THE CITY RECORD

VOL. XXXIX. NEW YORK, TUESDAY, SEPTEMBER 19, 1911. NUMBER 11665.

THE CITY RECORD

OFFICIAL JOURNAL OF THE CITY OF NEW YORK.

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

BOARD OF CITY RECORD.

WILLIAM J. GAYNOR, MAYOR.

ARCHIBALD R. WATSON, CORPORATION COUNSEL. WILLIAM A. PRENDERGAST, COMPTROLLER

DAVID FERGUSON, SUPERVISOR.

Supervisor's Office, Park Row Building, 13-21 Park Row.

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

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

SUPPLEMENTS: Civil List (containing names, salaries, etc., of the city employees), Two Dollars; Official Canvass of Votes, 10 cents; Registry and Enrollment Lists, 5 cents each assembly district; Law Department Supplement, 10 cents; Annual Assessed Valuation of Real Estate, 25 cents each section; Land Valuation Maps, One Dollar per Borough set, postage prepaid.

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

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

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

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PUBLIC SERVICE COMMISSION—FIRST DISTRICT.

No. 154 NASSAU STREET, NEW YORK CITY.

Calendar of Hearings for the Week Commencing September 18, 1911.

Tuesday, September 19—2 p. m.—Room 305—Case No. 1364—Metropolitan Street Railroad Company et al.—"Rates of fare upon connecting or intersecting lines of street railroad in the Borough of Manhattan."—Whole Commission.

Wednesday, September 20—9.30 a. m.—Room 305—Case No. 1284—Brooklyn and Jamaica Bay Railway Company—"Application for certificate of public convenience and necessity for railroad in Brooklyn."—Commissioner McCarroll. 2.30 p. m.—Room 305—Case No 1358—Manhattan Bridge Service Company—"Application for certificate of public convenience and necessity."—Commissioners McCarroll, Eustis and Cram.

Friday, September 22—2 p. m.—Room 1810—Degnon Contracting Company—"Arbitration City's Appeal."—H. H. Whitman of Counsel. 2.15 p. m.—Room 305—Case No. 1280—Brooklyn Borough Gas Company and Kings County Lighting Company—Edw. G. Baltz, et al., Complainants—"Rate for gas in Thirty-first Ward, Brooklyn.—Commissioner Maltbie. 2.30 p. m.—Room 305—Case No. 1357—Twenty-eighth and Twenty-ninth Streets Crosstown R. R. Company—"Application for approval of proposed contract and of readjustment and reorganization of company."—Commissioner Maltbie. 2.30 p. m.—Room 310—Case No. 1303—Nassau Electric Railroad Co.—Frederick Koch, Complainant—"Noise by cars on Ocean Avenue and Avenue F."—Commissioner McCarroll.

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

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

Changes in Departments, etc.

DEPARTMENT OF FINANCE.

September 16—Edmund J. Donegan, a Searcher in the Division of Awards, has tendered his resignation, which has been accepted, to take effect at the close of business September 30, 1911.

SURROGATE'S COURT,

County of New York.

New York, September 14—Appointed: Richard J. Cummins, 203 E. 61st st., New York City, as Clerk to the Surrogate, at a salary of $2,500 per annum.

DEPARTMENT OF DOCKS AND FERRIES.

September 15—The resignation of John P. J. Tully, Ticket Chopper, taking effect as of September 11, has been accepted.

The resignation of Patrick J. Garry, Dock Laborer, to take effect September 12, 1911, has been accepted.

September 16—Reinstated: George M. Bruce, to the position of Captain, at the rate of $1,920 per annum, while employed, to take effect to-day.

COLLEGE OF THE CITY OF NEW YORK.

September 15—August Bopp, temporarily employed as Thermostat Repairer at the College of The City of New York, has been transferred to his original position as Oiler, at $3 per day.

DEPARTMENT OF PARKS.

Boroughs of Manhattan and Richmond.

September 14—Appointed, September 13, 1911: John Bomerhinzen, Jr., Electrician, 317 E. 77th st., $4.50 per day.

PRESIDENT OF THE BOROUGH OF BROOKLYN.

September 7—Changes in the several Bureaus under the jurisdiction of the President of the Borough of Brooklyn, from August 16 to 31, inclusive:

General Administration—Under the provisions of Rule 12, Paragraph 4: Miss Lillian Ward, 174 W. 141st st., Manhattan, was employed as Stenographer and Typewriter, at $4 per day, to date from August 15.

Bureau of Highways: John Carroll, 1460 2d ave., Manhattan, Paver, dropped on August 17, for failure to report.

Patrick F. Conner, 798 Myrtle ave., Brooklyn, reassigned to duty as Flagger, at $4.50 per day, to date from August 8.

Appointed the following named Laborers, at $2.50 per day, to date from August 11: Michael Novellino, 237 Frost st.; John Tyrrell, Franklin ave. and Carroll st.; William Lunney, 216 Walworth st; Bonomo Domenico, 118 Kingsland ave.; Michele Vecchio, 822 5th ave.; Richard L. Hill, 242 Graham ave.; Antonio Iouricio, 366 Leonard st.; Antonio Colucci, 228 N. 6th st.; Edward Doyle, 195 Sackett st.; Ludwick Sojkor, 232 Georgia ave.; Charles Labriola, 69 Maspeth ave.; James Travers, 38 Columbia place; John Berney, 1018 Pacific st.; Anthony Newkirk, 51 High st.; Rocco Parella, 191 3d st.; James Lee, 1001 3d st.; Charles D. Mayer, 1254 59th st.; Patrick J. Callaghan, 498 Park place; Thomas E. Wynne, 93 4th ave.; Michael Testagrossa, 141 Hudson ave.; John Ashmore, 65 Floyd st.; Nicholas Downs, 622 Classon ave.

Charles V. Thompson, 201 E. 11th st., Manhattan, Paver, dismissed, July 7, 1911, for having reported for work in an intoxicated condition and for having used abusive and threatening language to his foreman.

Dismissed the following named Laborers on August 22 for failure to report: Frank Clarkin, 76 Park ave.; Michael Fina, 263 Schenectady ave.; William McNulty, 47 Taylor st.; John F. Wilson, 554 Vanderbilt ave.

Raymond V. Coxe, 117 Winthrop st., and Richard H. Groom, 15 Prospect st., Brooklyn, Second Grade Clerks, transferred from similar position in the Department of Finance, at $1,050 per annum, to date from September 1.

James McBride, 1844 Atlantic ave., Brooklyn, reinstated as Laborer at $2.50 per day, to date from August 24.

James McCormick, 1497 Madison ave., Manhattan, Inspector of Regulating, Grading and Paving, dismissed August 25, 1911, for neglect of duty.

Benjamin G. Hann, Jr., 1045 Corbin court, Brooklyn, Inspector of Regulating, Grading and Paving, dismissed on August 25, 1911, on charges embracing absence from duty without leave, neglect of duty, with having been intoxicated while engaged on certain work of the Department and with refusal to obey orders.

Rescinded dismissal of Daniel J. Boyle, 285 Hudson ave., Brooklyn, and reassigned him to duty as Laborer on August 9, at $2.50 per day.

Michael Doughton, 229 E. 46th st., Manhattan, Paver, dismissed for unsatisfactory conduct and intoxication on August 30, 1911.

Russell T. Kerby, 26 Buffalo ave., Brooklyn, and Linn D. Shipman, 501 1st st., Brooklyn, employed under the provisions of Rule 12, Paragraph 4, as Topographical Draftsman, compensation at the rate of $100 per month, to date from August 29.

Bureau of Public Buildings and Offices: Appointed the following named Male Attendants at $900 per annum, for a temporary period not to exceed two months, to date from August 19: Abraham G. Harlin, Jr., 301 15th st.; Max H. Rubrum, 271½ Essex st., Manhattan; Thomas V. Butterly, 103 Jefferson ave.; Benjamin Finkelstein, 86 E. 7th st., Manhattan; Terence Sweeney, 1240 Washington ave.; Joseph F. Callahan, 150 W. 52d st., Manhattan; Arthur J. Gerosa, 60th st. and 11th ave.; Alfred J. Rienzi, 2 E. 133d st., Manhattan; John Meenagh, 1325 College ave.; Abraham Marker, Ocean ave. and Sheepshead Bay road; Christopher J. Welden, 94 Lott st.; Joseph T. Blake, 64 Heyward st.; John F. Crowell, 955 Madison st.; Edward E. Cavanagh, 154 N. 8th st., and one Female Attendant, at $750 per annum, for a temporary period not to exceed two months, to date from August 11, Emma L. Spillane, 116 Kings st., Manhattan.

Beatrice E. Duffy, 331 E. 58th st., Manhattan, appointed Temporary Telephone Operator, for a period not to exceed three months, to date from August 14, at $75 per month.

John B. Schlessinger, 90 2d st., between 10th and 11th aves., Brooklyn, employed as Watchman, compensation at the rate of $900 per annum, to date from August 16, under the provisions of Rule 12, Paragraph 4.

Richard Lambert, 268 Rodney st., Brooklyn, transferred from the office of the President of the Borough of Manhattan, as an Attendant, at $900 per annum, for a temporary period not to exceed two months, to date from August 23.

Appointed the following named as Attendants, at $750 per annum, all to date from August 18, for a temporary period not to exceed two months: Anna McCabe, 240 Lafayette st., Manhattan; Sarah E. Coll, 519 W. 47th st., Manhattan; Mrs. Mary B. Caulfield, 58 Prospect ave., Flushing; Minnie Byrne, 546 W. 50th st., Manhattan; Margaret E. Masterson, 16 W. 125th st., Manhattan; Margaret Carlyle, 72 W. 120th st., Manhattan; Josephine Fleming, 351 Lafayette ave., Brooklyn; Mary C. Van Hennik, 84 Bradhurst ave.; also the following Male Attendants (temporary), at $900 per annum each, both to date from August 19: Joseph P. Hennessey, 543 E. 139th st., Manhattan; Samuel T. Swan, 1342 Sterling place, Brooklyn, and the following Female Attendants (temporary), at $750 per annum each, all to date from August 19: Mary E. Cunningham, 322 E. 89th st., Manhattan; Elizabeth M. Kennedy, 223 E. 82d st., Manhattan; Delia Sullivan, 2328 Bedford ave., Brooklyn; Mrs. Sarah Taylor, 857 8th ave., Brooklyn; Therese Kelly, 396 1st st., Brooklyn; Mrs. Hannah C. McPadden, 440 Clinton st., Brooklyn; Catherine A. Hughes, 303 E. 73d st., Manhattan.

The following emergency appointments were made under the provisions of Rule 12, Paragraph 4: Michael E. Conry, 657 Fenimore st., Brooklyn, Watchman, at $900 per annum, to date from August 11; Frank J. Briest, 52 Vernon ave., Brooklyn, Attendant, at $900 per annum, to date from August 18; Elizabeth E. Robinson, 26 Boerum place, Brooklyn; Mary E. Bridges, 87 Flatbush ave., Brooklyn; Ray Pelter, 483 Broadway, Brooklyn, Female Attendants, at the rate of $750 per annum, to date from August 19.

James Feeney, 304 Livingston st., Brooklyn, employed as Emergency Automobile Engineman, under the provisions of Rule 12, Paragraph 4, at $3 per day.

Joseph Fortune, 196 Madison st., Brooklyn, appointed as Watchman for a temporary period not to exceed two months, at $900 per annum, to date from August 26.

The following persons have been appointed at $900 per annum, effective on the date indicated opposite their respective names: Joseph F. Jacobson, 952 Lafayette ave., Brooklyn, Watchman, August 28; George D. Callahan, 17 1st st., New Brighton, S. I., Watchman, August 26; Philip S. Powers, 256 Madison st., Manhattan, Watchman, September 1.

The following Female Attendants (temporary), have been appointed at $750 per annum, all to date from September 3, 1911: Mary A. Sammon, 17 Greenwich ave.; Elizabeth T. Tormey, 621 Macon st; Katie E. Murphy, 23 St. Andrews place; Matilda C. Sherman, 18 Rochester ave.

Bureau of Sewers—Under the provisions of Rule 12, Paragraph 4, and subject to the approval of the Municipal Civil Service Commission, Peter Oliver was appointed as Emergency Automobile Engineman, compensation at the rate of $3 per day, for an additional period of fifteen days, to date from August 22, 1911.

Appointed the following named Inspectors of Sewer Construction, compensation at the rate of $4 per day, to date from August 22: Harold A. Norris, 255 W. 92d st., Manhattan; Harry C. Browning, 545 E. 139th st., Manhattan; Alfred H. Henderson, 132 Hull st., Brooklyn, Mechanical Draftsman, transferred from the Bureau of Highways, at $1,500 per annum, to date from September 1, 1911.

Borough of Manhattan.

Bureau of Buildings.

Operations for the Week Ending September 9, 1911: Plans filed for new buildings, 11; estimated cost of new buildings, $1,432,500; plans filed for alterations, 49; estimated cost of alterations, $158,872; buildings reported as unsafe, 42; buildings reported for additional means of escape, 16; other violations of law reported, 107; unsafe building notices issued, 70; fire escape notices issued, 27; violation notices issued, 200; unsafe building cases forwarded for prosecution, 2; fire escape cases forwarded for prosecution, 2; violation cases forwarded for prosecution, 20; iron and steel inspections made, 2,198.

RUDOLPH P. MILLER, Superintendent of Buildings.

BOARD OF ESTIMATE AND APPORTIONMENT.

Minutes of Meeting of Board of Estimate and Apportionment held at Room 16, City Hall, Thursday, August 3, 1911.

FINANCIAL MATTERS.

The Board met in pursuance of an adjournment.

Present—William J. Gaynor, Mayor; William A. Prendergast, Comptroller; Francis P. Bent, Acting President, Board of Aldermen; George McAneny, President, Borough of Manhattan; Lewis H. Pounds, Acting President, Borough of Brooklyn; Thomas W. Whittle, Acting President, Borough of The Bronx; Lawrence Gresser, President, Borough of Queens; Theodor S. Oxholm, Acting President, Borough of Richmond.

The Mayor, Hon. William J. Gaynor, presided.

After disposing of the Public Improvements Calendar the following Financial and Franchise Matters were considered:

FINANCIAL AND FRANCHISE MATTERS.

The Minutes (Franchise Matters) of meeting called for July 10, 1911, and of meeting (Financial and Franchise Matters), held July 13, 1911, as printed in the CITY RECORD, August 3, 1911, were approved.

FINANCIAL MATTERS.

The Secretary presented a communication from the Secretary of the Board of Education transmitting certified copy of resolution adopted by the Board of Education relative to fixing the compensation of Janitors of various school buildings.

Which was referred to the Committee on Salaries and Grades, consisting of the Comptroller and the President of the Board of Aldermen.

The Secretary presented the following communication from the President of the Borough of Richmond, designating Theodor S. Oxholm as Acting Commissioner of Public Works, and as such to sit at meetings of the Board of Estimate and Apportionment and vote on matters coming before the Board, in the absence of the President of the Borough of Richmond and the Commissioner of Public Works, which was ordered printed in the minutes and filed:

The City of New York, Office of the President of the Borough of Richmond. Borough Hall, New Brighton, July 27, 1911.

Board of Estimate and Apportionment, 277 Broadway, New York City:

Sirs—In my absence from the City and in the absence of Louis L. Tribus, Acting Commissioner of Public Works, I hereby designate Theodor S. Oxholm, Engineer in this office, as Acting Commissioner of Public Works, and as such to sit at meetings of the Board of Estimate and Apportionment in my place and to vote in my stead on matters that come before the Board; this designation to terminate on the return to duty of Mr. Tribus, who is now on vacation.

Yours very truly, GEORGE CROMWELL, President of the Borough.

The Secretary presented the following communication from the Fire Commissioner referring to the report of the Comptroller, recommending disapproval of the request of the Board of Aldermen for an issue of $2,743.48 special revenue bonds (subdivision 8, section 188 of the Charter), to provide for the salaries of certain employees in the Building Bureau of the Fire Department, for the reason that if the salaries are chargeable to corporate stock they should not be paid out of short term bonds, also a report of the Corporate Stock Budget Committee relative thereto:

(The report of the Comptroller referred to in the communication of the Fire Commissioner is printed in the Financial Minutes of July 27, 1911, CITY RECORD, September 18, 1911.)

Fire Department of The City of New York, Office of the Commissioner, July 27, 1911.

Hon. WILLIAM J. GAYNOR, *Mayor, and Chairman Board of Estimate and Apportionment:*

Sir—Referring to report of the Comptroller on today's regular calendar of the Board of Estimate and Apportionment in matter of request of the Board of Aldermen for an issue of $2,743.48 special revenue bonds to provide for the salaries of certain employees of the Division of Buildings, Bureau of Repairs and Supplies, of this Department, the recommendation in connection therewith being that the application be denied for the reason that if these salaries are not properly chargeable to corporate stock they should not be paid out of short time bonds, I have the honor to state that the amount specified is necessary to pay the salaries of three Inspectors of Buildings at $1,800 each per annum, two Architectural Draftsmen at $1,500 each per annum, and one Inspector of Masonry Construction at $1,500 per annum, for part of the month of September and for the full months of October, November and December, of the current year.

The amount of the account to which the salaries of these employees are now charged (C-FD-20) was originally $600,000. On June 3, 1910, the Board of Estimate and Apportionment rescinded $225,127.60 of this amount, releasing or making available $374,872.40, the amount of incumbrance as of December 31, 1909; the salaries being charged against the amount released. This latter amount is now fully incumbered and no further salaries can be charged against it, although the men are employed in work chargeable to said account. As the services of these six employees are necessary, it is requested that an additional sum of $3,000 be released, thereby increasing the available balance by that amount.

In further explanation it should be stated that formerly bond issue appropriations for sites and buildings were made in bulk, but that under the present City administration they have been made in detail for the various sites and buildings.

It is the intention to ask provision in the departmental appropriation estimate for 1912 for the salaries for that year of the six employees affected, and in order that the work of the Department may not be embarrassed by the necessity of dispensing with their services because of insufficient means to pay their salaries, I have the honor to request early and favorable action in the matter of this application.

Respectfully, JOS. JOHNSON, Fire Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 27, 1911, the Commissioner of the Fire Department requested that corporate stock amounting to $3,000 be made available for salaries in the fund C-FD-20. In connection therewith we report:

The amount originally authorized for sites, buildings and alterations in the account, C-FD-20, was $600,000, of which $225,127.60 was rescinded on June 3, 1910, leaving a balance of $374,872.40. Of this amount there appears to be a balance available on August 1, 1911, of $4,500 unallotted stock and $18.99 in cash. It is stated by the Commissioner that there are encumbrances chargeable to the fund which leaves a net available balance of $653.94. It has been the practice in the Department to apportion a part of the salaries for the force assigned to the Bureau of Repairs and Supplies to an account similar to C-FD-20; that is C-FD-19, of which there is an unencumbered balance of $738.41. The total amount available in the two accounts is therefore $1,392.35.

The monthly payroll cost for the force is $825; the amount necessary for the remainder of the year is $4,125. Provision is necessary for $2,732.65 in order to carry the staff to December 31, 1911.

We recommend the approval of the request and transmit herewith resolution providing for the amendment, subject to the concurrence of the Board of Aldermen, of the resolution adopted by your Board on June 3, 1910, whereby the amount rescinded may be reduced by $2,732.65. Respectfully,

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

The following resolution was offered:

Resolved, That subject to the concurrence herein by the Board of Aldermen, the resolution adopted by the Board of Estimate and Apportionment on June 3, 1910, and concurred in by the Board of Aldermen on June 21, 1910, which reads as follows:

"Resolved, That the following resolution adopted by the Board of Estimate and Apportionment June 7, 1907, and approved by the Board of Aldermen July 23, 1907.

"'Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding one million dollars ($1,000,000), for the purpose of providing means for the acquisition of sites, the erection of buildings thereon and for additions and alterations to buildings already erected for the use of the Fire Department of The City of New York, as follows:

In the Boroughs of Manhattan and The Bronx	$600,000 00
In the Boroughs of Brooklyn and Queens	400,000 00
	$1,000,000 00

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

—be amended to read as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding five hundred sixty-seven thousand nine hundred sixteen dollars and sixty-nine cents, for the purpose of providing means for the acquisition of sites, the erection of buildings thereon, and for additions and alterations to buildings already erected for the use of the Fire Department of The City of New York, as follows:

In the Boroughs of Manhattan and The Bronx	$374,872 40
In the Boroughs of Brooklyn and Queens	193,044 29
	$567,916 69

—and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller is authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding five hundred sixty-seven thousand nine hundred sixteen dollars and sixty-nine cents ($567,916.69), the proceeds whereof to be applied to the purposes aforesaid."

—be further amended to make the amounts read:

In the Boroughs of Manhattan and The Bronx	$377,605 05
In the Boroughs of Brooklyn and Queens	193,044 20

—making the total of the authorization five hundred seventy thousand six hundred forty-nine dollars and twenty-five cents ($570,649.25).

Which was adopted by the following vote:

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

The Secretary presented communications relative to Rapid Transit Railways, as follows:

From Henry S. Wood relative to the construction of new subways, etc.;

From Reliance Labor Club of Marble Cutters, Carvers and Setters of New York and vicinity, favoring the Triborough subway system, etc.

Which were referred to the Committee of the Whole.

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of the Comptrolier recommending, the issue of $6,065.51 special revenue bonds (subdivision 8, section 188 of the Charter) to provide for the salaries of two Pathologists from July 1 to December 31, 1911, at $1,500 each per annum, and for increases in wages of Deckhands from $500 to $720 per annum, from May 17 to December 31, 1911, and of Steamfitters from $5 to $5.50 a day from March 15 to December 31, 1911, Department of Public Charities; also recommending approval of a schedule for the fund:

(On July 6, 1911, the resolution of the Board of Aldermen requesting the above appropriation was referred to the Comptroller.)

(On July 17 the above matter was laid over to July 27, and on that date was laid over for one week.)

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of six thousand and sixty-five dollars and fifty-one cents ($6,065.51), the proceeds whereof to be used by the Department of Public Charities for the purpose of paying salaries of two Pathologists, and providing for increase in wages of Deckhands and Steamfitters.

Adopted by the Board of Aldermen June 20, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 3, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 12, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On June 20, 1911, the Board of Aldermen adopted a resolution requesting special revenue bonds in the sum of $6,065.51, to be used by the Department of Charities to pay the salaries of two Pathologists at $1,500 per annum, from July 1 to December 31, 1911, and for increasing the compensation of thirty-one Deckhands from $500 to $720, and three Steamfitters from $5 to $5.50 a day. In connection therewith I report as follows:

The following table shows the items in detail:

Pathologists, 2 at $1,500 per annum, from July 1 to December 31, 1911	$1,500 00
Deckhands, 31, increased from $500 to $720 per annum, from May 17 to December 31, 1911	4,237 01
Steamfitters, 3, increased from $5 to $5.50 a day, from March 15 to December 31, 1911	328 50
	$6,065 51

For several years the salaries of a Pathologist at $5,000, two assistants at $1,500 and one at $1,200, in the City Hospital, Blackwells Island, were paid from the Russell Sage Institute of Pathology Fund. This has been discontinued, and it is necessary for the Department to employ its own Pathologists. The proposed compensation is the established rate of the Department.

The $720 rate for the 31 Deckhands was established by the Board of Estimate and Apportionment and the Board of Aldermen on April 20 and May 2, 1911, respectively.

To comply with a resolution adopted by the Board of Estimate and Apportionment on February 9, 1911, and by the Board of Aldermen on February 28, 1911, fixing the rate of Steamfitters in City departments at $5.50 a day, the compensation of the three incumbents of the position in the Department is to be increased from $5 to $5.50 a day.

I recommend the adoption of the attached resolutions granting the request and approving schedule for the fund.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on June 20, 1911, requesting an issue of special revenue bonds in the sum of six thousand and sixty-five dollars and fifty-one cents ($6,065.51), the proceeds whereof to be used by the Department of Public Charities for the purpose of paying salaries of two Pathologists from July 1 to December 31, 1911, at $1,500 per annum, and providing for increases in wages of Deckhands from $500 to $720 per annum, from May 17 to December 31, 1911, and Steamfitters from $5 to $5.50 a day, from March 15 to December 31, 1911, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and for the purpose of providing means therefor the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York to an amount not exceeding six thousand and sixty-five dollars and fifty-one cents ($6,065.51), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule for the Department of Public Charities for the year 1911 as follows:

Department of Public Charities.

General Administration, Office of the Commissioner, Wages Increase, Regular Employees, to be paid from special revenue bonds—Steamfitters, 3 from $5 to $5.50 a day (277 days), from March 15.

Administration, Manhattan and The Bronx, Departmental Steamboats, Launches and Piers, Wages Increase, Regular Employees, to be paid from special revenue bonds—Deckhands, 31 from $500 to $720 per annum (from May 17), $6,820.

Institutions, Manhattan and The Bronx, City Hospital, Salaries, Special Revenue Bond Force—Pathologists, 2 at $1,500 per annum, from July 1.

Which was adopted by the following vote:

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

The Secretary presented the following report of the Corporate Stock Budget Committee recommending that the request of the President of the Borough of Brooklyn for $500,000 corporate stock for the Eighth Ward Market be denied:

(On July 27, 1911, the above matter was laid over for one week.)

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, March 10, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 5, 1910, the Board of Aldermen referred to the Board of Estimate and Apportionment a resolution introduced in that Board by Alderman Heffernan for $100,000 in special revenue bonds "to carry on the major part of the work" on the Eighth Ward Market, Borough of Brooklyn. In connection therewith we report as follows:

The action of the Board of Aldermen was based upon a report of its Committee on Finance that the resolution be referred to the Board of Estimate and Apportionment with the request that corporate stock, in addition to the $40,000 already appropriated, be issued for the purpose. Funds for the work are requested in the 1911 corporate stock estimate for the Borough of Brooklyn. The matter will be considered in the Corporate Stock Budget for 1911.

We recommend, therefore, that no action be taken by this Board on the present request. Respectfully,

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

The following resolution was offered:

Resolved, That the request of the President of the Borough of Brooklyn for the issue of five hundred thousand dollars ($500,000) corporate stock for the construction of a public market building on land owned by The City of New York at the foot of 37th street, Borough of Brooklyn, be and the same is hereby denied.

