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.

August 8th, 1914. a8,19

Completion of Assessments.

PUBLIC NOTICE IS HEREBY GIVEN TO the owner or owners of all houses and lots, improved or unimproved lands affected thereby, that the following proposed assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

Borough of Manhattan.

4071. Constructing a Tunnel Street from Broadway, near Fairview Avenue, to the Subway Station at West 191st Street and St. Nicholas Avenue. Affecting block numbers 2167, 2170 and 2180.

4137. Regulating, grading, curbing and flagging Hillside Avenue between Broadway and Nagle Avenue. Affecting block numbers 2170, 2171 and 2173.

4186. Repairing sidewalks on the south side of 144th Street, commencing about 150 feet west of Broadway and running west 50 feet. Affecting block number 2090.

4226. Constructing receiving basins on the easterly side of Amsterdam Avenue, about 15 feet south of the southerly curb line of Manhattan Street and on the northerly side of 126th Street, about 25 feet west of the westerly curb line of Amsterdam Avenue. Affecting block numbers 1966 and 1981.

Borough of Queens.

4126. Rebuilding and improving of the Outlet of the Broadway Sewer from Vernon Avenue into the East River, First Ward. Affecting block numbers 1 to 17, inclusive; 31 to 48, inclusive; 58 to 81, inclusive; 86 to 98, inclusive; 103 to 108, inclusive; from 111 to 115, inclusive; 120 to 124, inclusive; 127 to 131, inclusive; 136 to 140, inclusive; 143 to 147, inclusive; from 152 to 155, inclusive; 157; 160; 162 to 165, inclusive; 168 to 174, inclusive; 178 to 185, inclusive; 188 to 195, inclusive; 198; 200 to 205, inclusive; 208 to 214, inclusive; 216 to 221, inclusive; 224 to 229, inclusive; 231 to 236, inclusive; 238 to 250, inclusive, and 255.

4146. Regulating, grading, curbing and sidewalks and crosswalks in Fairview Avenue from Woodbine Street to Gates Avenue, 2nd Ward.

4148. Regulating, grading, curbing and flagging Hancock Street from Cypress Avenue to Wyckoff Avenue, 2nd Ward.

4152. Regulating, grading, curbing, flagging and paving Skillman Place between Jackson and Hunter Avenues and Hunter Avenue between Skillman Place and Academy Street, 1st Ward.

The area of assessment extends to within one-half the block at the intersecting and terminating streets and avenues.

4149. Regulating the sidewalk spaces and laying sidewalks (where not already laid to grade and in good condition) on west side of Napier Avenue (Napier Place) from Atlantic Avenue to Jamaica Avenue, 4th Ward. Affecting property in front of which work was done.

Borough of The Bronx.

4128. Sewer and appurtenances in Liebig Avenue from West 259th Street to West 260th Street and a temporary connection at Liebig Avenue and West 260th Street; West 260th Street between Liebig and Riverdale Avenues; Riverdale Avenue between West 260th and West 261st Streets. Affecting block numbers 3423 and 3426.

4189. Flagging and reflagging the sidewalks on the southerly side of Gun Hill Road from about 46.5 feet east of Kingsland Avenue, easterly for a distance of about 142 feet. Affecting block number 4538.

Borough of Brooklyn.

4085. Sewers and appurtenances in Union Street between Utica and Rochester Avenues; in President Street between Utica and Rochester Aves.; in Rochester Avenue between Union and Carroll Streets; in Carroll Street between Utica and East New York Aves.; temporary connection in Carroll Street at Rochester Avenue; temporary connection in East New York Avenue between Buffalo Avenue and East 98th Street, and in Utica Avenue between President and Carroll Streets and temporary connection at Carroll Street. Affecting block numbers 1396, 1397, 1398, 1402, 1403, 1408, 1409, 1410, 1415 and 1416.

4088. Sewer and appurtenances in Bullion (now Skillman Avenue) between Kingsland and Debevoise Avenues and between Debevoise and Morgan Avenues. Affecting block numbers 2885, 2886, 2894 and 2895.

4091. Sewer and appurtenances in East 4th Street between Fort Hamilton and Caton Avenues. Affecting block numbers 5317 and 5318.

4093. Sewer and appurtenances in East 29th Street between Avenues J and K. Affecting block numbers 7610 and 7611.

4096. Receiving basin on 56th Street, northeast corner of 11th Avenue. Affecting block number 5681.

4097. Sewer and appurtenances in Montgomery Street between East 7th and East 8th Streets. Affecting block number 5330.

4099. Sewer and appurtenances in Robinson Street between Bedford and Rogers Avenues. Affecting block numbers 5049 and 5056.

4102. Sewer and appurtenances in Suydam Street between St. Nicholas Avenue and the Borough Line. Affecting block numbers 3212, 3213, 3223 and 3224.

4170. Sewer and appurtenances in Covert Street between Knickerbocker Avenue and the Borough Line near Irving Avenue. Affecting block numbers 3419 and 3425.

4171. Receiving basins at northwest and southwest corners of Dumont and Miller Avenues. Affecting block numbers 3793 and 3810.

4173. Receiving basin at southwest corner of East 2nd Street and Avenue C. Affecting block number 5370.

4174. Sewer and appurtenances in East 35th Street from Clarendon Road to Canarsie Lane. Affecting block numbers 4934 and 4935.

4176. Sewer and appurtenances in 15th Avenue between 41st and 42nd Streets. Affecting block numbers 5344 and 5363.

4222. Sewer and appurtenances in Douglas Street from Blake Avenue to Dumont Avenue. Affecting block numbers 3554 and 3555.

4114. Regulating, grading, curbing and flagging Church Avenue between Brooklyn and Albany Avenues.

4115. Regulating, grading, curbing and flagging East 2nd Street from Avenue I to 22nd Avenue.

4118. Regulating, grading, curbing and flagging 68th Street from New Utrecht Avenue to 16th Avenue.

4119. Regulating, grading, curbing and flagging 77th Street between 10th and 11th Avenues.

4122. Paving Carroll Street from Franklin to Bedford Avenues.

4130. Regulating, grading, curbing and flagging Matthews Place between Coney Island Avenue and Strattford Road.

4154. Preliminary pavement on Amboy Street between Sutter and Blake Avenues.

4155. Preliminary pavement on Barrett Street between East New York and Blake Avenues.

4156. Preliminary pavement on Crown Street between Franklin and Bedford Avenues.

4157. Preliminary pavement on East 35th Street from Tilden Avenue to Beverley Road.
4160. Preliminary pavement on Georgia Avenue between Belmont and Sutter Avenues.
4161. Preliminary pavement on 94th Street between Marine and 4th Avenues.
4162. Paving Saratoga Avenue between Pitkin and Sutter Avenues.
4164. Preliminary pavement and curbing on Sterling Place between Howard and Ralph Avenues.
4166. Preliminary pavement on Union Street from Bedford to Rogers Avenues.
4167. Regulating, grading, curbing and flagging East 35th Street between Newkirk and Foster Avenues.
4169. Regulating, grading, curbing and paving Stephens Court between East 23rd Street and Flatbush Avenue.
4187. Preliminary pavement on Troutman Street between Irving and St. Nicholas Avenues.
4192. Regulating, grading, curbing and flagging on East 9th Street between Avenues L and M.
4196. Regulating, grading, curbing and flagging Vandervoort Avenue from Lombardy Street to Meeker Avenue.
4197. Regulating, grading, curbing and flagging Willoughby Avenue between St. Nicholas and Cypress Avenues.
4198. Regulating, grading, curbing and flagging Avenue K from Flatbush Avenue to East 34th Street.
4199. Regulating, grading, curbing and flagging East 17th Street from Avenue N to Avenue M.
4202. Regulating, grading, curbing, flagging and laying a preliminary asphalt pavement on Vanderveer Place from East 23rd Street to Flatbush Avenue.
4206. Paving 19th Street from 3rd Avenue to a point 500 feet westerly of 3rd Avenue.

The area of assessment in the above mentioned lists extends to within one-half the block at the intersecting and terminating streets and avenues.