Which was adopted by the following vote:

Affrmative—The Mayor, the Comptroller, the President of the Borough of Manhattan, the Acting Presidents of the Boroughs of Brooklyn and The Bronx, the President of the Borough of Queens and the Acting President of the Borough of Richmond—13.

Present and not voting—The Acting President of the Board of Aldermen—3.

The Secretary presented the following report of the Corporate Stock Budget Committee relative to the acquisition of site for court house in New York County and request of Commissioner of Bridges for $2,500,000 corporate stock for construction of terminal at Manhattan end of Brooklyn Bridge, with recommendation that action be deferred:

(On July 27, 1911, the above matter was laid over for one week.)

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 25, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—At the meeting of the Board of Estimate and Apportionment held July 17, 1911, the matter of the site for a new court house for New York County and the request of the Commissioner of Bridges for $2,500,000 corporate stock for the construction of terminal at the Manhattan end of the Brooklyn Bridge, were referred back to the Corporate Stock Budget Committee

In regard to the site for a court house the committee is not yet prepared to report.

It was not until today that the committee received a statement from the Commissioner of Bridges supporting his request for $2,500,000 corporate stock for the terminal. We have not had time to study this matter and recommend that action be deferred. Respectfully,

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

The report was approved.

The Secretary presented the following report of the Commissioner of Bridges relative to the proposed terminal of the Manhattan end of the Brooklyn Bridge in connection with the new Municipal Building, together with a report of the Corporate Stock Budget Committee, recommending an authorization of $500,000 corporate stock for the reconstruction of the Manhattan Terminal of the Brooklyn Bridge:

(The report of the Corporate Stock Budget Committee, presented to the Board on July 17, 1911, recommended that the Commissioner of Bridges transmit to the Board before its meeting of this date a complete statement, giving detailed figures of architects and engineers, also opinions of experts on the possibility of any other than all motor car trains to operate on the steep grade that is proposed for the terminal.)

(On July 27, 1911, the above matter was laid over for one week.)

Department of Bridges, City of New York, 13-21 Park Row, Manhattan, N. Y., July 25, 1911.

To the Honorable Board of Estimate and Apportionment of The City of New York,
277 Broadway, Manhattan:

Gentlemen—In accordance with resolution of your honorable Board adopted July 17, 1911, I transmit herewith copy of report, giving detailed figures of the Chief Engineer of this Department relative to the proposed terminal of the Manhattan end of the Brooklyn Bridge in connection with the new Municipal Building, together with copies of communication from Jacobs & Davis, Consulting Engineers, and William S. Menden of the Brooklyn Rapid Transit, expressing opinions as to the feasibility to operate over the grades of the proposed terminal with other than all motor car trains. Respectfully, ARTHUR J. O'KEEFFE, Commissioner.

Department of Bridges, City of New York, 13-21 Park Row, Manhattan, N. Y., July 24, 1911.

Hon. ARTHUR J. O'KEEFFE, *Commissioner of Bridges:*

Sir—At a meeting of the Board of Estimate and Apportionment held July 11, 1911, the report of the Corporate Stock Committee contained a recommendation requesting the Commissioner of Bridges to submit to the Board, before its meeting July 27, 1911, a complete statement giving detailed figures of architects and engineers, also opinions of experts on the possibility of any other than all motor car trains to operate on the steep grade that is proposed for the terminal. The desired information is requested in connection with an appropriation for rebuilding the Manhattan Terminal of the Brooklyn Bridge.

Authority for the reconstruction of this building is found in chapter 90 of the Laws of 1907. Chapter 89 of the Laws of 1907 provided for the construction of a temporary extension of the present terminal of the New York and Brooklyn Bridge over Park row, and for the removal of same on completion of the new terminal.

At the time the temporary extension was made over Park row the facilities for travel were thereby increased, and today we are operating 62 six-car trains an hour on the elevated and 360 trolley cars per hour, which, together with the foot traffic, gives a total of over 1,000 people a minute passing through the bridge terminal during the rush hours. The traffic has increased to such an extent that we are no longer able with these temporary facilities to handle it with proper comfort and convenience. In order to better the facilities the new station is designed.

The proposed station, from an operating standpoint, consists of two upper decks with four pocket tracks each for elevated trains, where trains are unloaded and loaded from separate platforms; a mezzanine floor with eight trolley loops, where the incoming and outgoing passengers are separated; a promenade on the ground floor, leading to the footwalk of the bridge, and affording access by means of stairways to the trolley loops on the mezzanine floor above. Beneath this is to be a subway connection with two tracks connecting the Brooklyn Bridge with the station under the Municipal Building. When these tracks are put in it will be feasible to operate trains from the Brooklyn Bridge down into the Municpal Building and back over the Manhattan Bridge or the Williamsburgh Bridge or up Broadway when track connection is made. This station also provides for a terminal for trains from Brooklyn which traffic conditions make advisable to turn back at the Brooklyn Bridge.

Passengers for the elevated cars are taken from the street to the platforms by escalators and stairways, and passengers from the trains are conducted to the street by separate passways and stairways so that the traffic incoming is not mixed with the outgoing traffic. The trolley traffic is taken care of in a similar manner, separate stairways being provided for passengers arriving by trolley to descend to the promenade floor, and stairways are provided for outgoing passengers to ascend to their reespective trolley loops from the promenade floor. This does away with all crossing of trolley tracks by pedestrians, as the cars arrive on their respective loops, discharge their passengers, move forward, and take on their new load of passengers.

The proposed new station embraces two general features—the train shed where the trains and trolleys arrive and depart and the head house where the people pass to and from the trains and trolleys. A connection is provided for the Third Avenue Elevated so that passengers can be transferred from one system to the other without leaving the building. The plans also provide for a footway across Park row of an architecturally ornate structure.

The face of the proposed building will be made to harmonize architecturally with the surrounding buildings.

In order to reconstruct the terminal station it is necessary first to take out the elevated railway traffic, and to do this the subway into the Municipal Building must first be constructed. Most of the plans for this work are now ready in the Bridge Department and a contract can be let on short notice. In order to construct the subway connecting the bridge with the Municipal Building it is necessary to close William street and North William street. A resolution for this passed the Board of Estimate on May 22, 1908, by a unanimous vote, but was never approved by the Mayor according to section 442 of the Charter, and is thus inoperative, and action must again be taken upon it.

The Public Service Commission has established the following grades on the approaches to the East River bridges for subway trains:

Manhattan end, Brooklyn Bridge	5.28 %
Manhattan end, Manhattan Bridge	5.056%
Brooklyn end, Manhattan Bridge	5.4 %
Manhattan end, Williamsburgh Bridge	4.6 %
Brooklyn end, Williamsburgh Bridge	5.1 %

The grade of 5.4% on the Brooklyn approach to the Manhattan Bridge makes this a controlling grade in the subway route, and whatever can pass over that grade will pass over the Brooklyn Bridge grade with the same equipment. The McAdoo tunnels are operating a grade of 5% with all motor cars, and if, for any reason, a car is disabled the train will haul it up the grade. The Boston subways are operating on a grade of 5% with six-car trains—all motor cars. The Philadelphia Rapid Transit Company are operating a grade of 5% and are operating all motor cars.

The Brooklyn Rapid Transit Company, in a letter to me dated July 17, believes that it is perfectly feasible to operate over this 5.28% grade, and with motor cars of the newer type as now operated across the Brooklyn Bridge it would not be necessary for all motor cars on a six-car train. The new type of motor cars to be adopted will probably be lighter than the present motor cars. At the present time the elevated service is being operated across the Williamsburgh Bridge at the Delancey street station on a 4.6% grade with four motor cars to a six-car train and they are having no difficulty with the operation. The Brooklyn Rapid Transit Company admit that this equipment would operate over the proposed grade at the Brooklyn Bridge. There are also being operated across the Williamsburgh Bridge at the present time five-car trains of the Long Island Railroad equipment which have three motor cars and two trailers.

This subway connection is deemed necessary to provide adequate terminal facilities for the bridge for the convenience of the Brooklyn passengers who wish to transfer to the subway trains in Manhattan, and to permit operating through service over the other bridges and up Broadway in conformity with the routing of trains proposed in the McAneny report. Unless this connection is made passengers on trains crossing the Brooklyn Bridge cannot make the transfer to the subway without considerable inconvenience.

The following estimate of cost is based on the provision of two decks with pockets for elevated trains:

Head house and approaches, inclusive of foundation work, steel work, granite work for facade, iron work, escalators, electric wiring, plumbing, gas fitting, etc.	$925,000 00	
Contingencies, architects' fees, etc., 8 per cent	75,000 00	
		$1,000,000 00
Train shed and track approaches	$929,000 00	
Subway connection, including shoring of present structure	390,000 00	
Signal system	50,000 00	
Closing William and North William streets, exclusive of damages	20,000 00	
Contingencies, 10 per cent	111,000 00	
		1,500,000 00
		$2,500,000 00

The proposed subway connection to the station under the Municipal Building will afford great relief to the bridge terminal, and in view of the possible development of the subway system, tending to divert traffic from the Brooklyn Bridge, it might be wise to install at the present time only one of the decks for elevated trains and provide for an additional deck, which could be installed when needed, without interruption of traffic, at an estimated cost, included above, of $277,000.

The first step, namely, the construction of the subway connection, and the incidental closing of William and North William streets, will occupy one year. Plans for this portion of the work are ready and a contract can be let at an early date.

In the meantime the detailed plans will be perfected and the contract let for the terminal, so that the materials may be fabricated and delivered, and construction begun as soon as trains have been diverted into the station under the Municipal Building.

Attached hereto are copies of communications from Jacobs & Davies, Engineers of the McAdoo tunnel, and W. S. Menden of the Brooklyn Rapid Transit, expressing opinions that it is feasible to operate over the grades of the proposed terminal with other than all motor car trains. Respectfully,

H. A. LA CHICOTTE, Deputy and Acting Chief Engineer.

Jacobs & Davies, Inc., Consulting Engineers, 30 Church street, New York, July 22, 1911.

H. A. LA CHICOTTE, Esq., *Deputy and Acting Chief Engineer,* Department of Bridges, City of New York:

Dear Sir—Following my interview yesterday with Mr. Collin M. Ingersoll, Consulting Engineer of your Department, and the instructions of Mr. Ingersoll, I beg to advise you in relation to my opinion as to the operation over the proposed grade you contemplate constructing as a connection between the Centre street loop at the new Municipal Building and the Brooklyn Bridge.

I understand from Mr. Ingersoll that the grade will not exceed 5.28% as a maximum and that this grade is compensated on the curve, so that the condition is no worse for operation than 5.28% grade on tangent. I also understand that the condition to be figured would be on the basis of dry and protected rail; and further, that the loading of the Brooklyn Bridge limits the make-up of trains operating over this connection to four motor cars with two trailers, or a total of six cars per train of the types and general sizes now operated by the Brooklyn Rapid Transit Company on the Brooklyn Bridge.

I have before me the information as to the weights and power of these cars, and understand that a train made up as above would weigh, with passenger loads, approximately 260 tons. On the short distance involved in this grade it would be perfectly proper to consider the motors operating to their full rated capacity; and under these conditions I am of the opinion that there will be no serious difficulty in operating trains up this grade at *slow speed* when they are made up in this manner. In the reverse direction it may be desirable to supplement the ordinary braking equipment with electric brakes or other safety appliances in case of the failing of the air brakes.

In order to corroborate my figures and judgment in this matter, I had an experiment made last night in the Hudson River tunnel, where there exists for a short distance of about a train length, a grade of 5.465%, which under usual operation is a descending grade; although during the night hours it is regularly operated as an ascending grade by trains in the uptown tunnels. The motor cars used on the Hudson & Manhattan Railroad are approximately of the same weight as the motor cars of the Brooklyn Rapid Transit Company above mentioned, though the electrical equipment is slightly more powerful. I took two of these motor cars and stood on this ascending grade; then, having cut out the electric power from one of these cars, I had the two cars started with one motor car. They started easily and ascended the grade, accelerating to a speed of about five miles per hour.

The resistance of a motor car "dead," together with its weight, is so much greater than that of the ordinary trailer car, that in my opinion there would be not the least difficulty in starting and accelerating one trailer car with one motor car on this grade; and consequently I feel no hesitation in saying that with four motor cars and two trailer cars as now operated on the Brooklyn Bridge, there would be no serious difficulty in operating this connection proposed to be constructed by you, as described above. Very truly yours, JACOBS & DAVIES, Inc., J. V. Davies, Vice-President.

Brooklyn Rapid Transit Co., 85 Clinton street, Brooklyn, N. Y., July 17, 1911.

Mr. H. A. LA CHICOTTE, *Deputy and Acting Chief Engineer,* Department of Bridges, Manhattan:

Dear Sir—Replying to your letter of July 13 concerning the feasibility of operating trains across the Brooklyn Bridge over a maximum grade of 5.28% compensated for the curve at the bottom, beg to say that the operation over such grade we believe practical and that all motor cars of the newer type of car as now operated across the Brooklyn Bridge will not be necessary for a six-car train.

The question of whether four motor cars to a six-car train will be sufficient we have not definitely determined but under favorable conditions it is believed that the equipment such as now operating over the grades on the Williamsburgh Bridge will operate over the grade as proposed for the Brooklyn Bridge.

Yours very truly, W. S. MENDEN.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—In response to the request of the Board of Estimate and Apportionment the Commissioner of Bridges has submitted a complete statement giving detailed figures of architects and engineers on the proposed terminal of the Manhattan end of the Brooklyn Bridge and, also, opinions of experts on the possibility of operating any trains except all motor car trains on the steep grade proposed for the terminal.

The statement of the Bridge Commissioner arrived so late that it was impossible for the Corporate Stock Budget Committee to report upon this matter at the meeting of July 27, 1911. Since that time the commitee has considered this matter and become convinced that a new terminal will shortly become an absolute necessity. The evidence of engineer experts as submitted by Commissioner O'Keeffe is in favor of the proposition that it will not be necessary to have each car equipped with a motor in order to operate over the steep grade that is proposed.

While the committee is of the opinion that provision should be made at this time for the new terminal we are in doubt concerning the cost of the terminal. The Commissioner asked for $2,500,000 for this purpose. He itemizes his request as follows:

Terminal building, exclusive of promenade approach	$1,000,000 00
Train sheds and track approaches	929,000 00
Subway connection, including shoring of present structure	390,000 00
Signal system	50,000 00
Closing William and North William streets, exclusive of damages	20,000 00
Contingencies, 10 per cent	111,000 00
	$2,500,000 00

It appears to the committee that the so-called terminal building, which it is estimated will cost $1,000,000, would be an extravagance. Though called a building it is really designed to be but little more than an ornamental facade for the train shed which in itself will cost approximately $1,000,000. We have conferred with the Bridge Commissioner on this point and he agrees with us that it might be possible to reduce the cost of the building. As a result of our conferences with the Commissioner we recommend that corporate stock to the amount of $500,000 be authorized to enable the Commissioner to do all necessary preliminary work on the terminal.

The work for which we recommend the authorization, with the estimated cost of each item, is as follows:

Subway connection, including shoring of present structure	$390,000 00
Signal system	50,000 00
Closing William and North William streets, exclusive of damages	20,000 00
Contingencies	40,000 00
	$500,000 00

Respectfully, WM. A. PRENDERGAST, Comptroller; FRANCIS P. BENT, Acting President, Board of Aldermen; GEORGE McANENY, President, Borough of Manhattan, Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding five hundred thousand dollars ($500,000) to provide means for reconstructing the Manhattan terminal of the Brooklyn Bridge, as follows:

Subway connection, including shoring of present structure	$390,000 00
Signal system	50,000 00
Closing William and North William streets, exclusive of damage	20,000 00
Contingencies	40,000 00

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

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller relative to, the modification of Salary Schedules Nos. 548 and 503 supporting the appropriation made in the Budget for the year 1911 for said Department, providing for increases in the compensation of three Enginemen (in charge) from $4.50 a day for 365 days to $1,750 per annum, an increase of $107.50 for each incumbent, involving the transfer of $161.25 and to be effective as of July 1, 1911:

Department of Water Supply, Gas and Electricity ,Commissioner's Office, 13-21 Park Row, July 21, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller:*

Dear Sir—I would like to place on an annual rate the salaries of the three Enginemen in charge of the High Pressure Fire Service Pumping Stations in the Borough of Brooklyn, who are now paid the same per diem rate as the other Enginemen at the stations. To accomplish this a modification is necessary of the salary schedule supporting the appropriation of 1911, No. 548, entitled "Water Supply, Borough of Brooklyn, High Pressure Fire Service, Operation of Stations, Salaries," and a transfer to that account of $161.25. This sum may be taken from account No. 503 of 1911 entitled "Distribution, Maintenance of Croton and Bronx Systems, Salaries, Maintenance Force," in which there is a sufficient balance, and I enclose a schedule so modified and request that you recommend to the Board of Estimate and Apportionment that they approve the modified schedule, and also that they make the transfer necessary. Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 25, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 21, 1911, the Commissioner of Water Supply, Gas and Electricity requested modification of a schedule for the salaries of regular employees in his Department for 1911, involving a transfer of $161.25. In connection therewith, I report as follows:

In No. 548, Water Supply, Borough of Brooklyn, High Pressure Fire Service, Operation of Stations, Salaries, it is proposed to increase three Enginemen (in charge), from $4.50 a day, for 365 days, to $1,750 per annum, an increase of $107.50 for each incumbent.

The Enginemen in charge of all pumping stations in the Borough of Brooklyn, exclusive of high pressure fire service stations, have recently received a similar increase, by approval of the Board of Estimate and Apportionment. A corresponding increase for the men in charge of the three high pressure fire service stations, therefore, would appear to be reasonable.

It is proposed to provide the necessary funds for these increases by a debit transfer of $161.25 from an unassigned balance in No. 503, Water Supply, Boroughs of Manhattan and The Bronx, Distribution, Maintenance of Croton and Bronx Systems, Salaries, Maintenance Force.

The necessary schedule and cash transfers, in detail, are as follows:

Account No.	Schedule Line.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
548.	Enginemen (in charge), 3 at $4.50 per day (365 days)	$4,927 50	.....	$2,484 00	.....
	Enginemen (in charge), at $1,750	.....	$5,250 00	.....	$2,625 00
503.	Unassigned balance, $500	322 50	.....	161 25	.....
	Differences due to prorating	.....	.....	.....	20 25
		$5,250 00	$5,250 00	$2,645 25	$2,645 25

The attached resolution, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Water Supply, Gas and Electricity for the year 1911, to be effective as of July 1, 1911, as follows:

Department of Water Supply, Gas and Electricity.

Water Supply, Boroughs of Manhattan and The Bronx, Distribution, Maintenance of Croton and Bronx Systems—

503. Salaries, Maintenance Force:	
Assistant Engineer	$3,000 00
Inspector	1,800 00
Inspector	1,350 00
Accrued balance of transfer to No. 473	250 00
Unassigned balance	177 50
	$6,577 50

Water Supply, Borough of Brooklyn, High Pressure Fire Service, Operation of Stations—

548. Salaries:	
Enginemen (in charge), 3 at $1,750	$5,250 00
Telephone Operators, 7 at $900	6,300 00
	$11,550 00

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the Department of Water Supply, Gas and Electricity for the year 1911, as follows:

From

Water Supply, Boroughs of Manhattan and The Bronx, Distribution, Maintenance of Croton and Bronx Systems—

503. Salaries, Maintenance Force $161,25

To

Water Supply, Borough of Brooklyn, High Pressure Fire Service, Operation of Stations—

548. Salaries $161 25

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller relative to, modification of salary schedules Nos. 457, 458 and 459, supporting the appropriation made in the Budget for the year 1911 for said Department, providing for the increase in salary of a Stenographer and Typewriter from $1,200 to $1,350 per annum, the substitution of a Clerk at $1,200 per annum for one at $1,500 per annum and for the elimination of a Transitman at $1,800 per annum, and the addition of an Assistant Engineer at the same rate, involving the transfer of $75 but no additional appropriation. The modification of schedule No. 457 to be effective as of July 1, No. 458 as of June 11, and No. 459 as of August 1, 1911:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, July 19, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller:*

Dear Sir—I desire to promote to the vacancy existing in this Department in the position of Stenographer and Typewriter at $1,350 one, who, in addition to the ordinary duties of a stenographer acts practically as Secretary to the Deputy Chief Engineer, and who, on account of both the quality and quantity of the work, is entitled to a higher rate of compensation than she is now receiving, namely, $1,200.

In order that I may make this promotion I respectfully request that you recommend to the Board of Estimate and Apportionment the adoption of the enclosed modified schedule supporting appropriation account for 1911 No. 457, entitled "Water Supply, General Administration, Office of Chief Engineer, Salaries, Maintenance and Construction Force"; also that they transfer the sum of $75 from the appropriation of 1911, No. 503, entitled "Distribution, Maintenance of Croton and Bronx Systems, Salaries, Maintenance Force," in which there is a schedule line balance of $750.

Yours truly, HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 25, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 19 and 21, 1911, the Commissioner of Water Supply, Gas and Electricity requesting modification of three budgetary part allowance salary schedules in his Department for the year 1911, involving a transfer of $75. In connection therewith, I report as follows:

In No. 457, Salaries, Maintenance and Construction Force, Office of Chief Engineer, it is proposed to increase Miss Lillian C. Hannan, a Stenographer and Typewriter, from $1,200 to $1,350, and add $75 to the budgetary part allowance total, to provide for the increased compensation for six months.

Miss Hannan was appointed Stenographer and Typewriter at $1,050, in the Board of Water Supply, on May 27, 1907; on October 1, 1909, she was increased to $1,200; On March 1, 1910, she was transferred to the Department of Water Supply, Gas and Electricity at the same salary.

The Commissioner states that in addition to her duties as Stenographer, Miss Hannan acts as Secretary to the Deputy Chief Engineer of the Department.

In No. 458, Salaries, Maintenance and Construction Force, Division of Contracts and Statistics, it is proposed to replace a Clerk at $1,500 by a Clerk at $1,200; the change to be effective as of June 11, 1911, on which date the new Clerk was appointed.

In No. 459, Salaries, Maintenance and Construction Force, Division of Pitometer Investigation, it is proposed to drop a Transitman at $1,800, and add an Assistant Engineer at $1,800.

The schedule transfers in detail are as follows:

Account No.	Line Items.	Schedule Transfers. Decrease.	Increase.
457.	Stenographer and Typewriter, 1 at $1,200	$1,200 00	.....
	Stenographer and Typewriter, at $1,350	.....	$1,350 00
458.	Clerk, 1 at $1,500	1,500 00	.....
	Clerk, at $1,200	.....	1,200 00
459.	Assistant Engineer, 1 at $1,800	.....	1,800 00
	Transitman, 1 at $1,800	1,800 00	.....
		$4,500 00	$4,350 00

In his communication of July 19, 1911, the Commissioner proposes to provide for the credit transfer of $75 to No. 457 by transfer from No. 503, Salaries, Maintenance Force, Distribution, Maintenance of Croton and Bronx System. As the decrease in No. 458 will release the $75, the Commissioner's representative has since requested that the transfer be made from the account instead of No. 503.

The attached resolutions, if adopted, will grant the modified request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Water Supply, Gas and Electricity, for the year 1911, No. 457, to be effective as of July 1, 1911; No. 458 as of June 11, 1911, and No. 459 as of August 1, 1911, as follows:

Department of Water Supply, Gas and Electricity.

Water Supply, General Administration, Office of Chief Engineer—

457. Salaries, Maintenance and Construction Force:

Chief Engineer	1 at	$10,000 00
Consulting Engineer	1 at	4,000 00
Deputy Chief Engineer	1 at	7,500 00
Assistant Engineer	1 at	2,100 00
Assistant Engineer	1 at	1,800 00
Clerk	1 at	1,500 00
Clerk	1 at	1,200 00
Stenographer and Typewriter	1 at	1,350 00
Automobile Engineman	1 at	1,200 00
Clerk	1 at	300 00

Budgetary part allowance, $13,169.44.

Department of Water Supply, Gas and Electricity.

Water Supply, General Administration, Division of Contracts and Statistics—

458. Salaries, Maintenance and Construction Force:

Assistant Engineer	1 at	$3,500 00
Assistant Engineer	1 at	2,100 00
Rodman	1 at	1,200 00
Clerk	1 at	1,800 00
Clerk	1 at	1,200 00
Clerks	2 at	900 00
Clerks	2 at	540 00
Clerk	3 at	300 00
Attendant	1 at	1,300 00
Messenger	1 at	1,050 00
Stenographer and Typewriter	1 at	1,050 00
Typewriting Copyists	2 at	900 00

Budgetary part allowance, $4,383.33

Water Supply, General Administration, Division of Pitometer Investigation—

459. Salaries, Maintenance and Construction Force:

Assistant Engineer	1 at	$2,400 00
Assistant Engineers	2 at	1,800 00
Rodman	1 at	1,200 00
Rodmen	2 at	1,050 00
Draftsman	1 at	1,800 00
Draftsman	1 at	1,500 00
Clerk	1 at	300 00

Budgetary part allowance, $4,300.

Which was adopted by the following vote:

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

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The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the Department of Water Supply, Gas and Electricity for the year 1911, as follows:

From

Water Supply, General Administration, Division of Contracts and Statistics—

458. Salaries, Maintenance and Construction Force..... $75 00

To

Water Supply, General Administration, Office of Chief Engineer—

457. Salaries, Maintenance and Construction Force..... $75 00

Which was adopted by the following vote:

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

—

The Secretary presented the following communications from the Department of Water Supply, Gas and Electricity, requesting, and report of the Comptroller recommending, approval of the schedule, as revised, for employees of said Department, Engineering Bureau, Corporate Stock Force, providing for the addition of two Division Engineers, one at $5,000 and one at $4,500 per annum; two Assistant Engineers at $3,000 each, eight Assistant Engineers, as Designers, at $2,100 each; two Draftsmen at $1,500 each, a Rodman at $1,050, a Stenographer and Typewriter at $1,050 and a Clerk at $300 per annum for preliminary work in connection with the construction of the Jerome Park Filtration Plant. Also eliminating a Clerk at $1,800 per annum, and adding two Clerks at $900, one at $600 and one at $540 per annum, and dropping two Expert File Clerks at $750 each per annum:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, July 1, 1911.

Mr. JOSEPH HAAG, *Secretary, Board of Estimate and Apportionment:*

Dear Sir—A great deal of work will have to be done preliminary to the making of the contracts and performing the work of construction of the filtration system of the Croton water supply, which will require the employment of a number of men in addition to the present force, and I respectfully request that the Board of Estimate and Apportionment adopt a salary schedule for such employees.

The Chief Engineer has stated that it is necessary shortly to employ the following:

1 Division Engineer at	$5,000 00
1 Division Engineer at	4,500 00
2 Assistant Engineers at	3,000 00
8 Assistant Engineers (Designers) at	2,100 00
2 Draftsmen at	1,500 00
1 Rodman at	1,050 00
1 Stenographer at	1,050 00
1 Clerk at	300 00

I respectfully request that such a schedule be adopted, either separately or as an addition to the present Corporate Stock Schedule for this Department.

Yours truly, HENRY S. THOMPSON, Commissioner.

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, City of New York, July 15, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller:*

Dear Sir—It is necessary that the Engineering Bureau have an additional force of four Clerks in the preparation of new contract forms and other duties in connection with construction work. The only vacancy in the Corporate Stock Schedule for Clerks is one at $1,800 per annum, which I do not expect to fill, and which may, therefore, be eliminated from the schedule, and in its place I would like to have two Clerks at $900 each, one at $600 and one at $540.

Will you kindly recommend to the Board of Estimate and Apportionment the adoption of a schedule so modified, and oblige, Yours truly,

HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 25, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 1 and 15, 1911, the Commissioner of Water Supply, Gas and Electricity requested modification of a schedule for the salaries of regular employees of the Corporate Stock Force of the Engineering Bureau in his department for 1911. In connection therewith I report as follows:

It is proposed to add a Division Engineer, at $5,000 per annum; a Division Engineer, at $4,500; two Assistant Engineers, at $3,000; eight Assistant Engineers, as Designers, at $2,100; two Draftsmen, at $1,500; a Rodman, at $1,050; a Stenographer and Typewriter at $1,050, and a Clerk at $300, for preliminary work in connection with the construction of the Jerome Park Filtration Plant, for which work corporate stock to the amount of $8,690,000 has been authorized.

For the needs of the general engineering work of the Department it is proposed to drop a Clerk at $1,800 per annum and add two Clerks, at $900, one at $600 and one at $540.

The net increased annual cost of $1,140 for the four changes is to be offset by the dropping of two Expert File Clerks at $750 each as soon as the two additional Clerks at $900 have became familiar with filing work.

The necessary schedule transfers in detail are as follows:

Line Item.	Schedule Transfers. Decrease.	Increase.
Division Engineer, 1 at $5,000	.....	$5,000 00
Division Engineer, 1 at $4,500	.....	4,500 00
Assistant Engineers, 4 at $3,000	.....	6,000 00
Assistant Engineers, 3 at $2,100	.....	16,800 00
Draftsmen, 12 at $1,500	.....	3,000 00
Rodmen, 15 at $1,050	.....	1,050 00
Stenographer and Typewriter, 1 at $1,050	.....	1,050 00
Clerk, 1 at $1,800	$1,800 00	.....
Clerks, 2 at $900	.....	1,800 00
Clerk, 1 at $600	.....	600 00
Clerk, 1 at $540	.....	540 00
Clerks, 3 at $300	.....	300 00
	$1,800 00	$40,640 00

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

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for employees of the Department of Water Supply, Gas and Electricity paid from other than budgetary accounts for the year 1911, to be effective as of July 21, 1911, as follows:

Department of Water Supply, Gas and Electricity.

Engineering Bureau—

Salaries, Regular Employees, Corporate Stock Force:

Consulting Engineer, 1 at	$5,000 00
Division Engineers, 2 at	5,000 00
Division Engineers, 2 at	4,500 00
Assistant Engineers, 2 at	4,800 00
Assistant Engineer, 1 at	3,500 00
Assistant Engineer, 1 at	3,250 00
Assistant Engineers, 6 at	3,000 00
Assistant Engineers, 2 at	2,800 00
Assistant Engineer, 1 at	2,700 00

Assistant Engineers, 2 at	2,550 00
Assistant Engineer, 1 at	2,500 00
Assistant Engineers, 3 at	2,400 00
Assistant Engineer, 1 at	2,250 00
Assistant Engineers, 11 at	2,100 00
Assistant Engineer, 1 at	2,000 00
Assistant Engineers, 7 at	1,800 00
Assistant Engineer, 1 at	1,500 00
Mechanical Engineer, 1 at	4,800 00
Mechanical Engineer, 1 at	4,000 00
Mechanical Engineer, 1 at	2,400 00
Mechanical Engineer, 1 at	1,800 00
Transitmen, 12 at	1,800 00
Transitmen, 6 at	1,650 00
Transitmen, 4 at	1,500 00
Transitmen, 2 at	1,350 00
Transitman, 1 at	1,050 00
Computers, 2 at	1,800 00
Draftsman, 1 at	2,250 00
Draftsman, 1 at	2,100 00
Draftsmen, 3 at	1,800 00
Draftsmen, 4 at	1,650 00
Draftsmen, 14 at	1,500 00
Draftsmen, 3 at	1,350 00
Draftsmen, 19 at	900 00
Levelers, 4 at	1,500 00
Levelers, 4 at	1,350 00
Levelers, 2 at	1,200 00
Rodmen, 10 at	1,200 00
Rodmen, 16 at	1,050 00
Rodman, 1 at	1,000 00
Axemen, 14 at	900 00
Axemen, 5 at	840 00
Stenographer and Typewriter, 1 at	1,350 00
Stenographers and Typewriters, 2 at	1,200 00
Stenographers and Typewriters, 2 at	1,050 00
Stenographers and Typewriters, 2 at	900 00
Auditor of Accounts, 1 at	2,800 00
Clerk, 1 at	2,700 00
Clerk, 1 at	1,500 00
Clerks, 2 at	1,350 00
Clerk, 1 at	1,200 00
Clerks, 4 at	900 00
Clerks, 2 at	600 00
Clerk, 1 at	540 00
Clerks, 4 at	300 00
Expert File Clerks, 2 at	750 00
Purchasing Agent, 1 at	2,000 00
Keeper, 1 at	1,500 00
General Inspector, 1 at	3,000 00
Inspectors, 28 at	1,800 00
Inspectors, 4 at	1,500 00
Inspectors, 2 at	1,350 00

Which was adopted by the following vote:

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

The Secretary presented a report of the Corporate Stock Budget Committee recommending that no action be taken on the requests of the President of the Borough of The Bronx for issues of corporate stock for the following purposes:

$25,000 for the preparation of plans for a new Municipal Building in The Bronx;

$8,000 for the reconstruction of sewers in Westchester avenue, 3d and Brook avenues, The Bronx;

$500,000 for a viaduct to connect the Central Bridge with the southerly end of the Concourse, The Bronx.

Which was ordered filed and the Secretary directed to transmit a copy thereof to the President of the Borough of The Bronx.

(On July 17, 1911, the above matters were referred back to the Corporate Stock Budget Committee.)

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of the Comptroller recommending, the issue of $1,021.92 special revenue bonds (subdivision 8, section 188 of the Charter), to provide for the increase in salary of the Secretary of the Armory Board from June 27 to December 31, 1911, also recommending approval of a schedule for the fund:

(On July 27, 1911, the resolution of the Board of Aldermen requesting the above appropriation was referred to the Comptroller.)

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of one thousand and twenty-one dollars and ninety-two cents ($1,021.92), the proceeds whereof to be used by the Armory Board for the purpose of providing funds for the increase in the salary of the Secretary of the Armory Board as authorized by the Board of Estimate and Apportionment June 1, 1911, concurred in by the Board of Aldermen June 13, 1911, and received from his Honor the Mayor June 27, 1911.

Unanimously adopted by the Board of Aldermen July 11, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 25, 1911, without his approval or disproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 29, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 11, 1911, the Board of Aldermen adopted a resolution requesting $1,021.92 in special revenue bonds for the purpose of paying increased compensation for the Secretary of the Armory Board. In connection therewith I report as follows:

The appropriation for the position in the 1911 Budget was $2,500. On June 1, 1911, the Board of Estimate and Apportionment adopted a resolution approving of the establishment of the grade of position of Secretary of the Armory Board, at $4,500 per annum. The grade was fixed by the Board of Aldermen on June 13, and became operative on June 27, 1911. As there are no funds available from which to pay the increase, it is necessary to issue special revenue bonds. It will require $1,021.92 to cover the increase from June 27 to the end of the year.

I recommend the adoption of the attached resolutions granting the request and approving a schedule for the fund. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 11, 1911, requesting an issue of special revenue bonds to the amount of one thousand and twenty-one dollars and ninety-two cents ($1,021.92), the proceeds whereof to be used by the Armory Board for the purpose of providing funds for the increase in the salary of the Secretary of the Armory Board from June 27, 1911, to December 31, 1911, 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 one thousand and twenty-one dollars and ninety-two cents ($1,021.92), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule of funds other than budgetary for the Armory Board, to take effect as of June 27, 1911, as follows:

Armory Board.

General Administration, Salary Increase, Regular Employees, to be paid from special revenue bonds—

Secretary, 1 from $2,500 to $4,500 ..... $1,021 92

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of the Comptroller recommending, the issue of $1,000 special revenue bonds (subdivision 8, section 188 of the Charter), to provide for the salary of a Bail Bond Clerk in the office of the District Attorney of Kings County for the remainder of the year 1911, also recommending approval of a schedule for the fund:

(On July 27, 1911, the resolution of the Board of Aldermen requesting the above appropriation was referred to the Comptroller.)

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of one thousand dollars ($1,000), the proceeds whereof to be used by the District Attorney of Kings County for the purpose of paying salary of Bond Clerk in said office for remainder of the year 1911.

Adopted by the Board of Aldermen July 11, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 25, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 3, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On June 30, 1911, the District Attorney, Kings County, petitioned the Board of Aldermen to request the Board of Estimate and Apportionment to authorize the Comptroller to issue, under subdivision 8, section 188, special revenue bonds to an amount not exceeding $1,000. In connection therewith, I report as follows:

The request is based on an amendment to chapter 772 of the Laws of 1896, which authorizes the District Attorney of Kings County to appoint one Bail Bond Clerk at a compensation not exceeding $2,500 per annum. The act became effective June 23, 1911. The District Attorney states that the $1,000 is necessary to pay the salary of the Bail Bond Clerk for the remainder of the year 1911, whose compensation he has fixed at $2,000 per annum.

On July 11, 1911, the Board of Aldermen passed a resolution requesting this Board to authorize the Comptroller to issue, under subdivision 8 of section 188, special revenue bonds to an amount not exceeding $1,000, for the purpose aforesaid.

The attached resolutions, if adopted, will grant the request and set up a schedule for the revenue bond appropriation.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 11, 1911, requesting an issue of special revenue bonds in the sum of one thousand dollars ($1,000), to pay the salary of a Bail Bond Clerk in the office of the District Attorney of Kings County for the remainder of the year 1911, 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 one thousand dollars ($1,000), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of a schedule of salaries, as revised, for a special revenue bond issue to pay the salary of a Bail Bond Clerk in the office of the District Attorney, Kings County, for the year 1911, as follows:

Bail Bond Clerk ..... 1 at $1,000 00

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Department of Parks, Borough of The Bronx, requesting, and report of the Comptroller recommending, approval, pursuant to resolution adopted June 3, 1910, of the plans, specifications and estimate of cost ($450) for sand blasting the sides and intrados of footbridge over the Bronx River at the falls near the Lorillard Mansion, in Bronx Park, under the jurisdiction of said Department:

Department of Parks, Borough of The Bronx, Office of Chief Engineer, Zbrowski Mansion, Claremont Park, July 18, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller,* 280 Broadway, New York City:

Dear Sir—Pursuant to the resolution adopted by the Board of Estimate and Apportionment June 3, 1910, I submit herewith, by order of the Commissioner of Parks for the Borough of The Bronx, plans and specifications for the following contract, the estimated cost of which is $450, for sand blasting the sides and intrados of footbridge over the Bronx River at the falls near the Lorillard Mansion, in Bronx Park, in The City of New York. Yours truly,

MARTIN SCHENCK, Chief Engineer of Parks, Borough of The Bronx.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 29, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 18, 1911, the Commissioner of Parks, Borough of The Bronx, requested approval of plans, specifications and estimated cost, in the sum of $450, for sand blasting the sides and intrados of footbridge over the Bronx River, at the falls near the Lorillard Mansion in Bronx Park.

A contract was let for the construction of this footbridge on April 1, 1910.

The contractor failed to complete the work satisfactorily, and on November 14, 1910, the Commissioner declared the contract abandoned.

The finishing of the sides of the bridge by washing down or by some other satisfactory method was provided for in the contract, but the work was not done.

It is now proposed to finish the sides of the bridge by sand blasting and charge the cost to the defaulting contractor, a sufficient sum having been withheld from his payments for the purpose.

It is also proposed to include in the contract the sand blasting of the intrados of the arch, work which was not provided for in the original contract, but which is considered necessary to give the bridge a finished appearance.

The estimate of cost is reasonable. A little more than one-half of the amount will be paid by the City, chargeable to an authorization of corporate stock approved by this Board on May 4, 1906, and entitled C-DP-319, Improvement and Construction of Parks, Parkways, Playgrounds, Boulevards and Driveways, Borough of The Bronx, Construction of a Footbridge over Falls in Bronx Park.

There is an ample balance in the appropriation for the work.

The plans and specifications are satisfactory.

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

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the plans, specifications and estimate of cost, four hundred and fifty dollars ($450), for sand blasting the sides and intrados of footbridge over the Bronx River, at the falls near the Lorillard Mansion in Bronx Park, in The City of New York, under the jurisdiction of the Department of Parks, Borough of The Bronx.

Which was adopted by the following vote:

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

The Secretary presented a report from the Comptroller returning communication from the Commissioner of Bridges relative to the maintenance of the bridge at the foot of Ocean avenue, Sheepshead Bay, Brooklyn, the jurisdiction over which has been transferred from the office of the President of the Borough to the Department of Bridges, for the reason that no further action is required on the part of the Board of Estimate and Apportionment, as the Acting Chief Engineer of the Department of Bridges has stated that no further funds are needed at present for the maintenance of the bridge.

Which was ordered filed.

(On May 8, 1911, the above communication was referred to the Comptroller.)

The Secretary presented the following report of the Comptroller recommending approval, pursuant to resolution adopted June 3, 1910, of the estimate of cost ($2,000) for an automobile for the use of the Electrical Engineer of the Fire Department in connection with the supervision of the installation of the new Fire Alarm Telegraph System:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 28, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On June 24, 1911, the Fire Commissioner requested authority to purchase two automobiles, to cost $4,000 each, to be charged against C-FD-10A, Purchase of Apparatus, and C-FD-3B, Installation of New Fire Alarm Telegraph System. At the meeting held July 27, 1911, the Board adopted a report of the Comptroller recommending that the Fire Commissioner be notified that the proposed automobile for the Chief of the Department should not be charged to corporate stock, and that in the opinion of this Board the expenditure for an automobile for the Electrical Engineer could be charged to corporate stock, but should not cost more than $2,000.

The Fire Commissioner desired to purchase the automobiles without public letting. Authority to do this must, of course, be obtained from the Board of Aldermen, but the resolution adopted January 14, 1910, and amended June 3, 1910, makes it necessary for the Board of Estimate and Apportionment to give its approval in order to release the amount necessary.

Attached hereto is a resolution which, if adopted, will give such approval and release. Yours truly. WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of January 14, 1910, as amended June 3, 1910, hereby approves of the estimate of cost in the sum of two thousand dollars ($2,000) for an automobile for the use of the Electrical Engineer of the Fire Department in connection with the supervision of the installation of the new Fire Alarm Telegraph System.

Which was adopted by the following vote:

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

The following transfers of appropriations were made upon the recommendation of the Comptroller:

$16,650 within the appropriation made to the Fire Department for the year 1911.

Fire Department of The City of New York, Office of the Commissioner, July 27, 1911.

Hon. WILLIAM J. GAYNOR, *Mayor, and Chairman, Board of Estimate and Apportionment:*

Sir—Bids for furnishing forage to this Department were received at public letting July 26, 1911, and owing to the prevailing high prices for oats and hay the funds available are insufficient. I have the honor, therefore, to request that the Board of Estimate and Apportionment authorize the following transfers from the Budget appropriation for the purchase of horses, for which the amounts are not required, to the appropriation for the purchase of forage:

Borough of Manhattan.

From Account 992, Purchase of Horses, to Account 993, Forage, Shoeing and Boarding Horses $7,500 00

Borough of The Bronx.

From Account 992, Purchase of Horses, to Account 993, Forage Shoeing and Boarding Horses..... $2,500 00

Borough of Richmond.

From Account 1005, Purchase of Horses, to Account 1006, Forage, Shoeing and Boarding Horses..... $650 00

Borough of Brooklyn.

From Account 1029, Purchase of Horses, to Account 1030, Forage, Shoeing and Boarding Horses..... $6,000 00

It is necessary that the above transfers be allowed before contracts can be awarded. Respectfully, JOSEPH JOHNSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 3, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 27, 1911, the Commissioner of the Fire Department requested a transfer of $16,650 within the appropriations to the department for the year 1911. In connection therewith I report as follows:

The appropriations for Accounts 979, 992, 1005 and 1029, from which transfers are requested, were made for the purchase of horses. It has not been found necessary to use any of this money for the original purpose, so there is an available balance of $29,550. A transfer of $16,650 from this will leave a balance of $12,900, a sufficient amount to meet emergencies for the next five months.

Appropriations for Accounts 980, 993, 1006 and 1030, to which transfers are requested, were made for forage, shoeing and boarding horses. The total of the net available balances in these accounts is $73,897.24. The total liability of the contracts for forage, about to be awarded, is $83,875.70 and as they are for five per cent. more or less, it is safe to estimate the contingent liability at $88,069.48. When the transfers are effected there will be a total available balance in these accounts of $90,397.24, leaving an unencumbered balance $2,327.76 after the contracts are awarded.

This sum will be necessary to meet claims for boarding horses and for horseshoeing where it is found necessary outside of the regular department method of using the portable blacksmith's shop. The attached resolution will grant the request of the Commissioner.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 237 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the transfer of funds appropriated to the Fire Department for the year 1911, as follows:

From

Administration, Borough of Manhattan, Fire Alarm Telegraph—
979. Purchase of horses..... $7,500 00
Administration, Borough of The Bronx, Fire Alarm Telegraph—
992. Purchases of horses..... 2,500 00
Administration, Borough of Richmond, Fire Alarm Telegraph—
1005. Purchase of horses..... 650 00
Administration, Borough of Brooklyn—
1029. Purchase of horses..... 6,000 00

To

Administration, Borough of Manhattan, Fire Alarm Telegraph—
980. Forage, shoeing and boarding horses..... $7,500 00
Administration, Borough of The Bronx, Fire Alarm Telegraph—
993. Forage, shoeing and boarding horses..... 2,500 00
Administration, Borough of Richmond, Fire Alarm Telegraph—
1006. Forage, shoeing and boarding horses..... 650 00
Administration, Borough of Brooklyn—
1030. Forage, shoeing and boarding horses..... 6,000 00

Which was adopted by the following vote:

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

$800 within the appropriation made to the Department of Docks and Ferries for the year 1911.

Department of Docks and Ferries, City of New York, Pier "A," North River, New York, July 25, 1911.

Hon. WILLIAM J. GAYNOR, *Mayor, and Chairman of the Board of Estimate and Apportionment:*

Sir—The items of General Supplies, Code No. 147, and Contingencies, Code No. 150, in General Administration, in this Department's 1911 Budget, are almost exhausted.

In order to meet the estimated expenditures in these two items for the remainder of the year it will be necessary to increase the amounts allowed therein and this Department to provide these increases desires to transfer funds from Item No. 148, Telephone Service. It is estimated that the expenditures for Telephone Service for General Administration for the entire year will be about $7,400.

I request that the sum of $400 be transferred from Item No. 148 to Item No. 147 and that a similar transfer of $400 be made from Item No. 148 to Item No. 150.

If these two transfers are approved, there will still be a balance of about $800 in Item No. 148 over the estimated expenses chargeable to Telephone Service for the year.

Yours respectfully. CALVIN TOMKINS, Commissioner of Docks.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 3, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Commissioner of Docks requested a transfer of $800 within the appropriations to the Department of Docks and Ferries for the year 1911. In connection therewith, I report as follows:

The proposed transfer is from General Administration, No. 148, Telephone Service, to General Administration, No. 147, General Supplies, and General Administration, No. 150, Contingencies, $400 each. It is estimated by the Auditor of the Department that on December 31, 1911, the unencumbered balance in No. 148 will be $1,300.

The Commissioner states that the transfer is necessary to provide means for the estimated expenditures for the balance of the year in Nos. 147 and 150, as their budget appropriation is now almost exhausted.

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

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves transfer of funds appropriated to the Department of Docks and Ferries for the year 1911, as follows:

From

General Administration—
148. Telephone Service $800 00

To

General Administration—
147. General Supplies $400 00
150. Contingencies 400 00

Which was adopted by the following vote:

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

$400 within the appropriation made to the President of the Borough of Richmond for the year 1911.

The City of New York, Office of the President of the Borough of Richmond, Borough Hall, New Brighton, New York City, July 22, 1911.

Honorable Board of Estimate and Apportionment, 277 Broadway, New York:

Gentlemen—I would request transfer of appropriation of this office as follows:

Bureau of Buildings, Inspection and Field Force—

From

1911-1945. General Supplies $400 00

To

1911-1946. Repairs and Replacements by Contract or Open Order..... $400 00

This transfer is desired in order that funds may be available for the purchase of wagons, harness and equipment recently destroyed by fire.

Yours respectfully, GEORGE CROMWELL, President of the Borough.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—In connection with a communication from the President of the Borough of Richmond, addressed to your Board and dated July 22, 1911, I report as follows:

The President requested your approval of a transfer of $400 within appropriations other than for salaries in the Bureau of Buildings under his jurisdiction. It

is the purpose of the President to replace wagons, harness and equipment recently destroyed by fire; the transfer being requested in order to provide funds in the proper account to which such purchases may be charged. It appears that there will be an excess in the account from which the funds are to be taken, and as the transfer is needed, I recommend the approval of the request, in accordance with the resolution attached hereto.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 237 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves a transfer of funds appropriated to the office of the President of the Borough of Richmond for the year 1911, as follows:

From

Bureau of Buildings, Inspection and Field Force—
1945. General Supplies $400 00

To

1946. Repairs and replacements by contract or open order..... $400 00

Which was adopted by the following vote:

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

—

$1,700 within the appropriation made to the Department of Street Cleaning for the year 1911.

New York, July 25, 1911.

Hon. WILLIAM J. GAYNOR, *Mayor, Chairman, Board of Estimate and Apportionment:*

Sir—I have to request that a further revision of schedules and transfer amounting to the sum of $1,700 be made within the appropriation allowed the Department of Street Cleaning for the year 1911, as follows:

From

874. General Administration—Telephone Service..... $700 00
928. Administration—Borough of Brooklyn—Telephone Service..... 1,000 00

$1,700 00

To

903. Administration—Borough of Manhattan—Telephone Service..... $1,700 00

The reason for the above request is to allow the transfer of sufficent funds from the Telephone Accounts of General Administration and Brooklyn to Manhattan, as it becomes necessary, in my estimation, to abolish all direct wires from the different divisions of this Department, and have all calls come through a central telephone switchboard placed in the main offices, allowing direct supervision.

Respectfully, WM. H. EDWARDS, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Commissioner of Street Cleaning requested a transfer of $1,700 within the appropriation made to the Department for the year 1911. In connection therewith I report, as follows:

It is proposed to transfer the amount from the following accounts:

From

General Administration—
874. Telephone service $700 00
Administration, Borough of Brooklyn—
928. Telephone service 1,000 00

To

Administration, Borough of Manhattan—
903. Telephone service $1,700 00

The Commissioner states that the request is to enable him to abolish all direct wires from the different divisions of the Department, and have all calls come through a central telephone switchboard placed in the main office, allowing direct supervision.

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

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 237 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of the transfer of funds appropriated to the Department of Street Cleaning for the year 1911, as follows:

Department of Street Cleaning.

From

General Administration—
874. Telephohne service $700 00
Administration, Borough of Brooklyn—
928. Telephone service $1,000 00

To

Administration, Borough of Manhattan—
903. Telephone service $1,700 00

Which was adopted by the following vote:

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

—

The Secretary presented the following report of the Comptroller relative to the adoption of four resolutions relating to salary schedules for employees in the office of the President of Manhattan paid from corporate stock funds. Three resolutions provide for additional employees required on construction work and the fourth resolution approves of the revised schedule for repaving streets by increasing the number of Inspectors of Regulating, Grading and Paving at $1,200 each per annum, from 88 to 110:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 3, 1911.

Gentlemen—On July , 1911, the President of the Borough of Manhattan requested adoption of four salary schedules for employees paid wholly from corporate stock funds. In connection therewith, I report as follows:

The schedules comprise additional employees required on construction work, corporate stock for which has been approved. The schedule for repairing streets is to be modified by increasing the number of Inspectors of Regulating, Grading and Paving at $1,200 per annum each, from 88 to 110.

The attached four resolutions, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedules of salaries paid from other than budgetary funds, in the office of the President of the Borough of Manhattan, to provide for the construction and equipment of an asphalt repair plant in the Bureau of Highways for the year 1911, as follows:

President of the Borough of Manhattan.