4203. Laying cement sidewalks on both sides of East 16th Street from Newkirk Avenue to a point about 140 feet northerly thereof. Affecting property in front of which work was done.
4205. Laying cement sidewalks on south side of St. John's Place between Schenectady and Utica Avenues; south side of St. John's Place between Underhill and Washington Avenues; both sides of 6th Street between 4th and 5th Avenues; north side of Clarkson Street between Nostrand and New York Avenues; east side of 4th Avenue between Union and President Streets; north side of Pacific Street between Columbia and Emmet Streets. Affecting property in front of which work was done.
4168. Regulating, grading, curbing and flagging Sutter Avenue from a point 100 feet east of Crescent Street to Sheridan Avenue.

The area of assessment extends to within one-half the block at the intersecting and terminating streets and avenues.

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 September 8th, 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.
August 8th, 1914. a8,19

MUNICIPAL CIVIL SERVICE COMMISSION.

Proposed Amendment to Rules.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, August 10, 1914.
PUBLIC NOTICE IS HEREBY GIVEN OF the proposed amendment of Rule XIX (The Labor Class) by striking from clause 9 the following paragraph: "No application shall remain in force which, on any such date, has run for two years or longer without a call for examination; unless, with the consent of the Commission, it be renewed for a further period of two years."
and substituting therefor the following:
"No application shall remain in force which has run for two years from the original date of filing application without a call for examination; unless, with the consent of the Commission, it be renewed for a further period of two years."
A PUBLIC HEARING WILL BE ALLOWED, at the request of any interested persons, in accordance with Rule III, at the Commission's Offices in the Municipal Building, Room 1443, on
WEDNESDAY, AUGUST 12, 1914,
at 10:30 A. M.
a10,12 ROBERT W. BELCHER, Secretary.

Proposed Amendments to Classifications.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, August 10, 1914.
PUBLIC NOTICE IS HEREBY GIVEN OF the proposed amendment of the classification by including in the Exempt Class, under the heading "Department of Parks," the following:
Chief Engineer—Queens.
A PUBLIC HEARING WILL BE ALLOWED, at the request of any interested persons, in accordance with Rule III, at the Commission's Offices in the Municipal Building, Room 1443, on
WEDNESDAY, AUGUST 12, 1914,
at 10:30 A. M.
a10,12 ROBERT W. BELCHER, Secretary.

Notices of Examinations.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, August 7, 1914.
PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from
FRIDAY, AUGUST 7, 1914 TO 4 P. M. MONDAY, AUGUST 24, 1914
for the positions of
INSPECTOR OF LICENSES (MALE AND FEMALE)—Grade 2.
INSPECTOR OF LICENSES (MALE AND FEMALE) — with knowledge of Yiddish and Russian—Grade 2.
INSPECTOR OF LICENSES (MALE AND FEMALE)—with knowledge of Italian—Grade 2.
INSPECTOR OF LICENSES (MALE AND FEMALE)—with knowledge of Greek—Grade 2.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. MONDAY, AUGUST 24TH, 1914, will be accepted. Application blanks will be mailed upon request, provided the applicant furnished 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: Duties, 5; Experience, 3; Oral, 2; 70% will be required on experience and 70% on all.

Candidates desiring to be examined in foreign languages will so state at the mental examination.

A weight of one (1) will be given to the language tests in Russian and Yiddish, in Italian and in Greek. 70% will be required to pass each test and those who fail to pass the written examination will not be summoned for the oral examination.

The nature of the duties will require the persons appointed to make systematic inspections and investigations of all businesses, places, trades, vehicles, apparatus, articles and things, which are required by law to be licensed, and which come under the jurisdiction of the Department of Licenses. Inspectors will see that the provisions of the ordinances are fully and properly complied with, and note all violations. They will also be required to observe and describe physical conditions and situations that are violations of the licensing laws (except violations of the taxicab service) and to make accurate and concrete points thereon.

Candidate should have a knowledge of the Municipal Ordinances, the Charter provisions, and the statute laws bearing upon the duties of the position (except the laws affecting taxicab inspection), and including the employment agency law, the laws relating to dancehalls, and to motion picture theatres.

A physical examination will precede the mental. 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 paper will then be rated. Candidates receiving less than 70 per cent. on the experience 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 of holding the physical, oral, and mental examinations will be announced later.

Candidates must not be less than 21 years nor more than 45 years of age on the last day of the receipt of applications.

The compensation is $1,200 per annum.
a8,24 ROBERT W. BELCHER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, August 6th, 1914.
PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from
THURSDAY, AUGUST 6, 1914, TO 4 P. M. THURSDAY, AUGUST 20, 1914,
for the position of
PATHOLOGICAL CHEMIST.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 p. m. THURSDAY, AUGUST 20, 1914, will be accepted. Application blanks will be mailed upon request, provided a self-addressed, stamped envelope is enclosed or sufficient postage to cover the mailing, but the Commission will not guarantee the delivery of the same. *Applications, forwarded by mail, upon which postage is not fully prepaid, will not be accepted.*

Applicants must be citizens of the United States. Persons who accept appointment must thereafter reside in the State of New York.

The subjects and weights of the examinations are as follows: Technical, 5; Experience, 5. 75% is required on the technical and 70% on experience.

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 paper will then be rated. Candidates receiving less than 70% on the experience paper will not be summoned for the remainder of the examination.

Candidates must have the degree of M. D. or Ph. D. or their equivalent from a college of recognized standing and in addition at least three years' experience in original research work. They must submit reprints of original articles or precise reference to the publications. Due consideration will be given to satisfactory evidence of successful management of a scientific laboratory or any branch thereof. Bellevue Hospital offers opportunity for original research.

A physical examination will be held. Minimum age, 21 years; salary $2,500 per annum. There is one vacancy in Bellevue and Allied Hospitals.

ROBERT W. BELCHER, Secretary.
a6,20

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, August 3, 1914.
PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from
MONDAY, AUGUST 3, 1914, TO 4 P. M. MONDAY, AUGUST 17, 1914,
for the position of
ALIENIST, GRADE 4.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 p. m. MONDAY, AUGUST 17, 1914, will be accepted. Applications will be mailed upon request, provided a self-addressed, stamped envelope or proper postage accompanies the request, but the Commission will not guarantee the delivery of the 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, 5; Technical, 5. 75% required on the technical and 70% on the experience.

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 failing to receive 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.

Candidates must be qualified examiners in lunacy of the State of New York. Candidates must have had experience in the care and treatment of the insane.

The time and place of holding the physical and mental examinations will be announced later.

There are four vacancies in the Department of Public Charities; one at $1,350 per annum; one at $1,800 per annum with maintenance; one at $2,700 per annum; two in the Clearing House for Mental Defectives at $1,200 per annum; two vacancies in Bellevue and Allied Hospitals, one at $2,100 and one at $1,500 per annum with maintenance; three vacancies in the Children's Courts at $1,200 per annum, without maintenance. Minimum age, 25 years.

Applications for this position filed between September 15 and September 29, 1913, and between December 9 and December 23, 1913, need not be renewed.

a3,17 R. W. BELCHER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, July 31st, 1914.
PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from
FRIDAY, JULY 31, 1914, TO 4 P. M. FRIDAY, AUGUST 14, 1914,
for the position of
DIRECTOR, PUBLIC HEALTH EDUCATION.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 p. m. FRIDAY, AUGUST 14th, 1914, will be accepted. Applications will be mailed upon request provided a self-addressed stamped envelope or proper postage accompanies the request, but the Commission will not guarantee the delivery of the blanks. Applications, forwarded by mail, upon which the postage is not fully prepaid will not be accepted. The examination is open to all citizens of the United States. The requirement that every application shall bear the certificates of four reputable citizens whose residences or places of business are within the city of New York is waived for this examination.

Subjects and Weights: Experience, Form C, with insert, weight 3; Report, weight 4; Oral examination, weight 3; 70% required on experience; 70% on oral; 75% on report.

The report will be on a subject to be announced by the Commission connected with the duties of the position. Time allowed—ten days.

A qualifying physical examination will be held.

Candidates must have evidence of a degree from a medical school of recognized standing, such as will entitle the holder thereof to examination for a license to practice by the Board of Regents of the State of New York, and in addition should have been engaged in public health activities.

Credit will be given for a public health course in an institution of recognized standing, but such course will not be accepted in lieu of experience.

The candidates will be required to present with their experience papers a list of their publications. Experience in editorial work will receive additional recognition.

Minimum age, 21 years.

DUTIES.

To organize and administer a bureau dealing with all phases of public health education.

To prepare and edit both popular and scientific bulletins and reports dealing with public health matters, including the regular health publications of the Department of Health.

To organize and supervise exhibits dealing with various features of public health work.

To organize courses of lectures, to the general public, to members of the Department of Health and to students of public health.

To co-operate with existing teaching institutions in organizing a school of sanitary science, in which the practical work would be done in the Department of Health.

To secure the dissemination of public health information through moving picture theatres, leaflets, conferences, press bulletins, etc., etc.

To organize and administer a library of public health literature.

To organize and supervise tours of inspections to hospitals, water works, sewage disposal plants, crematories, dispensaries, day camps, sanatoria, etc.

There is one vacancy in the Department of Health. Salary, $5,000 per annum.

ROBERT W. BELCHER, Secretary.
jy31,a14

MUNICIPAL CIVIL SERVICE COMMISSION, NEW YORK, MUNICIPAL BUILDING, July 30th, 1914.
PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from
THURSDAY, JULY 30, 1914, TO 4 P. M. THURSDAY, AUGUST 13, 1914,
for the positions of
EXAMINER, LAW DEPARTMENT;
EXAMINER, WITH KNOWLEDGE OF YIDDISH, LAW DEPARTMENT;
EXAMINER, WITH KNOWLEDGE OF ITALIAN, LAW DEPARTMENT;
GRADE 1.

Candidates who desire to enter the examination in Yiddish or in Italian must state which language they elect in the application blank.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 p. m. Thursday, August 13, 1914, will be accepted. Applications will be mailed upon request provided a self-addressed stamped envelope or proper postage accompanies the request, but the Commission will not guarantee the delivery of blanks. *Applications, forwarded by mail, upon which the 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; Technical, 5; Report, 1. 70% is required on experience; 75% on technical paper; 70% general average is required. A weight of one will be given to the Yiddish examination and a weight of one to the Italian examination. 70% is required to pass in each test. Candidates who fail to pass the written test will not be summoned for the oral test.

A physical qualifying examination will be held. The age limits are 21 to 50 years.

Applications for this examination must be filed on a special blank, Form C. Experience blanks will be issued with the applications and must be forwarded to the Commission with the applications. The experience paper will then be rated. Candidates receiving less than 70% on experience will not be summoned for the physical and mental examinations.

There are no vacancies at present. The salary of an examiner is $1,200 per annum.

Candidates will be required to present evidence of experience in the investigation of personal injury and other claims. They must have a knowledge of the value and relevancy of evidence.

Candidates should be familiar with the activities of the various city departments.

Candidates who succeed in obtaining a place on the eligible list for the position of Examiner, Law Department, will be given a supplemental written and oral examination in the Yiddish language or in the Italian language, or both, to enable them to qualify for a place on the eligible list of Examiner, with knowledge of Yiddish, Law Department, Grade 1, and Examiner, with knowledge of Italian, Law Department, Grade 1, respectively.

The dates of the physical and mental examinations, and the dates of the examinations in the Yiddish language and in the Italian language will be announced later.

ROBERT W. BELCHER, Secretary.
jy30,a13

PUBLIC SERVICE COMMISSION.

Hearing on Form of Contract.

NOTICE IS HEREBY GIVEN THAT A PUBlic hearing will be held at the office of the Public Service Commission for the First District, at 154 Nassau Street, Borough of Manhattan, New York City, on the 11th day of September, 1914, at twelve-fifteen o'clock P. M., upon the proposed terms and conditions of the contract for the construction of Route No. 29, being a part of the Eastern Parkway Rapid Transit Railroad, in the Borough of Brooklyn, which route may be briefly described as follows:

Route No. 29. Beginning at a point under private property in the Borough of Brooklyn, on the west side of Nostrand Avenue between Eastern Parkway and Union Street, where a connection can conveniently be made with a proposed rapid transit railroad under Eastern Parkway and curving thence southerly under private property into Nostrand Avenue and extending thence southerly under Nostrand Avenue to Flatbush Avenue.

Copies of the draft of the said contract may be obtained at the said office of the said Public Service Commission for one dollar each.

Dated, New York, July 23, 1914.
PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT.
By EDWARD E. MCCALL, Chairman.
TRAVIS H. WHITNEY, Secretary. a7,s11

Proposals.

INVITATION TO CONTRACTORS.

Route No. 33, Section No. 3.

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), hereby invites proposals to construct Section No. 3 of Route No. 33, a part of the Broadway-Fourth Avenue and Seventn Avenue-Lexington Avenue Rapid Transit Railroads.

The points within the City of New York between which the said part is to run and the route or routes to be followed are briefly as follows:

SECTION No. 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 Brooklyn-Manhattan Rapid Transit Railroad subway under Fulton Street at Willoughby Street; with a station at Borough Hall.

The general plan of construction calls for a subsurface railroad in two parts, each part having two tracks.

The Contractor will not be required to provide or place permanent track, ventilating apparatus or station finish.

The work under the contract will include the care and support of buildings, vaults, sewers, pipes, railroads and other surface, subsurface and overhead structures, the maintenance of traffic and the restoration of pavements and other surfaces.

The method of construction will be generally by tunneling and partly by excavation from the surface.

Bidders must examine the form of contract and the specifications and the contract drawings, must visit the location of the work and inform themselves of the conditions along the line of the work and must make their own estimates of the facilities and difficulties attending the execution of the work.

The attention of bidders is especially directed to the contract requirements as to the methods of tunneling, the Contractor's responsibility for damage to property, and the damages for non-completion within the time prescribed.

A fuller description of the work and other requirements, provisions, details and specifications are given in the form of contract and in the contract drawings therein referred to. Copies of the form of contract, bond and contractor's proposal and of the contract drawings may be inspected and purchased at the office of the Commission, No. 154 Nassau Street, Borough of Manhattan, New York City. The form of contract, bond and contractor's proposal and the contract drawings are to be deemed a part of this Invitation.

Partial payments to the Contractor will be made as the work proceeds.

The Contractor must complete the work within thirty-six (36) months from the delivery of the contract.

At the time of delivery of the contract, the Contractor must furnish security to the City by depositing a bond, cash or securities in the sum of three hundred thousand ($300,000) dollars. As further security ten (10) per centum of the amounts certified from time to time to be due the Contractor will be deducted.

Sealed bids or proposals will be received at the office of the Commission at No. 154 Nassau street, Borough of Manhattan, City of New York, until the 21st day of August, 1914, at twelve fifteen (12.15) o'clock p. m., at which time, or at a later date to be fixed by the Commission, the proposals will be publicly opened.

Proposals must be in' the form prescribed by the Commission.

A statement, based upon the estimate of the Chief Engineer of the Commission, of the quantities of the various classes of the work and of the nature and extent as near as practicable of the work required is to be found in the schedule forming a part of the form of contractor's proposal. The quantities given in such schedule are approximate only, being given as a basis for the uniform comparison of bids, and no claim is to be made against the City for damages or anticipated profit or loss of profit on account of any excess or deficiency, absolute or relative, in the same.

Every proposal must, when submitted, be enclosed in a sealed envelope endorsed *"Proposal for Constructing Part of Rapid Transit Railroad—Route No. 33, Section No. 3,"* and must be delivered to the Commission or its Secretary; and in the presence of the person submitting the proposal, it will be deposited in a sealed box in which all proposals will be deposited. No proposal will be received unless accompanied by a separate certified check for the sum of fifty thousand dollars ($50,000), payable to the order of the Comptroller of the City and drawn upon a national or state bank or trust company satisfactory to the Commission and having its principal office in New York City. Such check must not be enclosed in the envelope containing the proposal.

The Unit Prices must not be improperly balanced, and any bid which the Commission considers detrimental to the City's interests may be rejected.

No proposal, after it shall have been deposited with the Commission, will be allowed to be withdrawn.

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.

New York, July 31, 1914.
PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT
By EDWARD E. MCCALL, Chairman.
TRAVIS H. WHITNEY, Secretary. a3,21

Invitation to Bidders for Supply of Special Work.