Construction and Equipment of an Asphalt Repair Plant, Bureau of Highways, Corporate Stock Fund—
Salaries:

Draftsman	$1,800 00
Draftsman	1,650 00
Inspector	1,800 00

Which was adopted by the following vote:

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

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The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedule of salaries paid from other than budgetary funds in the office of the President of the Borough of Manhattan, to provide for the completion of the Borough Map, Topographical Bureau, Borough of Manhattan, for the year 1911, as follows:

Topographical Bureau, Corporate Stock Fund, Completion of Borough Map—
Salaries:

Assistant Engineer	$2,400 00
Assistant Engineer	2,100 00
Draftsmen, 2 at	1,800 00
Draftsmen, 3 at	1,200 00
Rodmen, 4 at	1,800 00
Rodmen, 4 at	1,050 00
Axemen, 8 at	900 00
Transitmen, 4 at	1,500 00
Sounder	900 00

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule of salaries paid from other than budgetary funds, as revised, for repaving of streets in the office of the President of the Borough of Manhattan for the year 1911, as follows:

President, Borough of Manhattan.

Bureau of Highways, Repaving Streets, Borough of Manhattan, Corporate Stock Fund—
Salaries:

Chief Engineer	1 at	$6,000 00
Assistant Engineer	1 at	3,000 00
Assistant Engineers	2 at	2,400 00
Assistant Engineers	2 at	2,100 00
Transitmen	3 at	1,500 00
Transitman	1 at	1,350 00
General Inspector	1 at	1,800 00
Chemist	1 at	2,400 00
Topographical Draftsmen	2 at	1,500 00
Levelers	2 at	1,500 00
Leveler	1 at	1,200 00
Rodman	1 at	1,200 00
Rodman	1 at	1,050 00
Axeman	1 at	900 00
Inspector of Complaints	1 at	1,200 00
Inspector of Masonry	1 at	1,200 00
Inspector, Regulating, Grading and Paving	1 at	1,500 00
Inspectors, Regulating, Grading and Paving	110 at	1,200 00
Inspector	1 at	750 00

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the schedule of salaries for the corporate stock fund for the Reconstruction of Sewers, Borough of Manhattan, preparation of survey of system and plans for the year 1911, as follows:

President of the Borough of Manhattan.

For the Reconstruction of Sewers, Corporate Stock Fund—
Salaries:

Consulting Engineer	$6,000 00
Assistant Engineer	2,550 00
Assistant Engineer	1,800 00
Draftsmen, 2 at	1,650 00
Draftsmen, 2 at	1,500 00
Draftsmen, 2 at	1,800 00
Transitman	1,500 00
Rodmen, 3 at	1,200 00
Rodmen, 3 at	1,050 00
Axemen, 6 at	900 00
Foreman	1,200 00
Laborers, 4 at	900 00
Telephone Operator	900 00

Which was adopted by the following vote:

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

—

The Secretary presented the following communication from the Comptroller requesting the modification of salary schedules, supporting the appropriation made in the Budget for the year 1911, for the Department of Finance, providing for the substitution of an Auditor at $4,000 per annum for one at $5,000 per annum:

City of New York, Department of Finance, Comptroller's Office, July 29, 1911.

The Honorable Board of Estimate and Apportionment:

Gentlemen—Request is hereby made that the Budget schedule lines supporting the salary appropriation as made to the Auditing Bureau, Department of Finance, for the year 1911, be amended in order that the position of Auditor of Accounts at $5,000 per annum may be stricken from the said schedule and provision made for an additional Auditor at $4,000 per annum, the difference, $1,000, to be added to the balance unassigned. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the modifications of the schedule of salaries supporting the appropriation made to the Department of Finance for the year 1911, entitled and as follows:

Auditing Bureau—
31. Salaries:

Auditor of Accounts	$6,000 00
Auditor of Accounts, 3 at $4,000	12,000 00
Auditor of Accounts, 3 at $3,500	10,500 00
Auditor of Accounts, 12 at $3,000	36,000 00
Deputy Auditor of Accounts, 2 at $2,100	4,200 00
Expert Accountant	4,000 00
Expert Accountant, 2 at $3,500	7,000 00
Expert Accountant, 3 at $2,500	7,500 00
Expert Accountant, 8 at $2,100	16,800 00
Chief Accountant and Bookkeeper	6,000 00
Accountant	4,000 00
Accountant, 4 at $2,100	8,400 00
Accountant, 4 at $1,800	7,200 00

Accountant	1,650 00
Clerk	4,500 00
Clerk, 2 at $2,400	4,800 00
Clerk, 5 at $2,100	10,500 00
Clerk, 4 at $1,950	7,800 00
Clerk, 5 at $1,800	9,000 00
Clerk, 8 at $1,650	13,200 00
Clerk, 20 at $1,500	30,000 00
Clerk, 10 at $1,350	13,500 00
Clerk, 11 at $1,200	13,200 00
Clerk, 13 at $1,050	13,650 00
Clerk, 3 at $900	2,700 00
Clerk, 3 at $750	2,250 00
Clerk, 4 at $600	2,400 00
Clerk, 5 at $540	2,700 00
Clerk, 3 at $300	900 00
Clerk with special knowledge as Cataloguer	750 00
Disbursing Clerk, 2 at $2,250	4,500 00
Disbursing Clerk	1,650 00
Statistician	1,650 00
Searcher, 4 at $1,050	4,200 00
Bookkeeper	3,500 00
Bookkeeper	3,000 00
Bookkeeper, 2 at $2,400	4,800 00
Bookkeeper	2,250 00
Bookkeeper	2,100 00
Bookkeeper, 2 at $1,950	3,900 00
Bookkeeper	1,800 00
Bookkeeper, 3 at $1,650	4,950 00
Bookkeeper	1,500 00
Bookkeeper, 7 at $1,350	9,450 00
Bookkeeper, 19 at $1,200	22,800 00
Security Deposit Clerk	1,800 00
Cashier, 3 at $2,100	6,300 00
Cashier	1,650 00
Cashier	1,350 00
Financial Clerk	1,950 00
Financial Clerk	1,650 00
Financial Clerk, 2 at $1,350	2,700 00
Financial Clerk, 2 at $1,200	2,400 00
Financial Clerk, 2 at $1,050	2,100 00
Stenographer and Typewriter	1,650 00
Stenographer and Typewriter	1,500 00
Stenographer and Typewriter, 5 at $1,200	6,000 00
Stenographer and Typewriter	1,050 00
Stenographer and Typewriter	900 00
Stenographer and Typewriter	750 00
Stenographer and Book Typewriter	900 00
Typewriting Copyist	750 00
Typewriting Accountant, 2 at $1,200	2,400 00
Bank Messenger, 3 at $1,200	3,600 00
Messenger	1,200 00
Examiner	5,000 00
Examiner	4,000 00
Examiner	2,550 00
Examiner, 4 at $2,100	8,400 00
Examiner, 3 at $1,950	5,850 00
Examiner, 2 at $1,800	3,600 00
Examiner, 5 at $1,650	8,250 00
Examiner, 3 at $1,500	4,500 00
Examiner	1,350 00
Examiner	1,200 00
Examiner, 2 at $1,050	2,100 00
Examining Inspector, 12 at $1,500	18,000 00
Examining Inspector	1,350 00
Inspector of Repairs and Supplies	2,550 00
Inspector of Repairs and Supplies, 3 at $1,800	5,400 00
Inspector of Repairs and Supplies	1,650 00
Inspector of Repairs and Supplies, 4 at $1,500	6,000 00
Inspector of Repairs and Supplies, 10 at $1,200	12,000 00
Inspector of Regulating, Grading and Paving, 2 at $1,500	3,000 00
Inspector of Regulating, Grading and Paving	1,350 00
Inspector of Regulating, Grading and Paving	1,200 00
Inspector of Sewer Construction	1,350 00
Inspector of Sewer Construction	1,200 00
Inspector of Sewers	1,800 00
Veterinarian	1,800 00
Assistant Engineer	3,600 00
Assistant Engineer	3,000 00
Assistant Engineer	2,400 00
Assistant Engineer, 5 at $2,100	10,500 00
Assistant Engineer	1,800 00
Transitman and Computer	1,500 00
Examiner of Accounts of Institutions	3,000 00
Examiner of Accounts of Institutions	1,650 00
Examiner of Accounts of Institutions, 4 at $1,500	6,000 00
Balance unassigned	1,050 00
	$517,700 00

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Acting President of the Borough of Brooklyn, submitting for adoption resolution requesting the Corporation Counsel to institute proceedings for the acquisition of the necessary land at the southeast corner of Joralemon and Court streets, Brooklyn, for the new Municipal Building, for the construction of which the Board authorized an issue of $500,000 corporate stock on July 27, 1911:

The City of New York, Office of the President of the Borough of Brooklyn, Brooklyn, August 1, 1911.

The Honorable, the Board of Estimate and Apportionment:

Gentlemen—Your Board authorized on Thursday, July 27, an appropriation of $500,000 in corporate stock for the construction of a new Municipal Building in this Borough. This resolution was concurred in by the Board of Aldermen on the 31st ult. I, therefore, submit for adoption resolutions requesting the Corporation Counsel to proceed with the proceedings for the acquisition of the necessary lands to be purchased from the above appropriation, at the southeast corner of Joralemon and Court streets, in this Borough, and respectfully request your honorable Board to adopt the attached resolutions so that this work may proceed at once.

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

The following was offered:

Whereas, Several branches of the City government in the Borough of Brooklyn, namely, the Police Department, the Tenement House Department, the Finance Department, the Public Charities Department, the Bureau of Street Openings, the Bureau of Sewers and several other departments now occupy offices at 15 different locations in private buildings, leased by the City at an annual rental approximately $70,000.

Whereas, As a measure of economy and for the convenience of the public all such departments, bureaus, etc., should be housed in one municipal building, the necessity for the construction of which was recognized by the Board of Estimate and Apportionment by resolution adopted July 22, 1903;

Whereas, The present Municipal Building on Joralemon street in said Borough of Brooklyn is no longer adequate to the uses of the City, is old and inflammable, and contains public records of great value to the City, which could not be replaced should the building and its contents be destroyed by fire;

Whereas, It is desirable that the City erect a new municipal building partly on the site occupied by the present Municipal Building on Joralemon street, partly on the site immediately adjoining the same on the west, now owned by the City, and partly on the strip of land having a frontage on Court street of 156 feet 9 inches, and a depth along Joralemon street of 24 feet 7 inches, and a depth along the southerly boundary thereof of 26 feet 11 inches, more or less, the assessed valuation of which strip of land is $215,900;

Whereas, The Board of Estimate and Apportionment by resolution adopted on July 27, 1911, authorized the issue of corporate stock to an amount not exceeding $500,000, the proceeds thereof to be used for the erection of a new Municipal Building in the Borough of Brooklyn, which said resolution was concurred in by resolution of the Board of Aldermen, adopted July 31, 1911, and by the formal approval of the same by the Mayor of The City of New York; therefore be it

Resolved, That the President of the Borough of Brooklyn be and he is hereby authorized to construct a new Municipal Building in the Borough of Brooklyn on the site fronting on Joralemon street and extending from Court street to the westerly line of the County Court House; that the funds now or hereafter available under said resolution of the Board of Estimate and Apportionment adopted July 27, 1911, shall be used by him for such purpose, and that additional corporate stock shall be authorized by this Board from time to time, as may be required, upon the requisition of said President of the Borough of Brooklyn for the erection of said building, and for the acquisition of said strip of land by condemnation proceedings or otherwise. The cost of the building to be constructed shall not exceed the sum of $3,500,000.

Resolved, That the Corporation Counsel be and he hereby is authorized and instructed to institute condemnation proceedings or to proceed in accordance with action heretofore taken for the acquisition of the strip of land on Court street described as follows:

Beginning at a point at the intersection of the southeasterly corner of Joralemon street and Court street and running thence easterly 24 feet 7 inches, more or less, to the land of The City of New York; running thence southerly along the land of The City of New York 160 feet 9 inches, more or less, to other land of The City of New York; thence running westerly along the land of The City of New York 26 feet 11 inches, more or less, to Court street; thence running northerly along the easterly side of Court street 156 feet 9 inches, more or less, to the point or place of beginning.

Resolved, That so much of the resolution adopted by the Board of Estimate and Apportionment on December 5, 1905 (page 2985 of minutes), which provides for the acquisition of an additional site on Livingston street, now occupied by the Polytechnic Institute, be and the same hereby is rescinded.

Resolved, That, pursuant to section 1436a of the Greater New York Charter, the acquisiton of said strip of land above described be and the same is hereby approved and authorized, and that the map filed by the President of the Borough of Brooklyn in the public offices prescribed by section 1436 of said Charter be likewise approved.

Nothing in this resolution shall be construed to prevent the Comptroller of The City of New York from entering into contracts for the acquisition of any portion of the above-named premises at private sale, subject to the approval of this Board.

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Acting President of the Borough of Brooklyn, requesting the Board to adopt a resolution granting permission to the President of Brooklyn to allow charitable institutions the use of the Municipal Bathing House at Coney Island without charge:

The City of New York, Office of the President of the Borough of Brooklyn, Brooklyn, August 1, 1911.

The Honorable, the Board of Estimate and Apportionment:

Gentlemen—I respectfully request that your honorable Board adopt the attached resolution granting permission to the President of the Borough of Brooklyn to allow the use of the Municipal Bathing House at Coney Island by charitable institutions.

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

The following resolution was offered:

Resolved, That the President of the Borough of Brooklyn be and he hereby is given permission to allow, without charge, the use of the Municipal Bathing House at Coney Island for bathing purposes to charitable institutions not to exceed two hours in the forenoon once a week.

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Public Service Commission for the First District requesting the Board to consent to the proposed contract with the Metropolitan Contracting Company for the construction of Section 5 of Route 5 of the proposed Lexington Avenue Rapid Transit Railroad, and making requisition for the authorization of $2,419,127.20 corporate stock for the estimated expense of executing said contract, together with a report of the Comptroller, to whom on July 27, 1911, this matter was referred, recommending that action be deferred at the present time:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau street, New York, July 26, 1911.

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 Metropolitan Contracting Company for the construction at the public expense of Section No. 5 of Route No. 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Irving place, Gramercy Park and Lexington avenue from E. 14th street to E. 26th street, in the Borough of Manhattan.

The Public Service Commission for the First District further requests your honorable Board to consent to the said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit, the sum of two million four hundred and nineteen thousand one hundred and twenty-seven and 20-100 dollars ($2,419,127.20); and also to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of the said portion of such railroad.

And the Public Service Commission for the First District does hereby make request for the authorization of bonds for the full amount sufficient to pay the entire estimated expense of executing such contract, to wit, the sum of two million four hundred and nineteen thousand one hundred and twenty-seven and 20-100 dollars ($2,419,127.20).

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 July, 1911.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by WM. R. WILLCOX, Chairman. Attest: TRAVIS H. WHITNEY. [SEAL]

After consideration of the bids on Section 5, Route 5, the following resolution was duly moved and seconded:

Resolved, That this Commission hereby accepts the proposal of Metropolitan Contracting Company, dated October 27, 1910, for the construction of Section 5 of Route 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Irving place, Gramercy Park and Lexington avenue from E. 14th street to E. 26th street in the Borough of Manhattan, the aggregate of the unit

prices in the proposal amounting to two million four hundred and nineteen thousand one hundred and twenty-seven and 20-100 dollars ($2,419,127.20).

Resolved, That the Chairman and the Secretary be and they hereby are authorized on behalf of the Commission to execute a contract in the form attached to the said proposal and to deliver the same if and when consented to by the Board of Estimate and Apportionment and upon compliance by the said Metropolitan Contracting Company with the requirements of the Invitation to Bidders attached to the said proposal.

Resolved, That the Chairman and Secretary be and they hereby are authorized and directed to request the Board of Estimate and Apportionment to consent to the said contract and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit: the sum of two million four hundred and nineteen thousand one hundred and twenty-seven and 20-100 dollars ($2,419,-127.20); and also to request the said Board of Estimate and Apportionment to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Board of Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of the said portion of such railroad; and also to make request for the authorization of bonds for the full amount sufficient to pay the entire estimated expense of executing such contract, to wit, the sum of two million four hundred and nineteen thousand one hundred and twenty-seven and 20-100 dollars ($2,419,127.20).

Resolved, That the Secretary give notice to the said Metropolitan Contracting Company that its proposal has been accepted and the contract awarded to it by this Commission, subject to its being consented to by the Board of Estimate and Apportionment as required by law.

Resolved, That it be referred to Counsel to the Commission to inquire into the sufficiency of the sureties proposed to be given by the said Metropolitan Contracting Company and in case the sureties named in the proposal of the said Metropolitan Contracting Company or any of them are not approved by the Commission, then to inquire into the sufficiency of any other or substitute sureties and in behalf of the Commission to do any such act as may be necessary and incidental to the furnishing of a proper bond.

Ayes—Commissioners Willcox, McCarroll, Maltbie, Eustis, Cram.

Nays—None.

Carried.

State of New York, County of New York, ss.:

I, Travis H. Whitney, Secretary of the Public Service Commission for the First District, do hereby certify that I have compared the above with the original adopted by said Commission on July 26, 1911, and that it is a correct transcript therefrom and of the whole of the original.

In Testimony Whereof, I have hereunto subscribed my hand and affixed the seal of the Commission, this 26th day of July, 1911.

[SEAL] TRAVIS H. WHITNEY, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—At a meeting of the Board of Estimate and Apportionment held July 27, 1911, there was presented a communication dated July 26, 1911, from the Public Service Commission, requesting the Board of Estimate and Apportionment to consent to and approve of the proposed contract between The City of New York and the Metropolitan Contracting Company for the construction at the public expense of Section 5 of Route 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Irving place, Gramercy Park and Lexington avenue, from E. 14th street to E. 26th street, Borough of Manhattan.

The Public Service Commission in the same communication requested the Board of Estimate and Apportionment to prescribe as a limit to the amount of bonds available to meet the requirements of said contract, the sum of $2,419,127.20, and to direct the Comptroller to issue bonds to that amount. This request was referred to me for consideration and report. I report thereon as follows:

At the time this section was planned, the 14th street crosstown rapid transit subway route was not considered. If the 14th street route had been established at that time there is little doubt that the Public Service Commission would have made different plans for Section 5. Since that time the rapid transit situation has been changed very materially, and the plan that was good then might not be applicable now.

The agreement with the Brooklyn Rapid Transit Railroad, concerning the operation of the Lexington avenue and other subway lines, has made it advisable to consider certain changes in the Lexington avenue route in the vicinity of 14th street.

In my opinion these suggested changes should be given the most thorough consideration. It may be that no changes will be necessary, but we should make sure before approving the proposed contract and before authorizing corporate stock for the work.

I recommend that the Board of Estimate and Apportionment defer action on the request of the Public Service Commission until the Board has determined whether or not it would be best to make changes that have been informally proposed. Under the Charter, the Board of Estimate and Apportionment may report on this request at any time within sixty days from the date of the request. If necessary an extension of time could no doubt be arranged between the Board of Estimate and Apportionment and the Public Service Commission.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The report of the Comptroller was approved.

The Secretary presented a communication from the Building Trades Council of New York, the Brooklyn Central Labor Union and the Socialist Party of New York County, requesting a hearing upon the question of incorporating in the new subway contracts a provision for the protection of the workingmen to be employed in construction, operation and maintenance.

Which was referred to the Public Service Commission for the First District.

(On June 29, 1911, a similar communication was presented to the Board and referred to the Public Service Commission for the First District.)

(On July 27, 1911, the above matter was laid over for one week.)

The Secretary presented the following communication from the President of the Borough of Manhattan, requesting that the resolution adopted April 6, 1911, authorizing the issue of $400,000 corporate stock for widening, etc., 42d street, 23d street and 34th street, Manhattan, be amended by authorizing the same to apply to 5th avenue, Lafayette street, 2d avenue and Broadway:

City of New York, Office of the President of the Borough of Manhattan, City Hall, August 1, 1911.

Board of Estimate and Apportionment, 277 Broadway, New York City:

Gentlemen—The resolution adopted by your Board April 6, 1911, which appropriated $400,000 to provide means for widening, regrading, repaving, recurbing and otherwise improving the roadways of 42d street, 23d street and 34th street, also included the stipulation that that appropriation could be made to apply to "the roadways of such other streets in the Borough of Manhattan as may be designated by resolution of" the Board of Estimate. It is now requested that the resolution above mentioned be so amended as to include the widening, regrading, repaving, recurbing, etc., of the roadways of 5th avenue, Lafayette street, 2d avenue and Broadway, under the same conditions included in the resolution above mentioned.

Very respectfully, GEORGE McANENY, President, Borough of Manhattan.

The following resolution was offered:

Resolved, That the following resolution adopted by the Board of Estimate and Apportionment April 6, 1911, and concurred in by the Board of Aldermen April 11, 1911:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves the issue of corporate stock of The City of New York to an amount not exceeding four hundred thousand dollars ($400,000), to provide means for widening, regrading, repaving, recurbing and otherwise improving the roadway of 42d street, 23d street, 34th street and the roadways of such other streets in the Borough of Manhattan as may be designated by resolution of this Board, and for moving and replacement of subway entrances, and for other expenses incidental to such widening; and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and he is hereby authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding four hundred thousand dollars ($400,000), the proceeds whereof to be applied to the purposes aforesaid; provided, however, that no contract shall be made for any such work unless the Borough President submits to the Comptroller, with such contract, evidence showing that the original pavement on such street or avenue was laid at the expense of abutting property owners or by local taxation, or by bond issues paid by the localities before consolidation, unless the Board of Estimate and Apportionment shall otherwise determine upon presentation of the facts and circumstances affecting such street or avenue,"

—be amended to read as follows:

"Resolved, That, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, the Board of Estimate and Apportionment hereby approves the issue of corporate stock of The City of New York to an amount not exceeding four hundred thousand dollars ($400,000), to provide means for widening, regrading, repaving, recurbing and otherwise improving the roadway of 42d street, 23d street, 34th street, *5th avenue, Lafayette street, 2d avenue and Broadway,* and the roadways of such other streets in the Borough of Manhattan as may be designated by resolution of this Board, and for moving and replacement of subway entrances, and for other expenses incidental to such widening; and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and he is hereby authorized to issue corporate stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amountt not exceeding four hundred thousand dollars ($400,000), the proceeds whereof to be applied to the purposes aforesaid; provided, however, that no contract shall be made for any such work unless the Borough President submits to the Comptroller, with such contract, evidence showing that the original pavement on such street or avenue was laid at the expense of abutting property owners or by local taxation, or by bond issues paid by the localities before consolidation, unless the Board of Estimate and Apportionment shall otherwise determine upon presentation of the facts and circumstances affecting such street or avenue.

Which was adopted by the following vote:

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

The Secretary presented the following report of the Comptroller, relative to the modification of Salary Schedule No. 1689, supporting the appropriation made in the Budget for the year 1911, for the office of the President of the Borough of Manhattan, providing for the addition of a Mechanical Draftsman at $1,500, a Stenographer and Typewriter at $900, a Typewriting Copyist at $720, and for the elimination of a Structural Steel Draftsman at $1,800, and a Stenographer and Typewriter at $1,200 per annum, to be effective as of August 1, 1911:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 28, 1911, the Acting President of the Borough of Manhattan requested modification of a salary schedule in his office for the year 1911. In connection therewith I report as follows:

The request is in Bureau of Public Buildings and Offices, Administration 1689.

It is proposed to add a Mechanical Draftsman, at $1,500 per annum; a Stenographer and Typewriter, at $900, and a Typewriting Copyist at $720.

The funds necessary for the changes are to be provided by dropping a Structural Steel Draftsman, at $1,800 per annum; a Stenographer and Typewriter, at $1,200, and decreasing an unassigned balance by $120.

The following table shows the line item changes in detail:

Account No.	Schedule Line.	Schedule Transfer. Increase.	Schedule Transfer. Decrease.	Cash Transfer. Increase.	Cash Transfer. Decrease.
1689.	Structural Steel Draftsmen, 2 at $1,800	.....	$1,800 00	.....	$750 00
	Mechanical Draftsman, at $1,500	$1,500 00	.....	$625 00	.....
	Stenographer and Typewriter, at $1,200	.....	1,200 00	.....	500 00
	Stenographer and Typewriter, at $900	900 00	.....	375 00	.....
	Typewriting Copyist, at $720	720 00	.....	300 00	.....
	Unassigned balance, $220	.....	120 00	.....	50 00
		$3,120 00	$3,120 00	$1,300 00	$1,300 00

The attached resolution, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the office of the President of the Borough of Manhattan for the year 1911, to take effect as of August 1, 1911, as follows:

President, Borough of Manhattan.

Bureau of Public Buildings and Offices, Administration—

1689.	Salaries:	
	Superintendent	$5,000 00
	Assistant Engineer	3,500 00
	Assistant Engineer	2,550 00
	Assistant Engineer, 2 at $1,800	3,600 00
	Clerk	1,650 00
	Clerk	1,350 00
	Mechanical Engineer	2,550 00
	Mechanical Engineer	2,100 00
	Structural Steel Draftsman	1,800 00
	Mechanical Draftsman	1,800 00
	Mechanical Draftsman	1,500 00
	Architectural Draftsman	1,800 00
	Clerk	1,200 00
	Clerk	900 00
	Stenographer and Typewriter	900 00
	Typewriting Copyist	720 00
	Store Keeper	1,800 00
	Automobile Engineman	1,200 00
	Attendant	1,050 00
	Unassigned balance	100 00
		$37,070 00

Which was adopted by the following vote:

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

The Secretary presented the following communications from the Department of Water Supply, Gas and Electricity requesting, and report of the Comptroller relative to, the modification of the Water Revenue Schedule supporting the Account S-216. Maintenance and Distribution of Water Supply, in Brooklyn, Bureau of Water Registrar, in said Department, providing for the addition of an Expert Accountant at $3,000 per annum, and for the increase in compensation of an Inspector at $4 per day to $1,500 per annum, to be effective as of July 1, 1911:

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, July 21, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller:*

Dear Sir—The Board of Aldermen having established the position of Expert Accountant for this Department at a salary of $3,000, and the Civil Service Commission having passed favorably on the Department's request for such an appointment, I respectfully request that you recommend to the Board of Estimate and Apportionment a modification of the salary schedule supporting Account S-216 entitled, Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Administration, Salaries, Bureau of Water Registrar, a copy of which so modified is enclosed. Yours truly, HENRY S. THOMPSON, Commissioner.

Department of Water Supply, Gas and Electricity, Commissioner's Office, 13-21 Park Row, July 25, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller:*

Dear Sir—I have already requested a modification of the salary schedule for the Brooklyn Water Registrar's force to provide for the employment of the Expert Accountant for whom the position was lately established. The schedule so amended, with provision also for an Inspector at $1,500, is herewith enclosed. This Inspector is already in the employ of the Department now being paid at the rate of $4 per diem, and I wish to place him on the annual rate paid other Inspectors performing similar duties.

I therefore respectfully request that you recommend to the Board of Estimate and Apportionment the adoption of the enclosed schedule. The moneys appropriated for this account in the different installments are sufficient to provide for these two positions without further appropriation.

Yours truly, HENRY S. THOMPSON, Commissioner.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 21 and 25, 1911, the Commissioner of Water Supply, Gas and Electricity requested modification of the water revenue schedule supporting the Account **S-216, Maintenance and Distribution of Water Supply in the Borough of Brooklyn, 1911, Administration, Salaries, Bureau of Water Registrar. In connection therewith, I report as follows:**

It is proposed to add an Expert Accountant at $3,000 per annum. This employee is stated to be required for the installation of a cost accounting system.

It is also proposed to increase an Inspector at $4 per day to $1,500 per annum, to equalize his compensation with other Inspectors doing similar work. This increase was approved by your Board on March 9, 1911, prior to the adoption of schedules for employees paid from Brooklyn water revenues, permission being given at that time to the Commissioner to increase one Inspector of Hydrants and Stop Cocks, at $1,252 ($4 per day for 313 days), to $1,500.

As, however, this Inspector is now paid from appropriations S-217, Wages, Regular Employees, and S-270, Wages, Temporary Employees, the request has been verbally amended to cover the schedules supporting these accounts instead of S-216, Salaries.

As this employee has been paid for one day's temporary service, this present schedule temporary allowance can be reduced from ten days to one day. It is stated that no further appropriation of funds is required to provide for the requested increases.

The following table shows the schedule changes in detail:

Account. No.	Schedule Line.	Schedule Transfer. Decrease.	Increase.
S-216.	Expert Accountant, at $3,000	.....	$3,000 00
S-217.	Inspector, at $1,500	.....	1,500 00
	Inspector, at $4 per day (302 days)	$1,208 00	.....
S-270.	Inspector, at $4 per day (10 days)	36 00	.....
		$1,244 00	$4,500 00

The attached resolution, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule as revised for employees of the Department of Water Supply, Gas and Electricity, paid for other than budgetary funds, for the year 1911, to be effective as of July 1, 1911, as follows:

Department of Water Supply, Gas and Electricity.

Bureau of Water Registrar, Borough of Brooklyn—

Salaries, Regular Employees, Water Revenue Force:		
Water Registrar	1 at	$4,000 00
Expert Accountant	1 at	3,000 00
Cashier	1 at	2,250 00
Financial Clerk	1 at	2,100 00
Clerk	1 at	2,250 00
Clerks	3 at	1,650 00
Clerks	5 at	1,350 00
Clerks	9 at	1,200 00
Clerks	7 at	1,050 00
Clerks	29 at	900 00
Clerk	1 at	540 00
Stenographers and Typewriters	2 at	1,200 00
Stenographers and Typewriters	4 at	1,050 00
Messenger	1 at	1,050 00
Inspector of Meters and Water Consumption	1 at	2,100 00
Inspectors	3 at	1,500 00
Inspector	1 at	1,250 00
Inspectors	9 at	1,200 00
Inspectors	73 at	1,100 00
Wages, Regular Employees, Water Revenue Force:		
Foreman, 1 at		$1,800 00
Inspector, 1 at		1,500 00
Assistant Foreman, 1 at $3 per day (302 days).		
Caulker, 1 at $4 per day (302 days).		
Plumber, 1 at $5.50 per day (302 days).		
Laborer-Rockman, 1 at $3 per day (302 days).		
Driver, 1 at $2.50 per day (302 days).		
Laborers, 3 at $2.50 per day (302 days).		
Wages, Temporary Employees, Water Revenue Force:		
Inspector at $4 per day (1 day).		
Assistant Foreman, at $3 per day (10 days).		
Caulker, at $4 per day (10 days).		
Plumber, at $5.50 per day (10 days).		
Laborer-Rockman, at $3 per day (10 days).		
Driver, at $2.50 per day (10 days).		
Laborers, at $2.50 per day (30 days).		

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Public Service Commission from the First District requesting, and report of the Comptroller relative to, the modification of the salary schedules for the Public Service Commission for the year 1911, providing for increases in compensation, the addition of new positions, the abolishment of thirteen positions and decreasing the compensation of one incumbent;

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, June 29, 1911.

Hon. W. A. PRENDERGAST, *Comptroller, Department of Finance,* 280 Broadway, New York City.

Dear Sir—It has been found necessary to make certain changes in our General Administration schedule and in the schedules of the Legal, Transportation and Engineering Departments. I accordingly transmit herewith modified schedules, upon which the payrolls for the month of June are based.

Very truly yours, TRAVIS H. WHITNEY, Secretary.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—In response to a request of the Secretary of the Public Service Commission for the First District, on June 29, 1911, for modification of four non-budgetary schedules for the Commission for the year 1911, I report as follows:

Increases in compensation amounting to $1,410 per annum are proposed for seven incumbents. One incumbent is to be decreased $200 and ten new positions are to be added at a yearly cost of $12,120. Thirteen positions, amounting to $15,376 per annum, are to be abolished.

The total increases are $13,530, against total decreases of $15,576, giving a net decrease of $2,046.

The following tables show all the changes involved.

Increase in Compensation.

	Number of Incumbents.	Present Rate.	Proposed Rate.	Per Annum Increase.
Assistant Secretary	1	$3,000 00	$3,600 00	$600 00
Assistant Secretary	1	1,800 00	2,100 00	300 00
Junior Clerk	1	480 00	540 00	60 00
Junior Railway Engineer	1	1,350 00	1,500 00	150 00
Stenographer	1	960 00	1,080 00	120 00
Stenographer	1	840 00	900 00	60 00
Stenographer	1	720 00	840 00	120 00
	7			$1,410 00

New Positions.

Stenographers	2 at $900	$1,800 00
Pages	2 at 360	720 00
Secretary to Counsel	1 at 2,100	2,100 00
Junior Engineer	1 at 1,500	1,500 00
Architectural Draftsmen	2 at 1,650	3,300 00
Cement Tester	1 at 1,500	1,500 00
Transit Inspector	1 at 1,200	1,200 00
		$12,120 00

Decreases in Compensation.

	Present Rate.	Proposed Rate.	Per Annum Decrease.
Assistant Secretary	$4,200 00	$4,000 00	$200 00

Positions Abolished.

Junior Clerk	1 at $600	$600 00
Stenographer	1 at 1,350	1,350 00
Stenographer	1 at 960	960 00
Assistant Counsel	1 at 3,200	3,200 00
Junior Engineers	2 at 1,201	2,402 00
Architectural Draftsman	1 at 1,500	1,500 00
Junior Assistant	1 at 960	960 00
Junior Assistant	1 at 900	900 00
Stenographer	1 at 960	960 00
Transit Inspectors	2 at 912	1,824 00
Stenographer	1 at 720	720 00
	13	$15,376 00

Summary.

Decreases in compensation	$200 00	
Positions abolished	15,376 00	
		$15,576 00
Increases in compensation	$1,410 00	
New positions	12,120 00	
		13,530 00
Decrease in yearly cost		$2,046 00

The following table shows the line item changes in detail:

Account. No.	Schedule Line.	Schedule Transfer. Decrease.	Increase.
R-PSC-1.	Assistant Secretary, 1 at $4,200	$4,200 00	.....
	Assistant Secretary, at $4,000	.....	$4,000 00
	Assistant Secretary, 1 at $3,000	3,000 00	.....
	Assistant Secretary, at $3,600	.....	3,600 00
	Assistant Secretary, 1 at $1,800	1,800 00	.....
	Assistant Secretary, at $2,100	.....	2,100 00
	Junior Clerk, 1 at $600	600 00	.....
	Junior Clerk, at $540	.....	540 00
	Junior Clerk, 9 at $480	480 00	.....
	Stenographer, 1 at $1,350	1,350 00	.....
	Stenographer, 4 at $960	960 00	.....
	Stenographer, 2 at $900	.....	1,800 00
	Page, 3 at $360	.....	720 00
	Balance unassigned, $850	370 00	.....
R-PSC-9.	Assistant Counsel, 1 at $3,200	3,200 00	.....
	Secretary to Counsel, at $2,100	.....	2,100 00
	Balance unassigned	.....	1,100 00
R-PSC-18.	Junior Engineer, 5 at $1,500	.....	1,500 00
	Junior Engineer, 11 at $1,201	2,402 00	.....
	Architectural Draftsman, 3 at $1,650	.....	3,300 00
	Architectural Draftsman, 1 at $1,500	1,500 00	.....
	Junior Assistant, 13 at $960	960 00	.....
	Junior Assistant, 6 at $900	900 00	.....
	Stenographer, 6 at $960	960 00	.....
	Cement Tester, 1 at $1,500	.....	1,500 00
	Unassigned balance, $299	.....	422 00
R-PSC-21.	Junior Railway Engineer, 5 at $1,500	.....	1,500 00
	Junior Railway Engineer, 1 at $1,350	1,350 00	.....
	Transit Inspector, 22 at $1,200	.....	1,200 00
	Transit Inspector, 2 at $912	1,824 00	.....
	Stenographer, 1 at $1,080	.....	1,080 00
	Stenographer, 1 at $960	960 00	.....
	Stenographer, 1 at $900	.....	900 00
	Stenographer, 2 at $720	1,440 00	.....
	Balance unassigned, $565	.....	894 00
		$19,456 00	$19,456 00

Information as to the names of the incumbents proposed for increased compensation, their periods of service, dates of previous increases, etc., was refused by the Secretary of the Commission.

The attached resolution, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Public Service Commission for the year 1911, to take effect as of June 1, 1911, as follows:

General Administration—

R-PSC-1. Salaries:

Assistant Secretary	$4,000 00
Assistant Secretary	3,600 00
Assistant Secretary	2,100 00
Secretary to Chairman	3,600 00
Secretary to Commissioners, 4 at $2,100	8,400 00
Auditor	3,300 00
Deputy Auditor	1,801 00
Chief Clerk	3,000 00
Assistant Chief Clerk, 2 at $1,500	3,000 00
Clerk, 2 at $960	1,920 00
Clerk	900 00
Proofreader	1,080 00
File Clerk, 4 at $1,080	4,320 00
Clerks, 2 at $721	1,442 00
Junior Clerk	540 00
Junior Clerk, 8 at $480	3,840 00
Purchasing Agent	1,800 00
Librarian	3,300 00
Assistant Librarian	1,080 00
Junior Assistant Counsel	2,000 00
Junior Assistant Counsel	1,800 00
Law Clerk	840 00
Correspondence Clerk	1,080 00
Correspondence Clerk	912 00
Stenographer	1,650 00
Stenographer, 10 at $1,080	10,800 00
Stenographer, 3 at $960	2,880 00
Stenographer, 4 at $900	3,600 00
Stenographer	840 00
Messenger	900 00
Telephone Operator	840 00
Telephone Operator	720 00
Page, 5 at $360	1,800 00
Porter	600 00
Watchman	600 00
Assistant Supervising Transit Inspector	1,350 00
Junior Assistant	1,200 00
Photographer	2,100 00
Balance Unassigned	480 00
	$91,015 00

Legal Department—

R-PSC-9. Salaries:

Assistant Counsel	$7,500 00
Assistant Counsel	6,000 00
Assistant Counsel	5,100 00
Assistant Counsel, 2 at $4,200	8,400 00
Assistant Counsel	3,600 00
Junior Assistant Counsel	2,460 00
Junior Assistant Counsel	1,800 00
Secretary to Counsel	2,100 00
Law Clerk	1,201 00
Filing Clerk and Librarian	1,080 00
Stenographer, 3 at $1,080	3,240 00
Stenographer	840 00
Junior Clerk	480 00
Page	360 00
Unassigned balance	1,100 00
	$45,201 00

Engineering Department—

R-PSC-18. Salaries:

Engineer of Subway Construction	$10,000 00
Principal Assistant Engineer	5,000 00
Division Engineer, 4 at $4,000	16,000 00
Designing Engineer, 4 at $3,300	13,200 00
Senior Assistant Designing Engineer, 2 at $3,000	6,000 00
Senior Assistant Designing Engineer	2,700 00
Assistant Designing Engineer	2,700 00
Senior Assistant Division Engineer, 6 at $3,000	18,000 00
Senior Assistant Division Engineer	2,700 00
Assistant Division Engineer	3,000 00
Assistant Division Engineer, 2 at $2,700	5,400 00
Assistant Division Engineer	2,550 00
Assistant Engineer, 2 at $2,400	4,800 00
Assistant Engineer, 10 at $2,250	22,500 00
Assistant Engineer, 2 at $2,100	4,200 00
Assistant Engineer, 7 at $1,950	13,650 00
Assistant Engineer	1,860 00
Assistant Engineer	1,812 00
Junior Engineer, 11 at $1,800	19,800 00
Junior Engineer, 9 at $1,650	14,850 00
Junior Engineer, 5 at $1,512	7,560 00
Junior Engineer, 6 at $1,500	9,000 00
Junior Engineer, 3 at $1,350	4,050 00
Junior Engineer, 9 at $1,201	10,809 00
Designer, 3 at $2,100	6,300 00
Designer, 5 at $1,950	9,750 00
Designing Architect	3,012 00
Designing Architect	3,000 00
Assistant Designing Architect	2,700 00
Architectural Designer, 2 at $2,100	4,200 00
Architectural Draftsman, 4 at $1,800	7,200 00
Architectural Draftsman, 5 at $1,650	8,250 00
Draftsman, 6 at $1,800	10,800 00
Draftsman, 3 at $1,650	4,950 00
Draftsman	1,500 00
Draftsman, 4 at $1,350	5,400 00
Junior Assistant, 10 at $1,200	12,000 00
Junior Assistant, 10 at $1,080	10,800 00
Junior Assistant	1,000 00
Junior Assistant, 12 at $960	11,520 00
Junior Assistant, 2 at $912	1,824 00
Junior Assistant, 4 at $901	3,604 00
Junior Assistant, 5 at $900	4,500 00
Junior Assistant	840 00
Junior Assistant, 14 at $720	10,080 00
Secretary to Chief Engineer	2,500 00
Assistant Chief Clerk	1,500 00
Stenographer	1,650 00
Stenographer, 2 at $1,350	2,700 00
Stenographer	1,200 00
Stenographer, 2 at $1,080	2,160 00
Stenographer, 5 at $960	4,800 00
Junior Clerk	480 00
Page, 6 at $360	2,160 00
Porter	660 00
Janitor	180 00
Janitor	96 00
Cement Tester	2,100 00
Steel Chemist	1,980 00
Cement Tester, 2 at $1,500	3,000 00
Inspector of Steel, 2 at $1,500	3,000 00
Inspector of Conduits	1,200 00
Balance unassigned	721 00
	$357,458 00

Transportation Department—

R-PSC-21. Salaries:

Transportation Engineer	$10,000 00
General Inspector of Stations	4,000 00
Electrical Engineer	3,600 00
Electrical Engineers, 2 at $2,400	4,800 00
Electrical Engineer	2,200 00
Electrical Engineer	1,950 00
Assistant Electrical Engineer	1,800 00
Assistant Engineer	2,250 00
Assistant Engineer	1,950 00
Junior Engineer	1,650 00
Railway Engineer	2,100 00
Junior Railway Engineers, 2 at $1,800	3,600 00
Junior Railway Engineers, 6 at $1,500	9,000 00
Junior Railway Engineer	1,200 00
Junior Railway Engineers, 3 at $1,201	3,603 00
Junior Railway Engineer	960 00
Traffic Inspector	1,500 00
Supervising Transit Inspector, 4 at $1,500	6,000 00
Assistant Supervising Transit Inspector, 8 at $1,350	10,800 00
Transit Inspectors, 23 at $1,200	27,600 00
Draftsman	1,800 00
Draftsman	1,350 00
Stenographer	1,200 00
Stenographers, 2 at $1,080	2,160 00
Stenographer	900 00
Stenographer	840 00
Filing Clerk, 2 at $1,080	2,160 00
Clerk	900 00
Messenger	600 00
Junior Clerk	480 00
Chief Inspector of Electric Meters	1,350 00
Balance unassigned	1,459 00
	$115,762 00

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of the Comptroller recommending, the issue of $5,000 special revenue bonds (subdivision 8, section 188 of the Charter), the proceeds to be used by the Commissioner of Weights and Measures for the purpose of hiring special Measurers in connection with snow removal work prior to January 1, 1912; also recommending approval of a schedule for the fund:

(On July 27, 1911, the resolution of the Board of Aldermen, requesting the above appropriation was referred to the Comptroller.)

In the Board of Aldermen.

Resolved, That in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of five thousand dollars ($5,000), the proceeds whereof to be used by the Commissioner of Weights and Measures for the purpose of hiring special Measurers in connection with snow removal work during 1911.

Adopted by the Board of Aldermen July 11, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 25, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 11, 1911, the Board of Aldermen adopted a resolution requesting $5,000 in special revenue bonds, to be used by the Commissioner of Weights and Measures, the Mayoralty, for hiring special measurers to be employed in snow removal work during the latter part of 1911. In connection therewith I report, as follows:

The President of the Borough of Manhattan, as a member of the Committee on Snow Removal of the Board of Estimate and Apportionment, requested the Board of Aldermen to adopt the resolution. In his communication to the Board the President stated the following:

"During the season of 1910-1911, the Mayor's Bureau of Weights and Measures rendered excellent service through its measurement of all the vehicles used for snow removal, and as the contracts for 1911-1912 are about to be submitted to the Board of Estimate and Apportionment for approval, it is necessary that funds should be provided for this part of the work before the contracts are let. The amount here asked for in revenue bonds is to cover the probable expense during the month of December, and it is expected that the outlays during the other winter months will be provided for in the annual Budget. As these contracts are to be let within a very short time, it is important that prompt action should be taken on this request."

I recommend that the request be approved by the adoption of the attached resolution, authorizing the issue and providing a schedule for the funds.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 11, 1911, requesting an issue of special revenue bonds in the sum of five thousand dollars ($5,000), the proceeds whereof to be used by the Commissioner of Weights and Measures for the purpose of hiring special Measurers, in connection with snow removal work, prior to January 1, 1912, 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 five thousand dollars ($5,000), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule for the Bureau of Weights and Measures, the Mayoralty, for the year 1911, as follows:

The Mayoralty, Bureau of Weights and Measures.

Wages, Temporary Employees, to be paid from special revenue bonds:
Special Measurers, snow removal work $5,000 00

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of the Comptroller recommending, the issue of $2,000 special revenue bonds (subdivision 8, section 188 of the Charter), the proceeds to be used by the President of the Borough of The Bronx for the purpose of restoring the Heine Monument situate at the entrance of the Grand Boulevard and Concourse at 161st street:

(On July 27, 1911, the resolution of the Board of Aldermen requesting the above appropriation was referred to the Comptroller.)

In the Board of Aldermen.

Whereas, The Heine Monument, situate at the entrance to the Grand boulevard and concourse, Bronx, has been mutilated and defaced by vandals, seams and fissures opened by blasting operations in the immediate vicinity, and

Whereas, It is essential to preserve this beautiful allegoric specimen of the sculptor's art, of particular interest to the German population of New York City and an established landmark in The Bronx, and

Whereas, It has been earnestly advocated by the Borough officials and the various German societies and newspapers that prompt measures be taken to restore this monument before irreparable damage be done, therefore be it

Resolved, That in pursuance 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 $2,000, the proceeds to be used by the President of the Borough of The Bronx to pay for the restoration of the Heine Monument, situate at the entrance to the Grand boulevard and concourse at 161st st.

Adopted by the Board of Aldermen July 11, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 25, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 3, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 11, 1911, the Board of Aldermen adopted the following resolution:

"Whereas, The Heine Monument, situate at the entrance of the Grand boulevard and concourse, The Bronx, has been mutilated and defaced by vandals, seams and fissures opened by blasting operations in the immediate vicinity; and

"Whereas, It is essential to preserve this beautiful allegorical specimen of the sculptor's art of particular interest to the German population of New York City and an established landmark in The Bronx; and

"Whereas, It has been earnestly advocated by the Borough officials and the various German societies and newspapers that prompt measures be taken to restore this monument before irreparable damage be done; therefore be it

"Resolved, That, in pursuance of subdivision 8, section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of $2,000, the proceeds to be used by the President of the Borough of The Bronx for the restoration of the Heine Monument, situate at the entrance of the Grand boulevard and concourse at 161st street."

It is stated by the President that, according to the specifications furnished by the Municipal Art Commission, that the estimated cost for restoring the monument will be $1,600. It is proposed to do work as follows:

Remove the present foundation of the marble basin; put in a new foundation and also reset marble of the basin.

Point up all loose joints of the centre die.

Retouch and reset the detached head of the north figure.

Reset the head and repoint the loose joints of the arms of the west figure.

In addition to the work on the monument itself, it is proposed to reset the coping and make repairs to the railing surrounding the monument. The cost of this work is estimated at $400, making a total of $2,000 for the entire job.

I recommend, therefore, that this Board concur in the resolution of the Board of Aldermen, and I transmit herewith a resolution which, if adopted, will grant the request for special revenue bonds.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 11, 1911, requesting an issue of special revenue bonds to the amount of $2,000, to be used by the President of the Borough of The Bronx for the restoration of the Heine Monument, situate at the entrance of the Grand boulevard and concurse at 161st street, 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 hereby is authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds to an amount not exceeding two thousand dollars ($2,000), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of the Comptroller recommending, the issue of $10,000 special revenue bonds (subdivision 8, section 188 of the Charter), the proceeds to be used by the Commissioner of Parks, Boroughs of Manhattan and Richmond, for the purpose of providing a fund for maintenance expenses, New York Public Library, during the remainder of the year 1911:

(On July 27, 1911, the resolution of the Board of Aldermen requesting the above appropriation was referred to the Comptroller.)

In the Board of Aldermen.

Resolved, That in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of ten thousand dollars ($10,000), the proceeds whereof to be used by the Commissioner of Parks, Manhattan and Richmond, for the purpose of providing a fund for maintenance expenses, New York Public Library, during the remainder of 1911.

Adopted by the Board of Aldermen July 11, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 25, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—In reference to the resolution adopted by the Board of Aldermen on July 11, 1911, requesting an issue of special revenue bonds to an amount of $10,000, to be used by the Commissioner of Parks, Boroughs of Manhattan and Richmond, for the purpose of providing a fund for maintenance expenses, New York Public Library, during the remainder of 1911, I report as follows:

The contract for the exterior of the library was completed about four years ago and on some of the interior construction three years ago; final payments were made on same, a two-year guarantee being given by the contractors. These agreements, it is stated, have been complied with, and it is now incumbent upon the City to make the necessary repairs.

The Commissioner has furnished the following list of repairs that are necessary at this time:

Preserving woodwork, waxing floors, doors, etc.	$2,000 00
Preserving marble and bronze work, painting up, etc.	800 00
Repairs and painting on roof	700 00
Repairs to elevators, booklofts, etc.	800 00
Repairs to heating system, packing valves, etc.	450 00
Repairs to doors, locks and wooden fixtures	750 00
Repairs to plumbing	300 00
Repairs to bronze lighting fixtures	900 00
Renewal of lamps	2,000 00
Repairs of ventilating system	250 00
Contingencies, broken glass, etc.	450 00
Inspection and supervision	600 00
	$10,000 00

No provision was made for the maintenance of the building in the Budget of 1911 for the reason that it had not been turned over to the City at the time the estimates were submitted.

I recommend the adoption of the attached resolution concurring in the resolution of the Board of Aldermen to the full amount requested.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolutions adopted by the Board of Aldermen on July 11, 1911, requesting an issue of special revenue bonds in the sum of ten thousand dollars ($10,000), the proceeds whereof to be used by the Commissioner of Parks, Manhattan and Richmond, for the purpose of providing a fund for maintenance expenses, New York Public Library, during the remainder of 1911, 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 ten thousand dollars ($10,000), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting an issue of $3,000, and report of the Comptroller recommending, an issue of $2,500 special revenue bonds (subdivision 8, section 188 of the Charter), to provide for the salary of a Consulting Engineer, office of the President of the Borough of Queens, from August 1, 1911; also recommending approval of a schedule for the fund:

(On July 26, 1911, the resolution of the Board of Aldermen requesting an issue of $3,000 special revenue bonds for the salary of said position for the last six months of 1911, was referred to the Comptroller.)

(On July 27, 1911, the resolution of the Board of Aldermen requesting the above appropriation was referred to the Comptroller.)

In the Board of Aldermen.

Resolved, That, pursuant to subdivision 8 and section 188 of the Charter of The City of New York, the Comptroller be and is hereby authorized to issue special revenue bonds to an amount not exceeding three thousand dollars ($3,000), the proceeds whereof to be used by the President of the Borough of Queens to pay the salary of a Consulting Engineer for the last six months of the year 1911.

Adopted by the Board of Aldermen June 27, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor July 5, 1911. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On June 27, 1911, the Board of Aldermen adopted a resolution requesting $3,000 in special revenue bonds to be expended by the President of the Borough of Queens for the purpose of paying the salary of a Consulting Engineer for the last six months of the year 1911.

In connection therewith, I report as follows:

On February 28, 1902, the Board of Estimate and Apportionment adopted the following resolution:

"Resolved, That, pursuant to section 386, chapter 466, of the Laws of 1901, the President of the Borough of Queens is hereby authorized to employ a Consulting Engineer of Public Works at such times as the public interests may require, and at such proper compensation as the particular work upon which he is employed requires."

The resolution was concurred in by the Board of Aldermen on April 1, 1902, and on April 14, 1902, it was approved by the Mayor.

On July 27, 1911, the Board of Estimate and Apportionment adopted a resolution recommending the establishment of the grade of position of Consulting Engineer at $6,000 per annum, Borough of Queens. This resolution was approved by the Board of Aldermen on July 31, 1911. On July 20, 1911, the position was filled by the appointment of Leonard C. L. Smith, at the $6,000 rate.