PORTIONS No. 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 No. 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, No. 154 Nassau street, Borough of Manhattan, New York City, until the 21st day of August, 1914, at twelve fifteen (12.15) o'clock p. m., at which time and place, or at a later date to be fixed by the Commission, the proposals will be publicly opened.

Proposals must be in the form prescribed by the Commission 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 No. 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. a1,21

SUPREME COURT — FIRST DEPARTMENT.

Filing Bill of Costs.

FIRST JUDICIAL DEPARTMENT.

In the Matter of the Application of The City of New York acting by and through the Commissioner of Docks, relative to acquiring right and title to and possession of the wharfage rights, terms, easements, emoluments and privileges appurtenant to Piers Old Nos. 8, 9, 10 and 11, North River, in the Borough of Manhattan, not now owned by The City of New York, and all right, title and interest in and to said piers or any portion theerof not now owned by The City of New York, and all wharfage rights, terms, easements, emolument and privileges appurtenant to certain bulkheads, dock or wharf properties in the vicinity of the westerly line of West Street, in said Borough and City, between a point about 20 feet south of the foot of Rector Street and a point about 41 feet northerly of the foot of Carlisle Street, not now owned by The City of New York for the improvement of the water front of The City of New York on the North River, pursuant to the plan heretofore adopted by the Board of Docks, as altered and amended by the Commissioner of Docks, and approved by the Commissioners of the Sinking Fund.

NOTICE IS HEREBY GIVEN THAT A BILL of costs, charges and expenses incurred by reason of the proceedings in the above entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 17th day of August, 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 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, August 4th, 1914.

a5,15 JOSEPH M. SCHENCK, Clerk.

Filing Preliminary Abstracts.

FIRST DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of KINSELLA STREET, between Matthews (Rose) Avenue and Bear Swamp Road, and of VAN NEST (CLUMUBUS) AVENUE, between West Farms Road and Bear Swamp Road, 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 31st day of August, 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 15th day of September, 1914, at 10.30 o'clock A. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, 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 31st day of August, 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 16th day of September, 1914, at 10.30 o'clock A. M.

Third.—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 20th day of April, 1911, 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 northerly line of West Farms road where it is intersected by a line bisecting the angle formed by the intersection of the prolongations of the southeasterly line of Morris Park avenue and northwesterly line of Van Nest avenue, as these streets are laid out between East One Hundred and Eightieth street and Adams street, and running thence northeastwardly along the said bisecting line to the intersection with the prolongation of a line midway between Morris Park avenue and Van Nest avenue as these streets are laid out between Melville street and Taylor street; thence northeastwardly along the said line midway between Morris Park avenue and Van Nest avenue and along the prolongation of the said line to the intersection with the prolongation of a line midway between Morris Park avenue and Van Nest avenue as these streets are laid out between Victor street and White Plains road; thence eastwardly along the said line midway between Morris Park avenue and Van Nest avenue and along the prolongation of the said line to the intersection with a line midway between Barnes avenue and Matthews avenue; thence northwardly along the said line midway between Barnes avenue and Matthews avenue to the intersection with the prolongation of a line midway between Morris Park avenue and Kinsella street; thence eastwardly along the said line midway between Morris Park avenue and Kinsella street and along the prolongation of the said line to a point distant 100 feet easterly from the easterly line of Bear Swamp road, the said distance being measured at right angles to Bear Swamp road; thence southwardly and always distant 100 feet easterly from and parallel with the easterly line of Bear Swamp road to the intersection with the prolongation of a line distant 100 feet southerly from and parallel with the southerly line of Van Nest avenue as this street is laid out where it adjoins Bear Swamp road on the west, the said distance being measured at right angles to Van Nest avenue; thence westwardly and always distant 100 feet southerly from and parallel with the southerly line of Van Nest avenue and the prolongation thereof to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southerly line of Van Nest avenue and the northerly line of Baker avenue as these streets are laid out between Holland avenue and Wallace avenue; thence westwardly along the said bisecting line to the intersection with the easterly line of White Plains road; thence southwestwardly in a straight line to a point on the southwesterly line of Unionport road where it is intersected by the prolongation of a line midway between Mead street and Baker avenue; thence southwestwardly along the said line midway between Mead street and Baker avenue and along the prolongation of the said line to the intersection with the northeasterly line of Van Buren street; thence southwestwardly and parallel with Van Nest avenue as this street is laid out between Adams street and Van Buren street to the intersection with the northerly right of way line of the New York, New Haven and Hartford Railroad; thence westwardly along the said right of way line to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of West Farms road as this street is laid out where it adjoins Van Nest avenue, the said distance being measured at right angles to West Farms road; thence westwardly along the said line parallel with West Farms road to the intersection with a line at right angles to West Farms road and passing through the point of beginning; thence northwardly along the said line at right angles to West Farms road 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 31st day of August, 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 19th day of November, 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, August 7th, 1914.

MAX BENDIT, Chairman; JOHN J. MACKIN, JOHN L. GOLDWATER, Commissioners of Estimate. MAX BENDIT, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. a11,27

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 NEEDHAM AVENUE, from East 216th Street to East 222d Street, in the 24th Ward, Borough of The Bronx, City of N 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 19th day of August, 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 September, 1914, at 2.00 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 19th day of August, 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 September, 1914, at 2.00 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 12th day of December, 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 northeasterly line of East Two Hundred and Sixteenth street where it is intersected by the prolongation of a line midway between Oakley street and Needham avenue, and running thence northeastwardly along the said line midway between Oakley street and Needham avenue and along the prolongation of the said line to a point distant 100 feet southwesterly from the southwesterly line of Eastchester road, the said distance being measured at right angles to Eastchester road; thence northwestwardly and parallel with Eastchester road to the intersection with a line distant 100 feet northwesterly from and parallel with the northwesterly line of Oakley street, as this street is laid out west of East Two Hundred and Twenty-first street, the said distance being measured at right angles to Oakley street; thence northeastwardly along the said line parallel with Oakley street and along the prolongation of the said line to the intersection with the southwesterly line of East Two Hundred and Twenty-second street; thence northeastwardly at right angles to East Two Hundred and Twenty-second street a distance of 200 feet; thence southeastwardly and parallel with East Two Hundred and Twenty-second street to the intersection with a line at right angles to East Two Hundred and Twenty-second street and passing through a point on its southwesterly side where it is intersected by a line bisecting the angle formed by the intersection of the prolongations of the southeasterly line of Needham avenue and the northwesterly line of Chester street, as these streets are laid out between Eastchester road and Westervelt avenue; thence southwestwardly along the said line at right angles to East Two Hundred and Twenty-second street to its southwestwardly side; thence southwestwardly along the said bisecting line to the intersection with a line distant 100 feet southwesterly from and parallel with the southwesterly line of Eastchester road, the said distance being measured at right angles to Eastchester road; thence northwestwardly along the said line parallel with Eastchester road to the intersection with a line midway between Needham avenue and Hicks street; thence southwestwardly along the said line midway between Needham avenue and Hicks street and along the prolongation of the said line to a point distant 100 feet southwesterly from the southwesterly line of Wilson avenue; thence northwestwardly and always distant 100 feet southwesterly from and parallel with the southwesterly lines of Wilson avenue and of East Two Hundred and Sixteenth street to the intersection with a line at right angles to East Two Hundred and Sixteenth street and passing through the point of beginning; thence northeastwardly along the said line at right angles to East Two Hundred and Sixteenth street to the point or place of beginning.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Room 1529, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in said City, there to remain until the 20th day of August, 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 October, 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, July 27th, 1914.

MAURICE S. COHEN, Chairman; JOSEPH M. LEVINE, Commissioners of Estimate. MAURICE S. COHEN, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. jy30,a15

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 OLMSTEAD AVENUE (formerly Avenue D, south of Westchester Avenue and Jefferson Street northerly therefrom), between Protectory Avenue and the bulkhead line of Pugsley's Creek; of ODELL STREET (Jackson Street), between Unionport Road and Protectory Avenue; and of PURDY STREET (Washington Street), between Westchester Avenue and Protectory Avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York, as amended by an order of the Supreme Court, dated February 28, 1913, and entered in the office of the Clerk of the County of New York on March 3, 1913, so as to conform with the changes made in the lines of Olmstead Avenue and of Purdy Street, as shown upon a map or plan adopted by the Board of Estimate and Apportionment January 11, 1912, and approved by the Mayor January 17, 1912; and by the inclusion in the proceeding of the remaining length of each of these three streets between West Farms Road and the former location of Protectory Avenue, the amended proceeding to relate to OLMSTEAD AVENUE, from the bulkhead line of Pugsley's Creek to West Farms Road; ODELL STREET, from Unionport Road to Purdy Street, and PURDY STREET, from Westchester Avenue to West Farms Road.

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 18th day of August, 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 September, 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 18th day of August, 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 September, 1914, at 2 o'clock P. M.

Third.—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the amended area of assessment for benefit by the Board of Estimate and Apportionment on the 21st day of March, 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 northerly bulkhead line of Pugsley's Creek, as this line is indicated on the Final Maps of Sections 49 and 54, where it is intersected by the prolongation of a line midway between Pugsley avenue and Olmstead avenue as these streets are laid out between Lafayette avenue and Turnbull avenue, and running thence northwardly along the said line midway between Pugsley avenue and Olmstead avenue and along the prolongations of the said line to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of McGraw avenue, the said distance being measured at right angles to McGraw avenue; thence eastwardly along the said line parallel with McGraw avenue to the intersection with the prolongation of a line midway between Hoguet avenue and Olmstead avenue; thence northwardly along the said line midway between Hoguet avenue and Olmstead avenue and along the prolongations of the said line to the intersection with a line 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 distant 100 feet northeasterly from and parallel with the northeasterly line of Purdy street as this street is laid out in the tangent adjoining West Farms road, the said distance being measured at right angles to Purdy street; thence southeastwardly along the said line parallel with Purdy street and along the prolongations of the said line to the intersection with the prolongation of a line midway between Purdy street and Castle Hill avenue as these streets are laid out between Parker street and St. Raymond avenue; thence southwardly along the said line midway between Purdy street and Castle Hill avenue and along the prolongations of the said line to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Westchester avenue, the said distance being measured at right angles to Westchester avenue; thence westwardly along the said line parallel with Westchester avenue to the intersection with the prolongation of a line midway between Castle Hill avenue and Olmstead avenue as these streets are laid out between Lafayette avenue and Turnbull avenue; thence southwardly along the said line midway between Castle Hill avenue and Olmstead avenue and along the prolongations of the said line to the intersection with the northeasterly line of Barrett avenue; thence southwestwardly at right angles to Barrett avenue to the intersection with the bulkhead line of Pugsley's Creek hereinbefore referred to; thence northwestwardly along the said bulkhead line to the point or place of beginning.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Room 1529, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in said City, there to remain until the 19th day of August, 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 12th day of November, 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, July 24th, 1914.

JOHN ROSS DELAFIELD, Chairman; ARCHIBALD DOUGLAS, GEORGE PRICE, Commissioners of Estimate. JOHN ROSS DELAFIELD, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. jy29,a14

SUPREME COURT—SECOND DEPARTMENT.

Application for Appointment of Commissioners.

SECOND JUDICIAL DISTRICT.

In the Matter of the Application and Petition of CHARLES STRAUSS, CHARLES N. CHADWICK and JOHN F. GALVIN, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York, under Chapter 724 of the Laws of 1905, and the acts amendatory thereof, on and near LAUREL AVENUE, LENOX ROAD, LIVINGSTON PARKWAY, IRVING PARKWAY, GREENWOOD AVENUE, SILVER LAKE PARK, RICHMOND TURNPIKE and other streets, in the First Ward of the Borough of Richmond, City of New York, in the County of Richmond, for the construction of a pipe line, Silver Lake Reservoir and appurtenances, for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

CITY AQUEDUCT DEPARTMENT, SECTION No. 2.

NOTICE IS HEREBY GIVEN THAT AN application will be made by the undersigned to the Supreme Court of the State of New York, at a Special Term for the hearing of contested motions thereof, to be held in and for the Second Judicial District at the County Court House in the Borough of Brooklyn, City and State of New York, on the 20th day of August, 1914, at the opening of Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of a Commissioner of Appraisal in the above entitled proceeding in the place and stead of Robert Bailey, resigned.

Dated, New York, August 7th, 1914.

JOSEPH E. OWENS, EDWIN M. COX, Commissioners of Appraisal. a8,19

Applications to Amend Proceedings.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to amending its application heretofore made in the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee to the lands, tenements and hereditaments required for the opening and extending of QUEENS BOULEVARD, from Van Dam Street to Hillside Avenue, in the First, Second, and Fourth Wards, Borough of Queens, City of New York, so as to conform to the map changes made by the Board of Estimate and Apportionment on March 13, 1914, and May 28, 1914.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, Second Department, at a Special Term of said Court, to be held for the hearing of motions, at the County Court-house, in the Borough of Brooklyn, in The City of New York, on the 18th day of August, 1914, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for an order amending the proceeding entitled "In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of Queens Boulevard, from Van Dam Street to Hillside Avenue, in the First, Second and Fourth Wards, Borough of Queens, City of New York," and the petition and order appointing Commissioners of Estimate and a Commissioner of Assessment in said proceeding heretofore duly entered and filed in the office of the Clerk of the County of Queens on the 25th day of October, 1912, so as to conform to the map changes made by the Board of Estimate and Apportionment on March 13, 1914, and May 28, 1914.

Land to be acquired for Queens Boulevard, from Van Dam Street to Hillside Avenue, in the First, Second and Fourth Wards, Borough of Queens, City of New York, as amended by resolution of the Board of Estimate and Apportionment duly adopted June 26, 1914, is bounded and described as follows:

Parcel "A."

Beginning at a point formed by the intersection of the southerly line of Queens Boulevard with the westerly line of Van Dam Street. Running thence northerly for 200 feet along the westerly line of Van Dam Street to the prolongation westerly of the northerly line of Queens Boulevard, between Van Dam Street and Hill Street. Thence easterly, deflecting to the right 90° for 1,580.08 feet along the northerly line of Queens Boulevard and the prolongation of the same referred to, to the westerly line of Hulst Street. Thence southerly, deflecting to the right 90° for 200 feet along the westerly line of Hulst Street to the southerly line of Queens Boulevard. Thence westerly for 1,580.08 feet along the southerly line of Queens Boulevard to the westerly line of Van Dam Street, the point or place of beginning.

Parcel "B."

Beginning at a point formed by the intersection of the southerly line of Queens Boulevard with the easterly line of Hulst Street. Running thence northerly for 200 feet along the easterly line of Hulst Street to the northerly line of Queens Boulevard. Thence easterly, deflecting to the right 90° for 3,130.18 feet along the northerly line of Queens Boulevard to the easterly line of Gosman Avenue. Thence deflecting to the left 00° 00′ 18″ for 139.05 feet to the northwesterly side of Greenpoint Avenue. Thence southwesterly, deflecting to the right 148° 56′ 50″ along the northwesterly line of Greenpoint Avenue for 387.70 feet to the southerly line of Queens Boulevard. Thence westerly for 2,937.11 feet along the southerly side of Queens Boulevard to the easterly side of Hulst Street, the point or place of beginning.

Parcel "C."