The President of the Borough states as follows:

"The many problems arising in this Borough that require expert engineering advice, and for which I have been dependent upon the Engineers in charge of the different bureaus, has become so voluminous that I have come to the conclusion that for the proper and efficient performance of the duties devolving upon me by law, it is absolutely necessary for me to have a Consulting Engineer whose sole duties will be appropriate to his title, as many matters of importance have been delayed by the reason of my having to take up the time of the Engineers in charge of the different bureaus."

The attached resolution, if adopted, will grant the request and approve a schedule for the fund. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on June 27, 1911, and approved by the Mayor July 5, 1911, requesting an issue of special revenue bonds in the sum of three thousand dollars ($3,000), the proceeds whereof to be used by the President of the Borough of Queens to pay the salary of a Consulting Engineer for the last six months of the year 1911, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment to the extent of two thousand five hundred dollars ($2,500), to provide funds for the salary of a Consulting Engineer from August 1, 1911, and for the purpose of providing means therefor the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York to an amount not exceeding two thousand five hundred dollars ($2,500), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule of salary paid from other than Budget funds in the office of the President of the Borough of Queens for the year 1911, as follows:

President, Borough of Queens.

Salaries, Special Revenue Bond Force—
Consulting Engineer, 1 at $6,000 per annum.

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of the Comptroller recommending, an issue of $100,575 special revenue bonds (subdivision 8, section 188 of the Charter), to provide for the purchase by the Department of Street Cleaning of 20 draft horses at $340 each, and 30 driving horses at $292.50 each:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of one hundred thousand five hundred and seventy-five dollars ($100,575), the proceeds whereof to be used by the Department of Street Cleaning for the purpose of purchasing horses as follows:

270 draft horses, at $340 each	$91,800 00
30 driving horses, at $292.50 each	8,775 00
	$100,575 00

Adopted by the Board of Aldermen July 11, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 25, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—In reference to the resolution adopted by the Board of Aldermen on July 11, 1911, requesting an issue of special revenue bonds to an amount of $100,575, to be used by the Commissioner of Street Cleaning for the purchase of horses, I report as follows:

The Commissioner states that the following horses are necessary to enable him to properly carry on the work in the Department:

270 draft horses, at $340 each	$91,800 00
30 driving horses, at $292.50 each	8,775 00
	$100,575 00

He states further that after a thorough investigation with an attache of the Department of Finance preparatory to making the budget for the year 1911, it was determined that the following equipment of horses was necessary to properly perform the work in each Borough:

Borough of Manhattan	1,350 horses
Borough of The Bronx	250 horses
Borough of Brooklyn	900 horses
Total	2,500 horses

An issue of special revenue bonds was allowed to provide for this equipment, and provisions were made in the Budget to maintain the same.

The loss of horses from all causes from June 1, 1910, to December 31, 1910, numbered 169. On June 1, 1911, the total number of horses in all Boroughs was 2,402, a loss of 98 horses. Since this date the recent hot spell has further reduced the equipment, and at present the total number of horses available in all Boroughs is 2,353.

The 30 driving horses requested are necessary for the use of general officers, and for night duty.

The Commissioner states that new horses are not good for a full day's service until they have been in the Department at least three months as the green horses cannot stand the work and that if the full equipment is kept up to the standard the hiring of horses and trucks would be practically eliminated.

Figured on the basis of the present equipment this request, if allowed, will give a total of 2,653 in all boroughs, which will enable the Commissioner to provide proper supervision for night work, and provide a number of horses sufficient to allow him to give his green horses easy work for the first three months after their purchase.

I recommend the adoption of the attached resolution concurring in the resolution of the Board of Aldermen to the full amount requested.

Respectfully, WM A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 11, 1911, requesting an issue of special revenue bonds in the sum of one hundred thousand five hundred and seventy-five dollars ($100,575), the proceeds whereof to be used by the Department of Street Cleaning for the purpose of purchasing horses, as follows:

270 draft horses, at $340 each	$91,800 00
30 driving horses, at $292.50 each	8,775 00
	$100,575 00

—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 one hundred thousand five hundred and seventy-five dollars ($100,575), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The Secretary presented the following communication from Adrian Sizer, and report of the Comptroller relative to, the prosecution of the claim of The City of New York against the United States Government for money raised and disbursed by the City to aid the United States Government in suppressing the rebellion in 1861:

(On July 6, 1911, a communication from Adrian Sizer relative to the above matter was referred to the Comptroller.)

Adrian Sizer, Attorney and Counsellor at Law, Colorado Building, Washington, D. C., June 29, 1911.

Hon. WILLIAM J. GAYNOR, *Mayor of Greater New York*, New York City:

Dear Sir—In conformity with the suggestions made at our interview yesterday afternoon, I beg to submit herewith the following data respecting the claim of The City of New York against the Federal Government.

On April 25, 1861, an ordinance was passed by the City Council authorizing the issuance of bonds in the amount of one million dollars, and appropriating this sum for the use of the "Union Defence Committee of the City of New York." The City Comptroller was authorized to borrow from time to time such sums as were necessary, and to issue bonds of the corporation therefor.

The Union Defence Committee raised and fully equipped 15,000 men to aid the United States in suppressing the rebellion, and expended in so doing the following sums:

Ammunition, arms, tents, etc	$227,483 98
Rations and medical stores	52,473 10
Clothing and equipments	489,466 23
Aid to soldiers' families	230,350 00
	$999,773 31

A part of the above expenditures appear to have been refunded to The City of New York in the sum of $107,008.75 by the War Department, presumably for arms.

The last item in the account, expended for aid to soldiers' families, $230,350, falls within a class of expenditures which it has been the declared policy of the Government not to refund.

Diminishing the total by the last two items, and the claim would amount to $662,414.56, which represents a class of expenditures that the Accounting Officers of the Government have allowed without question in claims of States, where properly supported by the required proof.

During the time when this money was being expended, in August, 1861, Fernando Wood, then Mayor of New York City, wrote to the Secretary of the Treasury that The City of New York had then expended $750,000 on account of troops raised under the call of President Lincoln, requesting to be advised as to what action the Federal Government was to take in reimbursing The City of New York therefor.

In January, 1864, Fernando Wood, then in Congress, introduced a bill for the payment of a claim, therein stated at $651,720, for expenses incurred by The City of New York in raising troops.

Bills were introduced in Congress for the payment to The City of New York of this claim at various times, by Bourke Cochran, Samuel S. Cox, and Amos B. Cummings.

A bill introduced in the Fifty-third Congress by Mr. Cummings was reported on by the Committee of War Claims of the House of Representatives, and on April 17, 1896, Mayor Strong, Corporation Counsel Scott, and Comptroller Fitch of New York City, appeared before the above committee in behalf of the bill. At this interview the War Claims Committee instructed Comptroller Fitch to supply certain necessary data, showing the specific purposes for which the money was expended, as well as proof of the benefits thereof accruing to the Federal Government.

The City authorities did not appear to have been sufficiently familiar with the procedure in these cases to have complied with the requirements in furnishing the data called for, and the matter lapsed with the ending of the Fifty-fourth Congress.

The Spanish-American war coming on during the following Congress, matters in relation thereto appear to have commanded the attention of Congress to the exclusion of this claim and no further efforts to secure an adjustment of this claim appear to have been taken.

In conformity with the understanding of yesterday, should it meet with your approval, I would assume charge of the prosecution for the recovery of this claim upon a contingent basis, the same as I now am representing the State of New York on matters of like character, and would personally attend to all of the detail work of preparing the case and developing the evidence in support thereof, from the records of the City Comptroller's office, so as to meet the requirements of the Accounting Officers of the Government who will finally pass upon this claim.

I beg to submit for your consideration copies of my appointment to represent the State of New York and of correspondence from the Accounting Officers of the Treasury Department showing results accomplished thereunder.

Very truly yours, ADRIAN SIZER.

Power of Attorney.

Know All Men By These Presents, That I, Edward R. O'Malley, Attorney General of the State of New York, and on behalf thereof, by and with the approval of the Governor, have made, constituted and appointed, and by these presents do make, constitute and appoint, Adrian Sizer, of Washington, D. C., my true and lawful agent and attorney, for me and in my name, place and stead, to prosecute and collect before the Court of Claims, Treasury Department, or any tribunal of the United States Government, any and all claim or claims which the State of New York, or the Governor thereof, may have or be entitled to file against the said United States Government for disbursements, charges and expenses growing out of the war with Spain, 1898; the Civil War, 1861-1865; and the War of 1812, with the condition, however, that any and all sums collected or obtained by my said agent and attorney by virtue hereof shall be made payable by the United States Government direct to the Treasurer of the State of New York, or to such public officer as I may direct, and that no power or authority is conferred hereby to the said Adrian Sizer to receive or receipt for any such sum or sums.

Hereby giving and granting to my said agent and attorney full power and authority to do and perform any lawful act necessary to be done in the adjustment and settlement of said claim or claims, except to receive and receipt for the sum or sums awarded in payment thereof, as fully and to all intents and purposes as I might or could do if personally present at the doing thereof, hereby directing my said agent and attorney to do whatever is lawful and necessary to collect said claim or claims, and to inspect and investigate any claims the State of New York may now have on file.

This power of attorney is given, however, subject to revocation by me or my successors in office, at any time.

In Testimony Whereof, I have hereunto set my hand and caused to be affixed the seal of the State of New York this 14th day of December, 1909.

EDWARD R. O'MALLEY, Attorney-General of the State of New York.

Attest: SAMUEL S. KOENIG, Secretary of State.

Approved: CHARLES E. HUGHES, Governor of the State of New York.

[SEAL]

Treasury Department, Office of Auditor for War Department, Washington, September 26, 1910.

ADRIAN SIZER, *Attorney*, Colorado Building, Washington, D. C.:

Sir—In a supplemental settlement of the claim of the State of New York (11th Instalment), for reimbursement for expenses incurred in aiding the United States to raise the Volunteer Army for the War with Spain, there has been allowed the sum of $40,027.48, and Settlement Certificate No. 12428 has this day been forwarded to the Secretary of the Treasury for payment.

The balance claimed has been disallowed as explained in a Statement of Differences, which is herewith enclosed:

"Any person whose accounts may have been settled by an Auditor of the Treasury Department * * * may within a year obtain a revision of the said account, by the Comptroller of the Treasury, whose decision upon such revision shall be final and conclusive." Section 8, Act July 31, 1894.

Respectfully, B. F. HARPER, Auditor, W. A. R.

Treasury Department, Office of Auditor for the War Department, Washington, D. C., February 23, 1910.

ADRIAN SIZER, *Attorney*, Colorado Building, Washington, D. C.:

The claim of the State of New York, for expenses incurred in aiding the United States to raise the Volunteer Army for the War with Spain received in this office January 16, 1899, has been allowed as shown in the following statement, and settlement certificate No. 10646 has this day been forwarded to the Secretary of the Treasury for payment.

	Amount claimed.	As settled.
Ordnance stores issued to its troops	$49,581 26	$49,541 74

Respectfully, B. F. HARPER, Auditor.

Treasury Department, Office of the Comptroller of the Treasury, September 29, 1910.

The State of New York appealed May 28, 1910, from the action of the Auditor for the War Department in settlement (Claim No. 162385) dated May 26, 1910.

The State claimed reimbursement for amounts paid for duties on arms issued to troops for use in aiding to suppress the insurrection against the United States, 1861 to 1865, under the provisions of the acts of July 27, 1861 (12 Stat. 276), March 8, 1862 (12 Stat., 615), and February 14, 1902 (32 Stat., 30). * * *

As the total cost of the duties on 2,664 rifles was $18,639.13, as set forth, *supra*, the proportionate cost for the 1,030 used under orders of United States officers and not returned to the State, at average cost for duties of $6.99 2/3, equals $7,206.57, to which the State is entitled. A certificate of differences will be issued accordingly.

R. J. TRACEWELL, Comptroller.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, July 31, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 6, 1911, the Board of Estimate and Apportionment referred to me a communication from Adrian Sizer, Attorney and Counsellor at Law, of Washington, D. C., in regard to the prosecution of a claim of The City of New York against the United States Government for money raised and disbursed by the City to aid the United States Government in suppressing the rebellion in 1861. In connection therewith I report as follows:

The records of the Department of Finance show that the City spent more than a million dollars in defense of the Union. This money was raised by the sale of bonds authorized on April 25, 1861, by an ordinance passed by the City Council. The issue of bonds amounted to $1,000,000, which sum was appropriated for the use of the "Union Defence Committee of the City of New York." The resolution authorized the Comptroller to borrow from time to time such sums as were necessary and to issue bonds of the Corporation therefor.

Attached to this report is an itemized statement of the expenditures made by the Union Defence Committee. The total amount of the disbursements as shown by this itemized statement was $1,001,882. According to Mr. Sizer, the Union Defence Committee raised and equipped fifteen thousand men for the United States Army and in so doing expended the following sums:

Ammunition, arms, tents, etc.	$227,483 98
Rations and medical stores	52,473 10
Clothing and equipments	489,466 23
Aid to soldiers' families	230,350 00
	$999,773 31

Mr. Sizer's figures do not agree with the totals, as shown in the records of the Comptroller's office, General Ledger 1, folio 102. However, it is possible to reconcile the different totals by analyzing the accounts.

The Comptroller's accounts show four items aggregating $2,108.69 not included in Mr. Sizer's totals. These added to the $999,773.31, the total shown in Mr. Sizer's account, make up the exact total, as shown on the books of the Department of Finance. According to Mr. Sizer, the City has a claim of $662,414.56, representing a class of expenditures that the Accounting Officers of the Government have allowed without question, in claims of States where claims were properly supported by proof. Mr. Sizer arrives at this figure by deducting $230,350, expended by the Union Defence Committee for the aid of soldiers' families, and $107,008.75, already refunded to the City by the United States Government. He states that it is the declared policy of the United States Government, in matters of this kind, not to refund money expended for aid to soldiers' families, so, under this ruling, the $230,350 expended by the Union Defence Committee for such purposes cannot be considered a valid claim against the Government.

There are certain items of interest which may swell the claim from $662,414.56, as stated by Mr. Sizer, to approximately $700,000. However, that is a question of detail to be settled when the claim is prosecuted.

Various efforts have been made to secure a refund of the money expended by the Union Defence Committee. Mr. Sizer's statement concerning these efforts is as follows:

During the time when this money was being expended, in August, 1861, Fernando Wood, then Mayor of New York City, wrote to the Secretary of the Treasury that The City of New York had then expended $750,000 on account of troops raised under the call of President Lincoln, requesting to be advised as to what action the Federal Government was to take in reimbursing The City of New York therefor.

In January, 1864, Fernando Wood, then in Congress, introduced a bill for the payment of a claim, therein stated at $651,720, for expenses incurred by The City of New York in raising troops.

Bills were introduced in Congress for the payment to The City of New York of this claim at various times, by Bourke Cochran, Samuel S. Cox, and Amos B. Cummings.

A bill introduced in the Fifty-third Congress by Mr. Cummings was reported on by the Committee of War Claims of the House of Representatives, and on April 17, 1896, Mayor Strong, Corporation Counsel Scott, and Comptroller Fitch of New York City, appeared before the above committee in behalf of the bill. At this interview the War Claims Committee instructed Comptroller Fitch to supply certain necessary data, showing the specific purposes for which the money was expended, as well as proof of the benefits thereof accruing to the Federal Government.

The City authorities did not appear to have been sufficiently familiar with the procedure in these cases to have complied with the requirements in furnishing the data called for, and the matter lapsed with the ending of the Fifty-fourth Congress.

The Spanish-American War coming on during the following Congress, matters in relation thereto appear to have commanded the attention of Congress to the exclusion of this claim and no further efforts to secure an adjustment of this claim appears to have been taken.

Attached to Mr. Sizer's letter was a copy of the power of attorney given him by the Attorney-General of the State of New York in 1909 to prosecute and collect before the Court of Claims, Treasury Department, or any tribunal of the United States Government, all claims which the State of New York, or the Governor thereof, had for disbursements, charges and expenses growing out of the war with Spain, in 1898; the Civil War, 1861-1865, and the War of 1812.

It appears that Mr. Sizer acted under this power of attorney and that he obtained for the State of New York $40,027.48 in settlement of one claim of the State of New York for reimbursement for expenses incurred in aiding the United States to raise the Volunteer Army for the War with Spain.

Mr. Sizer has offered to assume charge of the prosecution for the recovery of the claim of The City of New York upon the same contingent basis he is acting upon as representative of the State of New York in like character. He states that he would personally attend to all of the detail work of preparing the case and develop the evidence in support thereof, from the records of the City Comptroller's Office, so as to meet the requirements of the Accounting Officers of the Government who will finally pass upon the claim.

The claim of The City of New York is undoubtedly just and if possible the City should be reimbursed for the money it expended in aiding the Government in the time of the Civil War.

I recommend that the Board of Estimate and Apportionment authorize Mr. Sizer to act on behalf of the City in prosecuting all claims the City may have against the United States Government growing out of the Civil War.

Attached hereto is a resolution which, if adopted, will direct the Corporation Counsel to prepare and execute the necessary power of attorney to act for the City.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment deems it to the best interest of The City of New York to employ Adrian Sizer, as its agent, to prosecute the claim of The City of New York against the United States Government for the reimbursement of $662,414.56, more or less, expended by the Union Defense Committee of The City of New York in 1861-1862 in aiding the United States Government in suppressing the rebellion; and that the Corporation Counsel is hereby directed to prepare and execute a power of attorney, in proper form, constituting and appointing Adrian Sizer, of Washington, D. C., the true and lawful Agent and Attorney of the City of New York to prosecute and collect before the Court of Claims, Treasury Department, or any tribunal of the United State Government, all claims which The City of New York may have, or be entitled to file against the said United States Government, for disbursements, charges and expenses growing out of the Civil War, 1861-1865, with the condition, however, that any and all sums collected or obtained by the said Agent and Attorney, Adrian Sizer, by virtue of his power of attorney, shall be made payable by the United States Government directly to the Comptroller of The City of New York, and that no power or authority shall be conferred upon the said Adrian Sizer to receive or receipt for any such sum or sums; the said Adrian Sizer to do and perform all that is necessary under this power of attorney upon a contingent basis, and his compensation to be determined by a Committee consisting of the Mayor and the Comptroller.

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting an issue of $9,166.67 special revenue bonds (subdivision 8, section 188 of the Charter), the proceeds to be used for the purpose of meeting the increase in the salaries of sixteen City Magistrates, City Magistrates' Courts, Second Division, from August 1 to December 31, 1911, together with a report of the Comptroller's recommending the approval of said request, and approval of a schedule for the fund:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of nine thousand one hundred and sixty-six dollars and sixty-seven cents ($9,166.67), the proceeds whereof to be used for the purpose of meeting increases in the salaries of sixteen City Magistrates in the City Magistrates' Courts, Second Division, from August 1 to December 31, 1911.

Adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—Relative to the request of the Board of Aldermen on July 25, 1911, that the Board of Estimate and Apportionment authorize the Comptroller to issue special revenue bonds, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to an amount not exceeding $9,166.67, the proceeds to be used for the purpose of meeting increases in the salaries of sixteen City Magistrates in the City Magistrates' Courts, Second Division, from August 1 to December 31, 1911, I would report that the Board of Aldermen, by resolution of July 11, 1911, established the following grades of position:

Title.	Rate per Annum.	Number of Incumbents.
City Magistrates	$7,000 00	16

The attached resolutions, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 25, 1911, and approved by the Mayor August 2, 1911, requesting an issue of special revenue bonds in the sum of nine thousand one hundred and sixty-six dollars and sixty-seven cents ($9,166.67), the proceeds to be used for the purpose of meeting the increases in the salaries of sixteen City Magistrates in the City Magistrates' Court, Second Division, from August 1 to December 31, 1911, 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 nine thousand one hundred and sixty-six dollars and sixty-seven cents ($9,166.67), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of a schedule of salaries, as revised, for a special revenue bond issue, to pay the salaries of sixteen City Magistrates in the City Magistrates' Court, Second Division, for the year 1911, to be effective as of August 1, 1911, as follows:

City Magistrates, 16 at $7,000 ..... $9,166 67

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting an issue of $3,000 special revenue bonds (subdivision 8, section 188 of the Charter), the proceeds to be used by the Municipal Civil Service Commission for the purpose of paying for rentals, hall and furniture for examination purposes and postage incidental to special examination for the year 1911, together with a report of the Comptroller recommending the approval of said request:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of three thousand dollars ($3,000), the proceeds whereof to be used by the Municipal Civil Service Commission for the purpose of paying for rentals, halls and furniture for examination purposes and postage incidental to special examinations.

Adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Board of Aldermen adopted a resolution requesting $3,000 in special revenue bonds, the proceeds to be used by the Municipal Civil Service Commission for the purpose of paying for rentals, halls and furniture for examination purposes, and postage incidental to special examinations. In connection therewith, I report as follows:

It is stated that the largely increased and unanticipated number of examinations make the issue absolutely needed.

The following is a statement showing how it is proposed to expend the $3,000:

Rent of Grand Central Palace, not exceeding twelve (12) days, at a daily rental of $200	$2,400 00
Postage, 30,000 two-cent stamps	600 00
	$3,000 00

The attached resolution, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 25, 1911, and approved by the Mayor August 2, 1911, requesting an issue of special revenue bonds in the sum of three thousand dollars ($3,000), the proceeds whereof to be used by the Municipal Civil Service Commission for the purpose of paying for rentals, halls and furniture for examination purposes and postage incidental to special examinations for the year 1911, 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 three thousand dollars

($3,000), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting an issue of $890 special revenue bonds (subdivision 8, section 188 of the Charter), to provide for increases in the salaries of the Clerk and Deputy Clerk of Part II. of the Court of Special Sessions, together with a report of the Comptroller recommending the approval of said request, and approval of a schedule for the fund:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of eight hundred and ninety dollars ($890), the proceeds whereof to be used by the Court of Special Sessions of The City of New York, Part II., for the purpose of providing for increases in salaries of the Clerk and Deputy Clerk of said Part.

Unanimously adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 3, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Board of Aldermen adopted a resolution requesting $890 in special revenue bonds to pay increases in the salaries of the Clerk and Deputy Clerk of Part II. (Brooklyn), of the Court of Special Sessions. In connection therewith, I report as follows:

The request is for funds to pay increases in the salaries of Joseph L. Kerrigan, Clerk, from $3,000 to $4,000 per annum, and John J. Dorman, Deputy Clerk, from $2,500 to $3,500 per annum. The grades of positions at the higher rates were approved by the Board of Estimate and Apportionment on July 6, 1911; were established by the Board of Aldermen on July 11, and became effective on July 25, 1911.

I recommend that the request be approved by the adoption of the attached resolutions. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 25, 1911, and approved by the Mayor August 2, 1911, requesting an issue of special revenue bonds in the sum of eight hundred and ninety dollars ($890), the proceeds whereof to be used by the Court of Special Sessions of The City of New York for the purpose of providing increases in the salaries of the Clerk and Deputy Clerk of Part II. of said Court, 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 eight hundred and ninety dollars ($890), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule for the Court of Special Sessions for the year 1911, as follows:

Court of Special Sessions.

Increases in salaries, regular employees, to be paid from special revenue bonds:

Clerk, Part II., from $3,000 to $4,000	$445 00
Deputy Clerk, Part II., from $2,500 to $3,000	445 00
	$890 00

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting an issue of $556 special revenue bonds (subdivision 8, section 188 of the Charter), for increase in wages of Plumbers in the Department of Parks, Manhattan and Richmond, for the remainder of the year 1911, together with a report of the Comptroller recommending that the Board approve of and concur in said resolution, to the extent of $547.50; also recommending approval of a schedule for the fund:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of five hundred and fifty-six dollars ($556), the proceeds whereof to be used by the Department of Parks, Manhattan and Richmond, for the purpose of meeting increase in wages of Plumbers for remainder of year 1911.

Adopted by the Board of Aldermen July 18, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 31, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—In reference to the resolution of the Board of Aldermen, adopted on July 18, 1911, requesting an issue of special revenue bonds to an amount of $556, to be used by the Commissioner of Parks, Boroughs of Manhattan and Richmond, for the purpose of meeting the increase in wages of Plumbers, I report as follows:

The request is made to enable the Commissioner to comply with the requirements of a resolution adopted by this Board on April 4, 1911, fixing the rate for plumbers in the City Departments at $5.50 per diem, and instructing the heads of the various Departments to provide payment for them at that rate, either out of their annual appropriation, or by an issue of special revenue bonds.

There are at present employed in the Department of Parks, Boroughs of Manhattan and Richmond, five Plumbers, who are paid at the rate of $5 per diem. An amount of $547.50 will be necessary to pay them the increase of 50c. per day from April 4, 1911, to December 31, 1911, figured on the allowance in the Budget of four Plumbers for 277 days, and one for 365 days.

I recommend the adoption of the attached resolution concurring in the resolution of the Board of Aldermen, to the extent of $547.50, and providing a schedule of wages paid from other than Budget appropriations.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 18, 1911, requesting an issue of special revenue bonds in the sum of five hundred and fifty-six dollars ($556), the proceeds whereof to be used by the Department of Parks, Manhattan and Richmond, for the purpose of meeting increase in wages of Plumbers for remainder of year 1911, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment to the extent of five hundred and forty-seven dollars and fifty cents ($547.50), 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 five hundred and forty-seven dollars and fifty cents ($547.50), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of a schedule for increase in wages paid from other than Budget appropriations for the Department of Parks, Boroughs of Manhattan and Richmond, for the year 1911, as follows:

Department of Parks, Manhattan and Richmond.

Increase in wages, regular employees, paid from special revenue bonds—

Plumbers, from $5 to $5.50 per diem, 50c per day (1,095 days)	$547 50

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting an issue of $2,054 special revenue bonds (subdivision 8, section 188 of the Charter), for the payment of extra time work performed by Mechanics at pumping stations of the Department of Water Supply, Gas and Electricity, during the year 1911, together with a report of the Comptroller recommending that the Board approve of and concur in said resolution, to the extent of $400; also recommending approval of a schedule for the fund:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of two thousand and fifty-four ($2,054) dollars, the proceeds whereof to be used by the Department of Water Supply, Gas and Electricity for the purpose of paying extra time for work performed by Mechanics at pumping stations during 1911.