Beginning at a point formed by the intersection of the southerly side of Queens Boulevard with the southeasterly side of Greenpoint Avenue. Running thence northeasterly along the southeasterly line of Greenpoint Avenue 388.87 feet to the northerly line of Queens Boulevard. Thence easterly, deflecting to the right for 30° 57′ 00″ for 790.62 feet along the northerly line of Queens Boulevard to the westerly line of Hancock Place. Thence deflecting to the right for 00° 00′ 58″ for 50 feet along the northerly line of Queens Boulevard to the easterly line of Hancock Place. Thence deflecting to the right for 00° 05′ 38″ for 3,846.86 feet along the northerly line of Queens Boulevard to an angle point between Hyatt and Burrough Avenues. Thence still easterly, deflecting to the right for 05° 09′ 51″ for 3,573.22 feet along the northerly line of Queens Boulevard to an angle point between South Railroad Avenue and Albion Place. Thence still easterly deflecting to the right for 00° 00′ 07″ for 2,554.40 feet along the northerly ilne of Queens Boulevard. Thence easterly, deflecting to the right 36° 37′ 12″ for 70.55 feet along the northerly line of Queens Boulevard. Thence easterly, deflecting to the left 9° 36′ 07″ for 198.61 feet along the northerly line of Queens Boulevard. Thence easterly, deflecting to the right 2° 40′ 23″ for 528.42 feet along the northerly line of Queens Boulevard. Thence easterly, deflecting to the left on the arc of a circle tangent to the last-mentioned course, the radius of which is 1,400.91 feet, for 544.60 feet along the northerly line of Queens Boulevard. Thence easterly on a tangent to the last-mentioned course 1,055.79 feet along the northerly line of Queens Boulevard to the southwesterly line of Orontes Street. Thence easterly, deflecting to the right on the arc of a circle tangent to the last-mentioned course, the radips of which is 3,560.15 feet, for 1,055.97 feet along the northerly line of Queens Boulevard. Thence easterly on a tangent to the last-mentioned course for 397.22 feet along the northerly line of Queens Boulevard. Thence easterly, deflecting to the left 14° 41′ 49″ for 221.30 feet along the northerly line of Queens Boulevard. Thence easterly, deflecting to the right 2° 21′ 36″ for 3,773.35 feet along the northerly line of Queens Boulevard. Thence easterly, deflecting to the right on the arc of a circle whose radius is 1,839.913 feet for 1,013.86 feet along the northerly line of Queens Bouelvard, and tangent to the last-mentioned course. Thence easterly, deflecting to the left on the arc of a circle, the radius of which is 1,890.174 feet, for 890.72 feet along the northerly line of Queens Boulevard, and tangent to the last-mentioned course. Thence easterly on a line tangent to the last-mentioned course for 3,310.86 feet along the northerly line of Queens Boulevard. Thence easterly, deflecting to the right on the arc of a circle, the radius of which is 4,699.994 feet, for 1,229.55 feet along the northerly line of Queens Boulevard and tangent to the last-mentioned course. Thence easterly on a line tangent to the last-mentioned course for 930.40 feet along the northerly line of Queens Boulevard. Thence easterly, deflecting to the left on the arc of a circle, the radius of which is 1,684.558 feet, for 488.20 feet along the northerly line of Queens Boulevard and tangent to the last-mentioned course. Thence easterly for 2,843.19 feet on a line tangent to the last-mentioned course along the northerly line of Queens Boulevard. Thence easterly, deflecting to the right on the arc of a circle tangent to the last-mentioned course, the radius of which is 3,296.08 feet for 313.21 feet along the northerly line of Queens Boulevard. Thence southeasterly on a tangent to the last-mentioned course for 182.75 feet along the northeasterly line of Queens Boulevard. Thence southerly, deflecting to the right on the arc of a circle tangent to the last-mentioned course, the radius of which is 1,901.31 feet, for 953.53 feet along the easterly line of Queens Boulevard. Thence southerly on a tangent to the last-mentioned course for 1,396.55 feet along the easterly line of Queens Boulevard to the northerly line of Hillside Avenue. Thence westerly, deflecting to the right 96° 42′ 31″ for 70.48 feet along the northerly line of Hillside Avenue. Thence westerly, deflecting to the right 13° 28′ 34″ for 85.24 feet along the northerly line of Hillside Avenue to the westerly line of Queens Boulevard. Thence northerly, deflecting to the right 69° 48′ 55″ for 1,358.91 feet along the westerly line of Queens Boulevard. Thence northerly, deflecting to the left on the arc of a circle tangent to the last-mentioned course, the radius of which is 1,751.31 feet, for 878.30 feet along the westerly line of Queens Boulevard. Thence northwesterly on a tangent to the last-mentioned course for 182.75 feet along the southwesterly line of Queens Boulevard. Thence westerly on the arc of a circle tangent to the last-mentioned course, the radius of which is 3,146.08 feet for 298.96 feet along the southerly line of Queens Boulevard. Thence westerly on a tangent to the last-mentioned course for 2,744.96 feet along the southerly line of Queens Boulevard. Thence southerly, deflecting to the left 68° 48′ 45″ for 121.29 feet to the southerly side of Kew Gardens Road. Thence westerly on the arc of a circle, the radius of which is 2,396.88 feet, and the tangent of which deflects to the right 90° 11′ 28″ from prolongation of last-mentioned course, for 8.00 feet. Thence westerly, deflecting to the left on the arc of a circle, tangent to the last-mentioned course, the radius of which is 992.836 feet, for 177.16 feet along the southerly line of Queens Boulevard. Thence westerly on a tangent to the last-mentioned course for 239.72 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the right on the arc of a circle tangent to the last-mentioned course, the radius of which is 1,884.558 feet, for 39.04 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left 1° 47′ 02″ from the tangent to the last-mentioned course for 54.79 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the right 6° 25′ 30″ for 84.57 feet along the southerly line of Queens Boulevard. Thence westerly on the arc of a circle concave to the north, the tangent to which deflects to the left 0° 25′ 20″ from the last-mentioned course, the radius of which is 1,884.558 feet, for 7.33 feet along the southerly ilne of Queens Boulevard. Thence westerly on a line tangent to the last-mentioned course for 930.40 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left on the arc of a circle tangent to the last-mentioned course, the radius of which is 4,499.994 feet, for 1,177.22 feet along the southerly line of Queens Boulevard. Thence westerly on a line tangent to the last-mentioned course for 2,199.12 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left 14° 21′ 41″ for 722.47 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the right on the arc of a circle tangent to the last-mentioned course, the radius of which is 299.161 feet, for 111.97 feet along the southerly line of Queens Boulevard to the easterly line of Backus Place. Thence westerly, deflecting to the right from the tangent to the last-mentioned course 0° 27′ 49.2″ for 61.37 feet along the southerly line of Queens Boulevard to the westerly line of Backus Place. Thence northwesterly, deflecting to the right 22° 16′ 36.7″ for 202.92 feet along the southwesterly line of Queens Boulevard to the southerly line of Yellowstone Avenue. Thence northwesterly, deflecting to the left 0° 02′ 22″ for 84.40 feet along the southwesterly line of Queens Boulevard to the northerly line of Yellowstone Avenue. Thence northwesterly, deflecting to the right 0° 00′ 20″ for 73.77 feet along the southwesterly line of Queens Boulevard. Thence westerly on the arc of a circle concave to the north, the tangent of which deflects to the left 27° 46′ 38″ from the last-mentioned course, the radius of which is 2,090.174 feet, for 463.51 feet along the southerly line of Queens Boulevard to the southerly line of Booth Street. Thence westerly, deflecting to the left 3° 18′ 39″ from the tangent to the last-mentioned course for 217.94 feet along the southerly line of Queens Boulevard to the northerly line of Booth Street. Thence westerly, deflecting to the right 15° 56′ 05″ for 330.82 feet along the southerly line of Queens Boulevard to the easterly line of Occident Street. Thence westerly, deflecting to the left 1° 39′ 23″ for 92.62 feet along the southerly line of Queens Boulevard to the westerly line of Occident Street. Thence westerly on the arc of a circle concave to the south, the tangent of which deflects to the left 5° 17′ 39″ from the last-mentioned course, the radius of which is 1,639.913 feet, for 714.52 feet along the southerly line of Queens Boulevard. Thence westerly on a tangent to the last-mentioned course for 3,796.23 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left 2° 21′ 36″ for 242.98 feet along the southerly line of Queens Boulevard. Thence deflecting to the right 14° 41′ 49″ for 423.01 feet along the southerly line of Queens Boulevard. Thence deflecting to the left on the arc of a circle tangent to the last-mentioned course, the radius of which is 3,360.15 feet, for 746.76 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left 8° 22′ 04″ from the tangent to the last-mentioned course for 40.27 feet along the southerly line of Queens Boulevard. Thence defleoting to the right 8° 30′ 28″ for 152.15 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left on the arc of a circle, the tangent of which deflects 3° 24′ 56″ to the left from the last-mentioned course, the radius of which is 3,360.15 feet, for 57.80 feet along the southerly line of Queens Boulevard. Thence westerly on a tangent to the last-mentioned course for 808.92 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left 0° 41′ 09″ for 223.88 feet along the southerly line of Queens Boulevard. Thence northerly, deflecting to the right 90° 41′ 09″ for 2.68 feet to the southerly line of Queens Boulevard. Thence westerly, deflecting to the left 90° for 23.02 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the right on the arc of a circle tangent to the last-mentioned course, the radius of which is 1,600.91 feet for 633.78 feet along the southerly ilne of Queens Boulevard. Thence westerly on a tangent to the last-mentioned course for 564.48 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the right on the arc of a circle tangent to the last-mentioned course, the radius of which is 671.67 feet for 348.07 feet. Thence westerly on a tangent to the last-mentioned course for 2,311.69 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left 0° 00′ 07″ for 410.11 feet along the southerly line of Queens Boulevard to the southeasterly line of South Railroad Avenue. Thence westerly, deflecting to the left for 1° 13′ 38″ for 240.38 feet along the southerly line of Queens Boulevard to the westerly line of Kneeland Place. Thence westerly, deflecting to the right 6° 45′ 37″ for 53.43 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left for 5° 31′ 59″ for 2,873.96 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left 5° 09′ 51″ for 3,845.11 feet along the southerly line of Queens Boulevard. Thence westerly, deflecting to the left for 0° 06′ 36″ for 1,106.87 feet along the southerly line of Queens Boulevard to the easterly line of Gosman Avenue. Thence westerly for 59.58 feet along the southerly line of Queens Boulevard to the point or place of beginning.

Queens Boulevard, extending from Van Dam Street to Hillside Avenue, in the First, Second and Fourth Wards, Borough of Queens, City of New York, is laid down upon the following sections of the Final Maps of the Borough of Queens:

Section No. 3—Approved by the Board of Estimate and Apportionment, July 6, 1911; approved by Mayor, July 11, 1911; filed at office of President of Borough of Queens, Oct. 23, 1911; filed at office of Clerk of the County of Queens, Oct. 17, 1911; filed at Corporation Counsel's office, Oct. 16, 1911.

Section No. 11—Approved by Board of Estimate and Apportionment, Nov. 5, 1909; approved by Mayor, Nov. 15, 1909; filed at office of President of Borough of Queens, Jan. 31, 1910; filed at office of Clerk of the County of Queens, Jan. 26, 1910; filed at Corporation Counsel's office, Jan. 24, 1910.

Section No. 18—Approved by Board of Estimate and Apportionment, May 6, 1910; approved by Mayor, May 12, 1910; filed at office of President of Borough of Queens, Feb. 23, 1911; filed at office of Clerk of the County of Queens, Feb. 23, 1911; filed at Corporation Counsel's office, Feb. 21, 1911.

Section No. 19—Approved by Board of Estimate and Apportionment, June 17, 1910; approved by Mayor, June 24, 1910; filed at office of President of Borough of Queens, Aug. 23, 1910; filed at office of Clerk of the County of Queens, Aug. 23, 1910; filed at Corporation Counsel's office, Oct. 24, 1910.

Section No. 26—Approved by Board of Estimate and Apportionment, May 20, 1910; approved by Mayor, May 25, 1910; filed at office of President of Borough of Queens, Aug. 23, 1910; filed at office of Clerk of the County of Queens, Aug. 23, 1910; filed at Corporation Counsel's office, Aug. 18, 1910.

Section No. 37—Approved by Board of Estimate and Apportionment, May 20, 1910; approved by Mayor, May 25, 1910; filed at office of President of Borough of Queens, Aug. 23, 1910; filed at office of Clerk of the County of Queens, Aug. 23, 1910; filed at Corporation Counsel's office, Aug. 18, 1910.

Section No. 43—Approved by Board of Estimate and Apportionment, June 17, 1910; approved by Mayor, June 24, 1910; filed at office of President of Borough of Queens, Oct. 29, 1910; filed at office of Clerk of the County of Queens, Oct. 29, 1910; filed at Corporation Counsel's office, Oct. 24, 1910.

Section No. 47—Approved by Board of Estimate and Apportionment, June 17, 1910; approved by Mayor, June 24, 1910; filed at office of President of Borough of Queens, Oct. 29, 1910; filed at office of Clerk of County of Queens, Oct. 29, 1910; filed at Corporation Counsel's office, Oct. 24, 1910.

—also upon the Comimssioner's Map of Long Island City, filed at the office of the City Clerk of Long Island City, December 31, 1875, as the same as has been amended, and upon the Map of Queens Boulevard, between Agate Place and Hillside Avenue, approved by the Board of Estimate and Apportionment November 23, 1910, by the Mayor November 30, 1910, and filed at the office of the Topographical Bureau February 1, 1911, at the office of the County Clerk at Jaamica February 2, 1911, and at the office of the Corporation Counsel January 27, 1911, as the above maps were amended by the following alteration maps:

Alteration Map No. 432, dated January 7, 1914, altering the line of Queens Boulevard, from Caldwell Avenue to Brower Place, Woodhaven Avenue to Marion Avenue, Occident Street to Booth Street, Agate Place to Union Turnpike, and Quentin Street to Hillside Avenue, approved by the Board of Estimate and Apportionment March 13, 1914, by the Mayor March 25, 1914, and copies of which were filed at the office of the County Clerk in Jamaica May 29, 1914, at the office of the Corporation Counsel May 22, 1914, and at the office of the Topographical Bureau May 27, 1914.

Alteration Map No. 350 of the territory bounded by Queens Boulevard, Justice Street, Broadway, Chicago Street, Martense Street, Caldwell Avenue, Seabury Street, Grand Street and Van Loon Place, approved by the Board of Estimate and Apportionment March 13, 1914, by the Mayor March 25, 1914 copies of which were filed at the office of the County Clerk in Jamaica May 29, 1914, at the office of the Corporation Counsel May 22, 1914, and at the office of the Topographical Bureau May 27, 1914.

Alteration Map No. 445, dated March 27, 1914, of the territory bounded by Booth Street, Queens Boulevard, Continental Avenue, Austin Street, Stafford Avenue, Yellowstone Avenue, Gerard Place and Occident Street, approved by the Board of Estimate and Apportionment May 28, 1914, by the Mayor June 13, 1914, and copies of which were filed at the office of the County Clerk July 24, 1914, at the office of the Corporation Counsel July 28, 1914, and at the office of the Topographical Bureau July 28, 1914.

The Board of Estimate and Apportionment on the 26th day of June, 1914, determined that 20 per cent. of the entire cost and expense of the proceeding as authorized and amended shall be assessed upon the following area:

Beginning at a point on the prolongation of the line midway between Manly Street and Mount Street distant 100 feet northerly from the northerly line of Skillman Avenue, the said distance being measured at right angles to Skillman Avenue, and running thence eastwardly along a line always distant 100 feet northerly from and parallel with the northerly line of Skillman Avenue to the intersection with a line always distant 800 feet northerly from and parallel with the northerly line of Queens Boulevard, the said distance being measured at right angles to Queens Boulevard; thence generally eastwardly along the said line parallel with Queens Boulevard and along the prolongations thereof to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Jamaica Avenue as this street is in use and commonly recognized, the said distance being measured at right angles to Jamaica Avenue; thence westwardly along a line always parallel with and distant 100 feet from Jamaica Avenue to the intersection with the prolongation of a line always distant 800 feet southerly from and parallel with the southerly line of Queens Boulevard, the said distance being measured at right angles to Queens Boulevard; thence generally westwardly along the said line parallel with Queens Boulevard and along the prolongations thereof to the intersection with the line midway between Manly Street and Mount Street; thence northwardly along the said line midway between Manly Street and Mount Street and the prolongation thereof to the point or place of beginning; and

That 30 per cent. of the entire cost and expense of the proceeding as authorized and amended shall be borne and paid by the Borough of Queens; such 30 per cent. of the cost and expense to be borne by the said Borough of Queens shall be levied and collected with the taxes upon the real property in said borough becoming due and payable in the year in which such cost and expense shall have been fixed and determined, provided that such cost and expense be ascertained in time to be included with the taxes on the real property of said borough in the same year; and if not determined in time the same shall be levied and collected with the taxes of the succeeding year; and

That the remaining 50 per cent. of such entire cost and expense of the proceeding as authorized and amended shall be borne and paid by The City of New York.