Adopted by the Board of Aldermen July 18, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 31, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 18, 1911, the Board of Aldermen adopted a resolution requesting special revenue bonds to the amount of $2,054, the proceeds to be used by the Department of Water Supply, Gas and Electricity for the purpose of paying extra time for work performed by Mechanics at pumping stations during 1911, viz.:

3 Machinists, at $4.50, (52 days extra)	$702 00
6 Machinist's Helpers, at $3 (52 days extra)	936 00
1 Pipefitter, at $5 (52 days extra)	260 00
1 Pipefitter's Helper, at $3 (52 days extra)	156 00
	$2,054 00

In reference thereto I report as follows:

The 1911 Budget allowance for account No. 496, Water Supply, Boroughs of Manhattan and The Bronx, Collection and Storage, Pumping Stations, Wages, Temporary Employees, provided 10 days temporary employment for Machinists, Machinists' Helpers, Pipefitters and Pipefitters' Helpers.

In his communication to the Board of Aldermen, the Commissioner of Water Supply, Gas and Electricity states:

"This allowance is insufficient, owing to the greatly increased pumpage in all the stations, which requires that the pumps be maintained in service practically every day in the year, so that it is necessary to do a large amount of the repair work on holidays, Sundays and at night, in order that the pumps may be kept in service."

The payroll for the week ending July 26, 1911, chargeable to No. 496 shows the following expenditures:

Line Item.	Allowance.	Expended.
Machinists' Helpers, at $4.50 per day (30 days)	$135 00	$114 15
Machinists' Helpers, at $3 per day (60 days)	180 00	178 44
Pipefitters, at $5 per day (10 days)	50 00	30 61
Pipefitters' Helpers, at $3 per day (10 days)	30 00	16 49

It is stated however, overtime work of Machinists Helpers, to the amount of $27 since May 10, 1911, has not yet been paid for on account of the exhaustion of the fund for their temporary employment on that date.

At the request of my Examiner a revised estimate of the additional amount now required has been made by the Engineer in charge of Pumping Stations, as follows:

Machinists, at $4.50 per day (20 days)	$90 00
Machinists' Helpers, at $3 per day (93 days)	279 00
Pipefitters, at $5 per day (5 days)	25 00
Pipefitters' Helpers, at $3 per day (2 days)	6 00
	$400 00

I recommend the adoption of the attached resolution concurring, to the amount of $400, in the resolution adopted by the Board of Aldermen, and approving a supporting schedule for the additional appropriation. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 18, 1911, requesting an issue of special revenue bonds in the sum of two thousand and fifty-four dollars ($2,054), the proceeds whereof to be used by the Department of Water Supply, Gas and Electricity for the payment of extra time work performed by mechanics at pumping stations during 1911, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, to the amount of four hundred dollars ($400), for Sunday, holiday and overtime work, 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 four hundred dollars ($400), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule for employees of the Department of Water Supply, Gas and Electricity, paid from special revenue bond funds for the year 1911, to be effective as of May 10, 1911, as follows:

Department of Water Supply, Gas and Electricity.

Water Supply, Boroughs of Manhattan and The Bronx, Collection and Storage, Pumping Stations—
Wages, Temporary Employees, Special Revenue Bond Force for Sunday, Holiday and Overtime Work:
Machinists at $4.50 per day (20 days).
Machinists' Helpers at $3 per day (93 days).
Pipefitters at $5 per day (5 days).
Pipefitters' Helpers at $3 per day (2 days).

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of the Comptroller recommending, that the Board approve of and concur in the resolution of the Board of Aldermen requesting an issue of $14,972.25 special revenue bonds (subdivision 8, section 188 of the Charter), to provide for the repairing and resurfacing of Thompson avenue and Hoffman boulevard, from the Queensboro Bridge plaza to Jamaica avenue, under the jurisdiction of the President of Queens; also recommending approval of a schedule for the fund:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to an amount not to exceed fourteen thousand nine hundred and seventy-two dollars and twenty-five cents ($14,972.25), the proceeds whereof to be used by the Borough President of Queens, under the appended schedules of time, material and labor, for the purpose of expediting and completing the work of repairing and surfacing Thompson avenue and Hoffman boulevard, from the Queensboro Bridge plaza to Jamaica avenue.

Unanimously adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Board of Aldermen adopted a resolution requesting the issue of $14,972.25 special revenue bonds, to be used by the President of the Borough of Queens for repairing and resurfacing Thompson avenue and Hoffman boulevard, from Queensboro Bridge plaza to Jamaica avenue.

On July 20, 1911, I reported to your Board in relation to the proposed improvement, as follows:

"For several months there has been an increasing clamor of protest from all parts of the City and from outlying sections, regarding the bad condition of the thoroughfare in the Borough of Queens known as Hoffman boulevard, which appears on the City maps as 'Thompson avenue and the Hoffman boulevard.' This street runs from the Queensboro Bridge plaza directly through the centre of the Borough of Queens to Hillside avenue and Jamaica avenue, forming with these streets the central and principal avenue of street communication between the Borough of Manhattan and the outlying sections of the Borough of Queens and central Long Island. It is the only direct route for automobiles and vehicles of all sorts from the Borough of Manhattan to Long Island.

"Its present condition is such as to make it almost impassable to automobiles, and extremely difficult of transit for other vehicles. So dangerous has its condition become during the past few months that the Automobile Club of America has found it necessary to issue a special bulletin warning automobilists to avoid it, even at the extreme inconvenience of finding access from Manhattan Island to the main thoroughfares of Long Island by the devious routes through the Borough of Brooklyn.

"The Long Island Real Estate Exchange, representing many of the principal property owners in Queens and suburban Long Island, as well as other organizations with similar interests, have made the intolerable condition of this avenue a subject for special meetings, have adopted resolutions calling upon the Borough and City authorities to remedy the evil, and are constantly appealing in every possible way for relief.

"The Borough President of the Borough of Queens and the Commissioner of Public Works assert that they are now doing everything in their power within the limits of their appropriation to repair the street. Their reports show that they have now at work on Thompson avenue and Hoffman boulevard a force of forty-eight men. In the past six weeks, since they began the repair and resurfacing of this avenue, they have renovated nearly two miles from the Queensboro Bridge plaza. At the present rate of progress they will be unable to complete the entire length of about eight and one-half miles from the bridge plaza to Jamaica avenue before the middle of November or the 1st of December.

"It is clear that the loss to The City of New York in depreciation of real estate values, both in the Borough of Queens and suburban Long Island, and the wear and tear on automobiles and other vehicles which find it necessary to pass over this road, is very great. In my opinion it is the plain duty of the City to come to the relief of the Borough authorities of Queens in their effort to put the road in proper condition.

"After consulting with the Borough President and the Commissioner of Public Works in the Borough of Queens, I am of the opinion that the present force employed on their work should be augmented by three additional gangs of laborers, and that these additional gangs should work at separate points along Thompson avenue and Hoffman boulevard. The Commissioner of Public Works states that a gang consisting of twenty-five Laborers, one Foreman and one Assistant Foreman, together with teams, carts, utensils and materials, is the best working unit for this character of work. He estimates that such a gang or working unit should be able to complete at least one mile of resurfacing in a working month of 28 days.

"After careful examination of the estimates of the Commissioner of Public Works, I believe that the repair of the entire avenue can be completed in the manner in which I have outlined within a period of 39 working days.

"In view of the urgent necessity of completing this work of repair as soon as possible, and in view of the character of Thompson avenue and Hoffman boulevard as the principal avenue of vehicular traffic between the Island of Manhattan and central Long Island, I believe that it is just and reasonable that the City at large should bear the burden of the extra expense involved in repairing this avenue within the time mentioned, which is estimated at $14,972.25.

"I therefore offer the following resolution for adoption:

"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 an amount not to exceed fourteen thousand nine hundred and seventy-two dollars and twenty-five cents ($14,972.25), the proceeds whereof to be used by the Borough President of Queens, under the appended schedules of time, material and labor, for the purpose of expediting and completing the work of repairing and resurfacing Thompson avenue and Hoffman boulevard, from the Queensboro Bridge plaza to Jamaica avenue."

On July 20, 1911, your Board adopted a resolution recommending that the Board of Aldermen request the Board of Estimate and Apportionment to issue special revenue bonds for the purpose, to be expended as follows:

Time—	
39 working days.	
Materials—	
6 tar kettles, at $225 each	$1,350 00
3 steam rollers (rental), at $10 per day	1,170 00
1,200 cubic yards broken stone, at $2.65 per cubic yard	3,180 00
Labor—	
3 Foremen, at $4 per day	468 00
3 Assistant Foremen, at $3.25 per day	380 25
75 Laborers, at $2.50 per day	7,312 50
3 teams, at $6 per day	702 00
3 horses and carts, at $3.50 per day	409 50
	$14,972 25

I recommend the adoption of the attached resolution approving the issue of special revenue bonds and establishing a schedule for the fund.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 25, 1911, and approved by the Mayor August 2, 1911, requesting an issue of special revenue bonds in the sum of fourteen thousand nine hundred and seventy-two dollars and twenty-five cents ($14,972.25), the proceeds whereof to be used by the Borough President of Queens, under the appended schedules of Time, Material and Labor, for the purpose of expediting and completing the work of repairing and resurfacing the streets in the Borough of Queens known as Thompson avenue and Hoffman boulevard, from the Queensboro Bridge plaza to Jamaica avenue:

Schedules.

Time—	
39 working days.	
Materials—	
6 tar kettles, at $225 each	$1,350 00
3 steam rollers (rental), at $10 per day	1,170 00
1,200 cubic yards broken stone, at $2.65 per cubic yard	3,180 00
Labor—	
3 Foremen, at $4 per day	468 00
3 Assistant Foremen, at $3.25 per day	380 25
75 Laborers, at $2.50 per day	7,312 50
3 teams, at $6 per day	702 00
3 horses and carts, at $3.50 per day	409 50
	$14,972 25

—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 fourteen thousand nine hundred and seventy-two dollars and twenty-five cents ($14,972.25), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule of wages paid from other than Budget funds in the office of the President of the Borough of Queens, as follows:

President of the Borough of Queens, Bureau of Highways.

Repairing and Resurfacing Thompson avenue and Hoffman boulevard—
Wages, Temporary Employees, Special Revenue Bond Force:
Foremen, 3 at $4 per diem.
Assistant Foremen, 3 at $3.25 per diem.
Laborers, 75 at $2.50 per diem.
Drivers, with teams and trucks, 3 at $6 per diem.
Drivers, with horses and carts, 3 at $3.50 per diem.

Which was adopted by the following vote:

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

The Secretary presented the following resolution of the Board of Aldermen requesting an issue of $100,000 special revenue bonds (subdivision 8, section 188 of the Charter), the proceeds to be used by the Department of Bridges for the purpose of providing means for the maintenance of the New York and Brooklyn Bridge and the Williamsburgh Bridge for the year 1911:

(On July 27, 1911, the Board of Estimate and Apportionment adopted a resolution concurring in the above request, but the resolution of the Board of Aldermen had not been approved by the Mayor as required by the Charter).

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of one hundred thousand dollars ($100,000), the proceeds whereof to be used by the Department of Bridges for the purpose of providing means for maintenance of bridges as follows:

$35,000 to be applied to the expenditure of the New York and Brooklyn Bridge for 1911; $65,000 to be applied to the expenditure of the Williamsburgh Bridge for 1911.

Unanimously adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P. J. SCULLY, Clerk.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Estimate and Apportionment July 27, 1911, which reads as follows:

"Resolved, That the resolution adopted by the Board of Aldermen July 25, 1911, and approved by the Mayor July 26, 1911, requesting an issue of special revenue bonds of The City of New York in the sum of one hundred thousand dollars ($100,000), the proceeds whereof to be used by the Department of Bridges for the maintenance of bridges, as follows:

For the New York and Brooklyn Bridge for 1911	$35,000 00
For the Williamsburgh Bridge for 1911	65,000 00

—be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York, to an amount not exceeding one hundred thousand dollars ($100,000), redeemable from the tax levy of the year succeeding the year of their issue, the proceeds whereof to be applied to the purposes aforesaid."

—be and the same is hereby rescinded.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen July 25, 1911, and approved by the Mayor August 2, 1911, requesting an issue of special revenue bonds of The City of New York in the sum of one hundred thousand dollars ($100,000), the proceeds whereof to be used by the Department of Bridges for the maintenance of bridges as follows:

For the New York and Brooklyn Bridge for 1911	$35,000 00
For the Williamsburgh Bridge for 1911	65,000 00

—be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and the Comptroller be and is hereby authorized, pursuant to the

provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York, to an amount not exceeding one hundred thousand dollars ($100,000), redeemable from the tax levy of the year succeeding the year of their issue, the proceeds whereof to be applied to the purposes aforesaid.

Which was adopted by the following vote:

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

The Secretary presented resolutions (3) of the Board of Aldermen requesting an issue of special revenue bonds (subdivision 8, section 188 of the Charter), for the following purposes:

A—$675 for increases in salaries of five Clerks and one Stenographer in the office, Board of Assessors, during the remainder of the year 1911.

B—$600 for the maintenance of an automobile for the Chief, Bureau of Licenses, Mayor's office, during the remainder of 1911.

C—$1,525 to pay additional salaries in the office of County Clerk, Kings County, as provided by chapter 641, Laws of 1911.

Which were referred to the Comptroller.

The Secretary presented the following resolution of the Board of Aldermen requesting, and report of Comptroller relative to, the issue of $4,500 special revenue bonds, to be used by the Department of Docks and Ferries, for the purpose of paying salaries of six additional Dockmasters at $1,800 each, per annum, during the remainder of the year 1911:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of four thousand five hundred dollars ($4,500), the proceeds whereof to be used by the Department of Docks and Ferries for the purpose of paying salaries of six additional Dockmasters at $1,800 each per annum during remainder of 1911.

Adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P.J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 3, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Board of Aldermen adopted a resolution requesting the Board of Estimate and Apportionment to authorize the Comptroller to issue, in pursuance of the provisions of subdivision 8 of section 188, special revenue bonds to the amount of $4,500, the proceeds to be used by the Department of Docks and Ferries for the purpose of paying the compensation of six additional Dockmasters, at $1,800 each per annum, during the remainder of the year 1911. In connection therewith, I report as follows:

The Department of Docks and Ferries at present employs 15 Dockmasters at $2,100 each, and 8 Dockmasters at $1,800 each per annum. It is proposed to increase the number of Dockmasters at $1,800 each per annum, from eight to fourteen. Relative to this increase, the Commissioner of Docks states that it is to provide for the retention in office of six incumbents, all over fifty-eight years of age, who have served the City continuously from 10 to 28 years, and are no longer qualified to continue in their present responsible position; that a Dockmaster, in whom is vested certain powers by the Greater New York Charter, is placed in charge of each district; that to each Dockmaster is assigned a Laborer, whose duties are, in addition to his regular work as caretaker, to attend to the receipt of application for berths, wharfage, etc.; that he proposes to require these six men, three of whom are Civil War Veterans, to fulfill the duties now performed by the Laborers; that the six additional Dockmasters requested will then take up the active outside work of the six men referred to herein. The Commissioner further states that owing to the unfortunate absence of a pension system, and the requirements by law that Civil War veterans must be appointed to vacancies and cannot be discharged, except upon specific causes, after formal trial, this seems to be the only practical way to meet the difficulty, especially as five of the men referred to are undoubtedly deserving of consideration from a city which they have served so long and faithfully.

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

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 25, 1911, and approved by the Mayor August 2, 1911, requesting an issue of special revenue bonds in the sum of four thousand five hundred dollars ($4,500), the proceeds whereof to be used by the Department of Docks and Ferries for the purpose of paying salaries of six additional Dockmasters at $1,800 each per annum, during the remainder of the year 1911, 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 four thousand five hundred dollars ($4,500), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Public Service Commission requesting the Board to consent to the proposed contract with the Oscar Daniels Company for the construction of Section 12, Route 5, of the proposed Lexington Avenue Rapid Transit Railroad, and to authorize the issue of $2,825,740.74 corporate stock for the estimated expense of executing said contract, together with a report of the Comptroller recommending the approval of said request:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, August 1, 1911.

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

The Public Service Commission for the First District herewith transmite to you for your consent, as required by law, a proposed contract between The City of New York and Oscar Daniels Company for the construction at the public expense of Section 12 of Route 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Lexington avenue from E. 106th street to E. 118th street, in the Borough of Manhattan.

The Public Service Commission for the First District further requests your honorable Board to consent to the said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit, the sum of two million eight hundred twenty-five thousand seven hundred forty and 74-100 dollars ($2,825,740.74); and also to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of the said portion of such railroad.

And the Public Service Commission for the First District does hereby, pursuant to section 45 of the Gerater New York Charter, make request for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense of executing such contract, to wit, the sum of two million eight hundred twenty-five thousand seven hundred forty and 74-100 dollars $2,825,740.74).

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 1st day of August, 1911.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by W. R. WILLCOX, Chairman. Attest: TRAVIS H. WHITNEY, Secretary.

After consideration of the bids on Section 12 of Route 5, the following resolution was duly moved and seconded:

Resolved, That this Commission hereby accepts the proposal of Oscar Daniels Company, dated October 27, 1910, for the construction of Section 12 of Route 5, being that portion of the proposed Lexington Avenue Rapid Transit Railroad which extends under Lexington avenue from E. 106th street to E. 118th street in the Borough of Manhattan, the aggregate of the unit prices in the proposal amounting to two million and eight hundred and twenty-five thousand seven hundred and forty and 74-100 dollars ($2,825,740.74).

Resolved, That the Chairman and the Secretary be and they are hereby authorized on behalf of the Commission to execute a contract in the form attached to the said proposal and to deliver the same if and when consented to by the Board of Estimate and Apportionment and upon compliance by the said Oscar Daniels Company with the requirements of the Invitation to Bidders attached to the said proposal.

Resolved, That the Chairman and Secretary be and they hereby are authorized and directed to request the Board of Estimate and Apportionment to consent to the said contract and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract, to wit, the sum of two million eight hundred and twenty-five thousand seven hundred and forty and 74-100 dollars ($2,825,740.74); and also to request the said Board of Estimate and Apportionment to direct the Comptroller of The City of New York to issue the bonds of said City at such a rate of interest as the Board of Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means for construction at the public expense of the said portion of such railroad; and also to make request for the authorization of bonds for the full amount sufficient to pay the entire estimated expense of executing such contract, to wit, the sum of two million eight hundred and twenty-five thousand seven hundred and forty and 74-100 dollars ($2,825,740.74).

Resolved, That the Secretary give notice to the said Oscar Daniels Company that its proposal has been accepted and the contract awarded to it by this Commission, subject to its being consented to by the Board of Estimate and Apportionment as required by law.

Resolved, That it be referred to Counsel to the Commission to inquire into the sufficiency of the sureties proposed to be given by the said Oscar Daniels Company and in case the sureties named in the proposal of the said Oscar Daniels Company or any of them are not approved by the Commission, then to inquire into the sufficiency of any other or substitute sureties and in behalf of the Commission to do any such act as may be necessary and incidental to the furnishing of a proper bond.

Ayes—Commissioners Willcox, McCarroll, Maltbie, Cram.

Nays—None.

Carried.

State of New York, County of New York, ss.:

I, Travis H. Whitney, Secretary of the Public Service Commission for the First District, do hereby certify, that I have compared the above with the original adopted by said Commission on August 1, 1911, and that it is a correct transcript therefrom and of the whole of the original.

In Testimony Whereof, I have hereunto subscribed my hand and affixed the seal of the Commission, this 1st day of August, 1911.

[SEAL] TRAVIS H. WHITNEY, Secretary.

INVITATION TO CONTRACTORS.

Parts of Lexington Avenue Route.

The City of New York, acting by the Public Service Commission for the First District (hereinafter called "the Commission") invites proposals to construct portions of a proposed rapid transit railroad in the Boroughs of Manhattan and The Bronx in The City of New York. Proposals may be submitted separately for any one or more of the separate sections of which such railroad consists as hereinafter stated.

The points within the City between which the said several parts are to run and the route or routes to be followed are briefly as follows:

Lexington Avenue Route.

(Route No. 5.)

Section 1 begins under Battery Park and extends thence under Battery place, Greenwich street, Trinity place and Church street to a point about 80 feet north of the centre line of Dey street; with a station in Battery Park, a station at Rector street and a station at Cortlandt and Dey streets.

Section 2 begins at the end of Section 1 and extends thence under Church street, private property, Vesey street, private property, and Broadway to a point under Broadway about 110 feet north of the centre line of Walker street; with a station at Murray and Warren streets.

Section 2-A begins at the end of Section 2 and extends thence under Broadway to a point about on the northerly building line of Howard street. This section includes the Canal street station and also the portion of the Canal street subway lying thereunder.

Section 3 begins at the end of Section 2-A and extends thence under Broadway to a point about midway between Houston and Bleecker streets; with a station at Prince street.

Section 4 begins at the end of Section 3 and extends thence under Broadway, private property and the several cross streets to a point under private property at the southerly line of East 14th street and Irving place; with a station at Astor place and East 8th street.

Section 5 begins at the end of Section 4 and extends thence under Irving place, Gramercy Park and Lexington avenue to a point about 140 feet north of the centre line of East 26th street; with a station at East 14th and East 15th streets and a station at East 23d street.

Section 6 begins at the end of Section 5 and extends thence under Lexington avenue to about the centre line of East 40th street; with a station at East 27th and East 28th streets and a station at East 34th street.

Section 7 begins at the end of Section 6 and extends thence under Lexington avenue to a point about 50 feet north of the centre line of East 53d street; with a station at East 42d and 43d streets and a station at East 51st street.

Section 8 begins at the end of Section 7 and extends thence under Lexington avenue to a point about 50 feet north of the centre line of East 67th street; with a station at East 58th and East 59th streets.

Section 9 begins at the end of Section 8 and extends thence under Lexington avenue to a point about 70 feet south of the centre line of East 79th street; with a station at East 68th and East 69th streets and a station at East 77th street.

Section 10 begins at the end of Section 9 and extends thence under Lexington avenue to a point about 50 feet south of the centre line of East 93d street; with a station at East 86th street.

Section 11 begins at the end of Section 10 and extends thence under Lexington avenue to a point about 70 feet south of the centre line of East 106th street; with a station at East 96th street and a station at East 102d and East 103d streets.

Section 12 begins at the end of Section 11 and extends thence under Lexington avenue to a point about 115 feet south of the centre line of East 118th street; with a station at East 110th and East 111th streets and a station at East 116th street.

Section 13 begins at the end of Section 12 and extends thence under Lexington avenue to a point about 120 feet south of the centre line of East 129th street; with a station at East 125th street.

Section 14 begins at the end of Section 13 and extends thence under Lexington avenue, private property and the Harlem River to a point in private property in the Borough of The Bronx, thence under private property and Park avenue to East 135th street. Here the line divides into two branches. The west branch begins at about the centre line of East 135th street and extends thence under private property to a point in private property a distance of about 655 feet from the centre line of East 135th street and about 50 feet west of the centre line of Mott avenue. The east branch extends under Park avenue and partly under private property to about the intersection of the easterly line of Mott avenue with the westerly line of Park avenue.

Section 15. This section consists of two branches. The west branch begins at the end of the west branch of Section 14 and extends thence under East 138th street, private property and Mott avenue, Franz Sigel Park, private property and the several cross streets to a point in private property on the easterly side of River avenue about 120 feet south of the south line of East 157th street; with a station at East 138th street and East 149th street. (The portion of this section north of East 151st street is part of the River Avenue Route adopted by the Commission

on the 16th day of June, 1908.) The east branch begins at the end of the east branch of Section 14 and extends thence under Park avenue, private property, Canal Street West and East 138th street to a point in East 138th street about 150 feet easterly of the centre line of Alexander avenue, with a station between 3d and Alexander avenues.

The general plan of construction calls for a subsurface railroad having two tracks between Battery Park and Chambers street in Manhattan, and four tracks from Chambers street, in Manhattan, to 135th street and Park avenue in The Bronx, with the branches in The Bronx having in the main three tracks each. Turnouts, cross-overs, connections, sidings, loops, etc., will be constructed, all of which are more particularly indicated on the contract drawings.

For Section 14 two plans, designated Type H and Type K, respectively, have been prepared. The bidders for such section may submit a proposal for either or both of such types. After a comparison of the bids the Commission will determine which of such plans shall be adopted.

Bidders for the several sections will not be required to do the station finish work, nor to provide or lay tracks, ties or ballast.

The work of construction under the contract shall include the construction of all necessary sewers and connections, along the route of the railroad; also the necessary support, maintenance, readjustment and reconstruction of vaults adjacent to buildings, pipes, tubes, conduits, subways or other subsurface structures; the support and care, including underpinning where necessary, of all buildings, monuments, surface, subsurface and elevated railroads and other structures, etc., affected by or interfered with during the construction of the work; also the restoration of the sidewalks and the temporary paving and maintenance of roadways.

The method of construction will be partly by trench excavation (under cover, unless otherwise specified in the form of contract or permitted by the Commission), and partly by tunnel, as set forth in the forms of contract.

Bidders must examine the form of contract, specifications, maps and plans; must visit the location of the work and inform themselves of the present conditions along the line thereof and make their own estimates of the facilities and difficulties attending the execution of the proposed work.

A fuller description of the work to be done is set forth, and other requirements, provisions, details and specifications are stated, in the printed form of contract and in the contract drawings therein referred to. Printed copies of the forms of contract, bond and contractor's proposal, may be had on application at the office of the Commission, 154 Nassau street, Borough of Manhattan, City of New York. The contract drawings may be inspected at the same office, and copies thereof may be purchased by prospective bidders by payment of five dollars ($5) for the contract drawings for each section. The printed form of contract and the contract drawings are to be deemed a part of this invitation.

The Commission is informed by the Department of Docks and Ferries that docks and bulkheads along the East River may be available for dumping purposes. Information in regard thereto may be obtained by any intending bidder upon inquiry at the office of the Commission.

Partial payments to the Contractor will be made monthly as the work proceeds, as provided in the form of contract.