Dated August 6th, 1914.

FRANK L. POLK, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York. a6,17

Filing of Final Report.

SECOND DEPARTMENT.

In the Matter of acquiring title by The City of New York to certain lands and premises at and near the northeasterly corner of LEONARD STREET and MAUJER STREET, in the Sixteenth Ward, in the Borough of Brooklyn, City of New York, duly selected as a site for school purposes, according to law.

NOTICE IS HEREBY GIVEN THAT FREDerick E. Gunnison, Granville W. Harman and Walter Travis Daniel, Commissioners of Estimate and Appraisal in the above-entitled proceeding, have met and signed their final report herein and on August 4, 1914, filed the same in the office of the Board of Education of the City of New York, at Park avenue and Fifty-ninth Street, in the Borough of Manhattan, in the City of New York, and on the same day filed a duplicate of said report in the office of the Clerk of Kings County, in the Hall of Records, in the Borough of Brooklyn, in the City of New York, and that said report will be presented for confirmation to the Supreme Court, at Special Term, for the hearing of contested motions to be held in the Court House, Kings County, on August 19, 1914, at 10 o'clock A. M., or as soon thereafter as counsel can be heard.

Dated, New York, August 5, 1914.

FRANK L. POLK, Corporation Counsel. a6,17

Filing Bill of Costs.

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of HULL AVENUE (although not yet named by proper authority), from Montgomery avenue to Mueller street, in the Second Ward, Borough of Queens, City of New York, as amended by an order of this Court dated the 3rd day of June, 1910, and entered in the office of the Clerk of the County of Queens on the 6th day of June, 1910, so as to conform to the lines of said street as shown upon Section 2 of the final maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 19th day of June, 1908, and approved by the Mayor on the 5th day of August, 1908, and as shown upon Section 17 of the final maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 26th day of June, 1908, and approved by the Mayor on the 5th day of August, 1908, and as shown upon Sections 1 and 12 of the final maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held for the hearing of motions at the County Court House in the Borough of Brooklyn, in The City of New York, on the 17th day of August, 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, August 3rd, 1914.

JACOB N. IMANDT, A. C. COMBES, PETER C. HENDRICKSON, Commissioners of Estimate and Assessment.

WALTER C. SHEPPARD, Clerk. a3,13

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 BRYANT AVENUE, from Beuson Avenue to Laurel Hill Boulevard; HOLMES AVENUE, from Queens Boulevard to Tyler avenue; IRVING STREET, from Queens Boulevard to Tyler Avenue; and LONGFELLOW AVENUE, from Queens Boulevard to Tyler Avenue, in the 2nd Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to-wit:

First.—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 21st day of August, 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 24th day of August, 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, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 21st day of August, 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 25th day of August, 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 2nd day of November, 1911, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the prolongation of a line midway between Longfellow avenue and Whittier avenue, distant 100 feet northerly from the northerly line of Queens boulevard, the said distance being measured at right angles to Queens boulevard; and running thence southwardly along the said line midway between Longfellow avenue and Whittier avenue and along the prolongation of the said line to the intersection with the northeasterly line of Tyler avenue; thence southwestwardly at right angles to Tyler avenue a distance of 170 feet; thence northwestwardly and parallel with Tyler avenue to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Laurel Hill boulevard as this street is laid out west of Tyler avenue; thence westwardly along the said line parallel with Laurel Hill boulevard to the intersection with the prolongation of a line distant 100 feet westerly from and parallel with the westerly line of Bryant avenue, the said distance being measured at right angles to Bryant avenue; thence northwardly along the said line parallel with Bryant avenue and along the prolongations 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 Beuson avenue, the said distance being measured at right angles to Beuson avenue; thence eastwardly along the said line parallel with Beuson avenue and along the prolongation of the said line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the easterly line of Betts avenue and the westerly line of Holmes avenue as these streets are laid out between Queens boulevard and Beuson avenue; thence northwardly along the said bisecting line to the intersection with a line parallel with Queens boulevard and passing through the point of beginning; thence eastwardly along the said line parallel with Queens boulevard to the point or place of beginning.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, in the Municipal Building, Court House Square, in the Borough of Queens, in said City, there to remain until the 24th day of August, 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 for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 22nd day of October, 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, July 28th, 1914.

CLARENCE EDWARDS, Chairman; CHAS. POPE CALDWELL, Commissioners of Estimate. CLARENCE EDWARDS, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. a1,18

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 ONDERDONK AVENUE, from Metropolitan Avenue to Catalpa Avenue, in the 2nd Ward, Borough of Queens, and in the 18th Ward, Borough of Brooklyn, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to-wit:

First.—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 21st day of August, 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 24th day of August, 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, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 21st day of August, 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 25th day of August, 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 11th 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 Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on a line bisecting the angle formed by the intersection of the prolongations of the southwesterly line of Woodward avenue and the northeasterly line of Onderdonk avenue as these streets are laid out between Himrod street and Harmon street, distant 100 feet northerly from the northerly line of Metropolitan avenue, the said distance being measured at right angles to Metropolitan avenue, and running thence southeastwardly along the said bisecting line to a point distant 100 feet southeasterly from the southeasterly line of Catalpa avenue, the said distance being measured at right angles to Catalpa avenue; thence southwestwardly and parallel with Catalpa avenue to the intersection with a line midway between Onderdonk avenue and Seneca avenue as these streets are laid out southeasterly from Bleecker street; thence northwestwardly along the said line midway between Onderdonk avenue and Seneca avenue to the intersection with the southeasterly line of Bleecker street; thence northwesterly in a straight line to a point on the northwesterly line of Bleecker street midway between Onderdonk avenue and Seneca avenue; thence northwestwardly along a line always midway between Onderdonk avenue and Seneca avenue to the intersection with the prolongation of a line midway between Montrose street and Randolph street; thence westwardly along the said line midway between Montrose street and Randolph street, and along the prolongation of the said line to the intersection with a line midway between Seneca avenue and Scott avenue; thence northwardly along the said line midway between Seneca avenue and Scott avenue to the intersection with a line midway between Scholes street and Meserole street; thence westwardly along the said line midway between Scholes street and Meserole street to the intersection with a line midway between Scott avenue and Gardner avenue; thence northwardly along the said line midway between Scott avenue and Gardner avenue, and along the prolongation of the said line, to a point distant 100 feet northerly from the northerly line of Metropolitan avenue, the said distance being measured at right angles to Metropolitan avenue; thence eastwardly and parallel with Metropolitan avenue to the point or place of beginning.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, in the Municipal Building, Court House Square, in the Borough of Queens, in said City, there to remain until the 24th day of August, 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 for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 22nd day of October, 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, July 28th, 1914.

LEANDER B. FABER, Chairman; JOHN C. JUDGE, EDWARD ROCHE, Commissioners of Estimate. LEANDER B. FABER, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. a1,18

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, to an easement for sewer purposes between Knox Street and Broadway, north of Franklin Street, in the 1st Ward, Borough of Richmond, City of New York, which said easement is shown on a map adopted by the Board of Estimate and Apportionment on September 25, 1913.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to-wit:

First.—That the undersigned, Commissioners of Estimate, have completed their 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 19th day of August, 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 September, 1914, at 3.00 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, 13th Floor, Municipal Building, Chambers and Centre Street, in the Borough of Manhattan, in The City of New York, on or before the 19th day of August, 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 September, 1914, at 3.00 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 23rd day of October, 1913, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Richmond, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the north by the southerly line of Richmond terrace, on the east by a line always distant 100 feet easterly from and parallel with the easterly line of Knox street, the said distance being measured at right angles to Knox street; on the south by the northerly line of Franklin street, and on the west by a line always distant 100 feet westerly from and parallel with the westerly line of Knox street, the said distance being measured at right angles to Knox street.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Room 1529, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in said City, there to remain until the 20th day of August, 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 for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 22d day of October, 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, July 27th, 1914.

WM. ALLAIRE SHORTT, Chairman; FRANK H. CURRY, W. W. WHITFORD, Commissioners of Estimate. FRANK H. CURRY, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. jy30,a15

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-