The Contractor for any section or sections will be required to complete the work as soon as practicable and within the time hereinafter prescribed for such completion.

Sealed bids or proposals will be received at the office of the Commission at 154 Nassau street, Borough of Manhattan, City of New York, until the 27th day of October, 1910, at twelve (12) o'clock noon, at which time, or at a later date to be fixed by the Commission, the proposals will be publicly opened.

Proposals must be in the form prescribed by the Commission, copies of which may be obtained at the office of the Commission.

A statement, based upon the estimate of the Engineer, of the quantities of the various classes of the work and of the nature and extent as near as practicable of the work required for each section, is to be found in the schedules forming a part of the form of Contractor's Proposal. The quantities given in such schedules are approximate only, being given as a basis for the uniform comparison of bids and no claim is to be made against the City on account of any excess or deficiency, absolute or relative, in the same, except as provided in the specifications and form of contract.

All proposals must, when submitted, be enclosed in a sealed envelope endorsed: "*Proposal for Constructing Rapid Transit Railroad—Route 5, Section —**," and must be delivered to the Commission or its Secretary; and in the presence of the person submitting the proposal, it will be deposited in a sealed box in which all proposals will be deposited. No proposal will be received or deposited unless accompanied by a separate certified check for each section bid upon, drawn upon a national or state bank or trust company having its principal office in The City of New York, satisfactory to the Commission and payable to the order of the Comptroller of The City of New York for the amount herein specified for the section for which a proposal is made. Such check must not be enclosed in the envelope containing the proposal.

The Unit Prices must not be improperly balanced, and any bid which the Commission considers detrimental to the City's interests may be rejected.

No proposal, after it shall have been deposited with the Commission, will be allowed to be withdrawn for any reason whatever.

The award of the contract or contracts will be made by the Commission as soon as practicable after the opening of the proposals.

Bidders whose proposals are otherwise satisfactory, in case the sureties named by them are not approved by the Commission, may substitute in their proposals the names of other sureties approved by the Commission, but such substitution must be made within five days after notice of disapproval, unless this period is extended by the Commission.

A bidder whose proposal shall be accepted shall, in person or by duly authorized representative, attend at the said office of the Commission within ten days after the delivery of a notice by the Commission that his proposal is accepted and that the contract is consented to by the Board of Estimate and Apportionment, and such bidder shall then deliver a contract in the form referred to, duly executed and with its execution duly proved.

At the time of the delivery of the contract, the Contractor will be required to furnish security to the City by giving a bond for the amount hereinafter stated. The Contractor's bond must be in the form annexed to the form of contract.

In addition and as further security to the City, ten (10) per cent. of the amount certified from time to time to be due to the Contractor will be retained until the work is fully completed and accepted.

Schedule Indicating Time Allowed for Completion, the Amount of Bond and the Amount of Certified Check for Each of the Several Sections.

Route 5.	Time for Completion, Months.	Amount of Bond.	Amount of Certified Check.
Section 1	42	$500,000 00	$15,000 00
Section 2	42	600,000 00	15,000 00
Section 2A	42	250,000 00	10,000 00
Section 3	42	300,000 00	10,000 00
Section 4	36	300,000 00	10,000 00
Section 5	42	300,000 00	10,000 00
Section 6	42	350,000 00	10,000 00
Section 7	42	350,000 00	10,000 00
Section 8	42	300,000 00	10,000 00
Section 9	42	300,000 00	10,000 00
Section 10	42	300,000 00	10,000 00
Section 11	42	300,000 00	10,000 00
Section 12	42	400,000 00	12,500 00
Section 13	42	400,000 00	12,500 00
Section 14	42	500,000 00	15,000 00
Section 15	42	500,000 00	15,000 00

In case of failure or neglect to execute and deliver the contract or to execute and deliver the required bond, such bidder will, at the option of the Commission, be deemed either to have made the contract or to have abandoned the contract. In the latter case, the Commission will give notice thereof to such defaulting bidder, and the Commission may thereupon proceed to make another contract with such, if any, of the original bidders, as, in the opinion of the Commission, it will be to the best interests of the City to contract with, or may by new advertisement invite further proposals. The defaulting bidder shall thereupon be liable to the City for all loss and damage by it sustained, including the excess, if any, of the amount it shall pay any other Contractor over the amount of the bid of such defaulting bidder.

If the Commission shall give notice to any bidder that his or its proposal is accepted and that the contract is consented to by the Board of Estimate and Apportionment, and if the bidder shall fail within ten days thereafter or within such further period, if any, as may be prescribed by the Commission, to execute and deliver the contract and to execute and deliver the bond with sureties, then this Invitation to Contractors and proposal accepted as aforesaid shall be a contract binding the bidder to pay to the City the damage by it sustained by reason of such failure, and in such case the bidder shall, by the terms of the proposal, absolutely assign to the City the ownership of the check accompanying his or its proposal as a payment on account of such damages.

All such deposits made by bidders whose proposals shall not be accepted by the Commission will be returned to the person or persons making the same within five days after the contract shall be executed and delivered. The deposit of the successful bidder will be returned when the contract is executed and its provisions as to security are complied with.

The right to reject any and all bids is reserved.

New York, September 1, 1910.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by WILLIAM R. WILLCOX, Chairman; TRAVIS H. WHITNEY, Secretary.

*To be filled in with the Section number for which the proposal is made.

RAPID TRANSIT RAILROAD.

Contract—Route No. 5. Section No. 12.

Agreement, made this.....day of....., 1910, 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 Oscar Daniels Company, hereinafter called the Contractor, party of the second part.

Whereas, The Commission in behalf of the City by due advertisement, pursuant to law, has invited contractors to submit to the Commission proposals for making this contract; and

Whereas, The Contractor has thereupon duly submitted to the Commission a proposal, which has been accepted; and

Whereas, The Board of Estimate and Apportionment of The City of New York has consented to this contract;

Now, therefore, in consideration of the mutual covenants and agreements hereinafter contained, and under the authority of chapter 4 of the Laws of 1891, entitled, "An Act to provide for Rapid Transit Railways in Cities of over One Million Inhabitants," and of the various acts amending the same, the parties do hereby, the City for itself and its successors and the Contractor for itself, its successors and assigns, agree each with the other as follows:

I.—GENERAL PROVISIONS AND DEFINITIONS.

Outline of Contract.

Article 1. The Contractor agrees to construct the part hereinafter described of a Rapid Transit Railroad, with its appurtenances. The City agrees to pay to the Contractor the sums of money hereinafter mentioned at the times and in the manner and upon the terms and conditions hereinafter set forth.

Brief Description of Works.

Article 2. The Railroad to be constructed under this contract forms a part of a certain route adopted by the Board of Rapid Transit Railroad Commissioners for The City of New York on May 12, 1905, and which, as modified, is known as the Lexington Avenue Route—or Route No. 5. The part to be constructed under this contract consists of Section No. 12.

Section No. 12—106th Street to 118th Street.

Beginning at a point about 70 feet south of the centre line of 106th street, thence under Lexington avenue to a point about 115 feet south of the centre line of 118th street; with stations at East 110th and East 111th streets, and East 116th street.

The precise location of the tracks, and the dimensions and other characteristics of the Railroad are more fully stated in the specifications forming a part of this contract, and in the detailed drawings and plans hereinafter mentioned.

Statutes Incorporated Herein.

Article 3. 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 4. Titles, headings, running headlines and marginal notes are printed hereon merely for convenience and shall not be deemed to be any part of this contract for any purpose whatever.

Definitions of Words.

Article 5. 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 to 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 any and every person or corporation who or which shall at any time be liable in the place or for the party of the second part to perform any obligations under this contract assumed by the said party of the second part. For convenience the Contractor is hereinafter referred to as if the Contractor were an individual. The word "he" shall, as the sense may require, include "it," "she" and "they;" the word "him" shall include "her," "it" and "them;" and the word "his" shall include "its," "her" and "their."

"Comptroller."

(4) The word "Comptroller" to mean the Comptroller of The City of New York, and the officer or board to whom or to which his powers now existing under the Rapid Transit Act shall come to appertain.

"Engineer."

(5) The word "Engineer" to mean the Chief Engineer of the Commission or his duly authorized representative and any successor or successors duly appointed or any deputy or substitute for him who shall be appointed by the Commission or by its authority.

"Rapid Transit Act."

(6) The words "Rapid Transit Act" to mean chapter 4 of the Laws of 1891 as amended by 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, chapter 429 of the Laws of 1907, chapter 498 of the Laws of 1909, and chapters 205, 504, 505 and 506 of the Laws of 1910, or as heretofore otherwise amended.

"Railroad."

(7) The word "Railroad" to mean the part which the Contractor agrees by this contract to build, together with the station or stations to be built in conjunction therewith, and all appurtenances thereto which are to be constructed or provided by the Contractor.

"The Works."

(8) The words "the Works" to mean all of the matters and things herein agreed to be furnished or done by or on the part of the Contractor.

"New York."

(9) The words "New York" to mean The City of New York according to its boundaries at the date of this contract.

"Daily Newspaper."

(10) The words "daily newspaper" to mean any paper regularly published in New York on every day or every day except Sundays and holidays.

"Notice." "Direction."

(11) The word "notice" to mean a written notice. The word "direction" to mean a written direction.

Wherever in the specifications or upon the drawings the words "directed," "required," "permitted," "ordered," "designated," "prescribed" or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation or prescription of the Engineer is intended, and similarly the words "approved," "acceptable," "satisfactory" or words of like import shall mean approved by or acceptable or satisfactory to the Engineer.

Legal Address of Contractor. Address May be Changed. Service Upon Contractor Personally.

Article 6. The address given in the bid or proposal, upon which this contract is founded, is hereby designated as the place where all notices, directions and other communications to the Contractor shall be certified, mailed or delivered. The delivering at the above-named place or depositing in a post-paid wrapper directed to the above place, in any post office box regularly maintained by the Post Office Department, of any notice, letter or other communication to the Contractor, shall be deemed sufficient service thereof upon the Contractor. Such address may be changed at any time by an instrument in writing executed and acknowledged by the Contractor and delivered to the Commission. Nothing herein contained shall be deemed to preclude or render inoperative the service of any notice, direction or other communication upon the Contractor personally.

Contractor Responsible for Acts of Subcontractor's Employees.

Article 7. 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.

Commission May Disapprove Subcontractors.

Article 8. The Contractor, before making any subcontract of the work, shall state in writing to the Commission the name of the proposed subcontractor, the portion of the work which such subcontractor is to do or the materials which such subcontractor is to furnish, the place of business of such subcontractor and such other information as the Commission may require. The Commission shall have the right to require the Contractor not to award any subcontract to a person, firm or corporation disapproved of by the Commission.

II.—Work to be Done, Price, Etc.

Work to be Done.

Article 9. 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 the 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, the said contract drawings may from time to time be altered or modified as hereinafter provided.

Construction Includes Sewer and Other Incidentals.

Article 10. In order to construct the railroad it will be necessary to take up and relay the sidewalk pavement or other surface material, and to lay and maintain a temporary pavement in the roadway, to protect, support and maintain during construction all buildings and other structures, including their foundations, and all elevated and surface and subsurface railroads, water mains, gas pipes, electric subways, poles and wires, pneumatic tubes, steam pipes, vaults, including vaults of abutting property, and other surface, subsurface and overhead structures, together with their necessary connections, as the same may be met with along the route; to build sewers both along the route and other streets; to make or remake the necessary manholes, catch basins and other sewer connections therewith; to move, alter, readjust or rebuild water mains, gas pipes, electric subways, pneumatic tubes, steam pipes, vaults, including vaults of abutting property, and other subsurface structures, together with their necessary connections; and to do all such additional and incidental work as may be necessary for the completion of the railroad and the reconstruction and restoration of the street pavements or other surfaces (except as herein provided in respect of temporary pavements for roadways), adjacent to the route of the railroad and which may have been directly or indirectly disturbed or injured by the Contractor in the progress of the work of construction, to as useful and good a condition as existed before construction shall have been begun. All such work of every description, including underpinning wherever necessary, of all buildings or structures of whatsoever nature, monuments, elevated railroads and surface and subsurface railroads affected by or interfered with during the construction of the railroad, is part of the work which is included in this contract and which the Contractor agrees to perform for the prices herein agreed upon.

Prices.

Article 11. The City will pay and the Contractor shall receive in full compensation for furnishing the necessary plant and all the materials and labor, and for performing and completing all the work which is necessary or proper to be furnished or performed in order to complete the railroad (including all incidental work) and also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements or from any unforeseen obstruction or difficulty encountered in the prosecution of the work, and for all risks of any description connected with the work, and for all expenses incurred by or in consequence of the suspension or discontinuance of the work as herein specified, the following prices, to wit:

Schedule of Unit Prices.

Item 1.—For earth excavation above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., the sum of three dollars and eighty cents ($3.80) per cubic yard.

Item 2. For earth excavation below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., the sum of six dollars ($6) per cubic yard.

Item 2-A. For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., the sum of four dollars ($4) per cubic yard.

Item 3. For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., the sum of six dollars and fifty cents ($6.50) per cubic yard.

Item 4. For underpinning buildings, including all incidental work and material, as follows:

(a) For buildings less than seven (7) stories in height the sum of eighty-two dollars and fifty cents ($82.50) per lineal front foot of building underpinned.

Item 6. For concrete masonry, in place, the sum of nine dollars and fifty cents ($9.50) per cubic yard.

Item 7. For protective concrete masonry, in place, outside of waterproofing, the sum of nine dollars and fifty cents ($9.50) per cubic yard.

Item 8. For rubble stone masonry, in place, the sum of six dollars and fifty cents ($6.50) per cubic yard.

Item 9. For brick masonry, in place, the sum of ten dollars ($10) per cubic yard.

Item 10. For hollow terra cotta brick masonry, in place, the sum of ten dollars ($10) per cubic yard.

Item 12. For timber piles, in place and prepared, the sum of fifty cents ($0.50) per lineal foot.

Item 13. For timber foundations, placed and fastened, the sum of seventy dollars ($70) per thousand feet, board measure.

Item 14. For broken stone or gravel, in place, other than that used in concrete, the sum of two dollars ($2) per cubic yard.

Item 15. For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:

(a) For one-ply, the sum of thirty-five cents ($0.35) per square yard.

(b) For two-ply, the sum of sixty cents ($0.60) per square yard.

(c) For three-ply, the sum of eighty cents ($0.80) per square yard.

(d) For four-ply, the sum of one dollar ($1) per square yard.

(e) For five-ply, the sum of one dollar and twenty cents ($1.20) per square yard.

(f) For six-ply, the sum of one dollar and forty cents ($1.40) per square yard.

Item 16. For waterproofing, brick laid in asphalt mastic, in place, the sum of twenty-seven dollars ($27) 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 ninety cents ($0.90) per lineal foot.

(b) For ten (10) inch vitrified pipe, the sum of ninety cents ($0.90) 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 seventy cents ($0.70) per lineal foot.

(e) For four (4) inch vitrified pipe, the sum of sixty cents ($0.60) per lineal foot.

(g) For six (6) inch cast-iron pipe, the sum of one dollar ($1) per lineal foot.

(h) For four (4) inch cast-iron pipe, the sum of sixty cents ($0.60) per lineal foot.

Item 18. For tunnel ducts, in place, as required by section 305 of the specifications, the sum of nine cents ($0.09) per duct foot.

Item 19. For riveted steel, painted and erected, the sum of seventy-four dollars ($74) per ton of two thousand pounds.

Item 20. For steel beams and shapes with connections, painted and erected, the sum of seventy dollars ($70) per ton of two thousand pounds.

Item 21. For steel rods and bars built in concrete, the sum of fifty dollars ($50) per ton of two thousand pounds.

Item 25. For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes, in place, the sum of forty dollars ($40) per ton of two thousand pounds.

Item 26. For wire mesh, in place the sum of five cents ($0.05) 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 eighty cents ($0.80) 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 seventy-five cents ($1.75) per square foot.

Item 30. For street surface restored:

(a) For street surface, except roadways, the sum of two dollars and fifty cents ($2.50) per square yard.

(b) For temporary restoration and maintenance of roadways, the sum of one dollar and twenty-five cents ($1.25) per square yard.

Item 32. For wrought-iron or fibre electric conduits, in place, in stations as follows:

(a) For three-fourths (¾) inch wrought-iron conduits, the sum of ten cents ($0.10) per lineal foot.

(b) For one and one-half (1½) inch wrought-iron conduits the sum of eighteen cents ($0.18) per lineal foot.

(c) For two (2) inch wrought-iron conduits the sum of twenty cents ($0.20) per lineal foot.

(d) For two (2) inch fibre conduit the sum of ten cents ($0.10) 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 34. For six (6) inch cast-iron pipe and fittings, including specials "extra heavy," in place, one dollar and fifty cents ($1.50) per lineal foot.

Sewers—Items 37 to 74.

Vitrified and Cast-Iron Pipe.

Items 37 to 43.

Item 38. For fifteen (15) inch vitrified pipe sewer, the sum of two dollars and seventy-five cents ($2.75) per lineal foot.

Item 39. For eighteen (18) inch vitrified pipe sewer, the sum of three dollars ($3) per lineal foot.

Item 42. For cast-iron sewer pipe (straight pipe), in place, in the work, the sum of forty-five dollars ($45) per ton of two thousand pounds.

Item 43. For cast-iron sewer pipe (special castings), in place, in the work, the sum of fifty-five dollars ($55) per ton of two thousand pounds.

Egg-Shaped Brick or Concrete Sewers.

Items 44 to 51.

Item 45. For 3 feet 6 inch by 2 feet 4 inch, the sum of six dollars ($6) per lineal foot.

Additional Sewer Construction.

Items 73 and 74.

Item 73. For six (6) inch centrifugal pump and motor and appurtenances, in place complete, capacity 1,000 gallons per minute against 20 feet head, power—550 volts D. C., the sum of thirteen hundred dollars ($1,300).

Item 74. For eight (8) inch centrifugal pump and motor and appurtenances, in place complete, capacity 1,800 gallons per minute against 20 feet head, power—550 volts D. C., the sum of fifteen hundred dollars ($1,500).

Surface and Subsurface Structures.

Items 75 and 76.

Item 75. For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed, in excess of the number existing), as follows:

(a) For electric railroads, the sum of eleven dollars ($11) per lineal foot of single track.

(b) For horse railroads, the sum of six dollars ($6) per lineal foot of single track.

Pipes in Streets—Items 77 to 126.

For Work and Material as Called for by Section 71 of the Specifications.

Water and Gas Pipes.

Items 77 to 108.

Water Pipes.

Items 77 to 88.

For water pipes, in place, as follows:

Item 78. For 4-inch water pipe, the sum of sixty cents ($0.60) per lineal foot.

Item 79. For 6-inch water pipe, the sum of one dollar ($1) per lineal foot.

Item 82. For 12-inch water pipe, the sum of two dollars and twenty-five cents ($2.25) per lineal foot.

Item 84. For 20-inch water pipe, the sum of three dollars and seventy-five cents ($3.75) per lineal foot.

Gas Pipes.

Items 89 to 99.

For gas pipes in place, as follows:

Item 90. For 4-inch gas pipe, the sum of sixty cents ($0.60) per lineal foot.

Item 91. For 6-inch gas pipe, the sum of one dollar and twenty cents ($1.20) per lineal foot.

Item 92. For 8-inch gas pipe, the sum of one dollar and thirty cents ($1.30) per lineal foot.

Item 95. For 16-inch gas pipe, the sum of one dollar and seventy cents ($1.70) per lineal foot.

Item 96. For 20-inch gas pipe, the sum of three dollars ($3) per lineal foot.

Item 97. For 24-inch gas pipe, the sum of four dollars and fifty cents ($4.50) per lineal foot.

Item 99. For 36-inch gas pipe, the sum of six dollars ($6) per lineal foot.

New Cast-Iron Hub and Spigot Water and Gas Pipe.
Items 100 *and* 101.

Item 100. For new cast-iron hub and spigot straight pipe delivered on the work, the sum of twenty-eight dollars ($28) per ton of two thousand pounds.

Item 101. For new cast-iron hub and spigot pipe, special castings, delivered on the work, the sum of fifty dollars ($50) per ton of two thousand pounds.

DUCTS IN STREETS.

Electric Ducts and Conduits in Streets.

(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)

Item 127. For electric ducts and conduits in place, as provided in section 71-a of the specifications, the sum of nine cents ($0.09) per duct foot.

Work Not Susceptible of Classification.

Article 12. In case any work or materials shall be required to be done or furnished in or about the works—whether specified herein or indicated on the plans or not—which are not susceptible of classification under the Schedule of Unit Prices, the Contractor shall and will if ordered by the Engineer do and perform such work and furnish such materials at and for the actual and necessary net cost in money to the Contractor for labor and for material, where new material is used, and in addition thereto ten per centum (10%) of such net cost for the use of tools and plant, superintendence and all other expenses incidental to the performance of such work and the furnishing of such material, and the Contractor shall have no further claim in excess of the above, but this method of payment shall not apply to the performance of any work or the furnishing of any material which in part or in whole is susceptible of classification under such schedule, which work or material shall be paid for in part or in whole, as the case may be, at the unit price given in such schedule, except as otherwise herein expressly provided.

In case any work or material shall be required to be done or furnished under the provisions of this article, for cost plus ten per centum (10%), the Contractor shall at the end of each day during the progress thereof furnish to the Engineer daily time slips showing the name and number of each workman employed thereon, the number of hours employed thereon, the character of work he is doing and the wages paid or to be paid to him and also a daily memorandum of the material delivered on the work showing the amount and character of such material, from whom purchased and the amount paid or to be paid therefor. If required, the Contractor shall produce any books, vouchers, records or memorandum showing the work and materials actually paid for and the actual prices therefor.

Quantities Approximate Only.

Article 13. It is expressly understood and agreed that the quantities of the various classes of work to be done and materials to be furnished under this contract, specified in the Contractor's Proposal, are approximate and only for the purpose of comparing, on a uniform basis, the bids offered for the works under this contract; and neither the City, nor the Commission, nor any member of the Commission, is to be held responsible that any of the said estimated quantities shall, by reason of inaccuracies, or changes in the works, be found even approximately correct in the construction of the works; and the Contractor shall make no claim for anticipated profit, or for loss of profit, because of a difference between the quantities of the various classes of work actually done or materials actually delivered, and the estimated quantities stated in the Contractor's Proposal.

Right of Commission to Amplify Plans.

Article 14. The Commission shall have the right, during the progress of the work, to amplify the plans, to add explanatory specifications and to furnish additional specifications and drawings.

Plans May be Modified.

Article 15. The Commission further reserves the right to change the location and to alter, in any way it may deem necessary for the public interest, the drawings aforesaid, in part or altogether, at any time during the progress of the work, without constituting grounds for any claim by the Contractor for payment or allowance for damages or extra service other than is provided for items of the different classes of construction shown in the schedule, or where not susceptible of classification, then as otherwise provided herein.

Contractor Bound to Complete in Best Manner.

Article 16. The Contractor shall complete the entire work in accordance with the specifications and contract drawings and according to the other provisions of this contract and within the times specified in this contract, in the most workmanlike manner and with the highest regard to the safety of life and property and according to the lines, levels and directions given by the Engineer, for the prices herein agreed upon.

Best Materials, Machinery, Tools, etc., to be Used.

Article 17. The Contractor shall furnish of the best description all materials, machinery, implements, tools and labor necessary to construct and put in complete working order all work covered by the specifications, contract drawings and provisions of this contract, including all additional specifications, drawings and details issued or required as herein provided for the prices hereinbefore agreed upon.

Contractor Has Examined Location, Plans, etc.

Article 18. The Contractor hereby represents that prior to the execution of this contract he has examined in detail on the ground the location mentioned herein and indicated on the plans, and that he has fully examined the plans and has read each and every clause and section of this contract and the specifications and has had full opportunity to consider the same and make necessary investigations relating thereto; and he agrees that he will not make any claim for, or have any right to, damages or an extension of time for completion of the works, or any other concession, because of any misinterpretation or misunderstanding of this contract or the specifications or of the plans, or because of any lack of information.

No Acceptance to Obviate the Necessity for Sound Work, etc.

Article 19. No acceptance of any part of the works or of materials therefor shall relieve the Contractor of his obligation to furnish sound material and perform sound work, whether with respect to such part or to any part of the works.

Inspection.

Article 20. The Commission contemplates, and the Contractor hereby approves, the most thorough and minute inspection by the Commission and its Engineer, and by their representatives or subordinates of all work and materials and of the manufacture or preparation of such materials from the beginning of construction to the final completion of the works. It is the intention of the Commission that its Engineer shall draw the attention of the Contractor to all errors or variations from the requirements of this contract or other defects in workmanship or materials. But it is expressly agreed that no omission on the part of the Commission or its Engineer or any officer, member or subordinate of the Commission to point out such errors, variations or defects shall give the Contractor any right or claim against the City or shall in any way relieve the Contractor from his obligations according to the terms of this contract.

Contractor to Afford Facilities for Inspection.

Article 21. The Contractor shall at all times give to the Commission and its members, to the Engineer and his assistants and subordinates, and any person designated by the Commission or its Chairman, all facilities, whether necessary or convenient, for inspecting the materials to be furnished and the work to be done under this contract. The members of the Commission, the Engineer and all employees of the Commission bearing his authorization or the authorization of the Commission or its Chairman, shall be admitted at any time summarily and without delay to any part of the works or to inspection of materials at any place or stage of their manufacture, preparation, shipment or delivery.

Engineer to be Furnished Facilities.

Article 22. 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 23. The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his contract as herein prescribed, and defective work shall be made good and unsuitable materials will be rejected, nothwithstanding that such work and materials have been previously overlooked by the Engineer and accepted or estimated for payment. If the work, or any part thereof, shall be found defective before the final acceptance of the whole work, the Contractor shall forthwith make good such defect, in a manner satisfactory to the Engineer, and if any material brought upon the ground for use in the work, or selected for the same, shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials.

Engineer's Determination to be Final and Conclusive Upon Contractor.

Article 24. To prevent disputes and litigations, the Engineer shall in all cases determine the amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for under this contract; shall determine all questions in relation to the works and the construction thereof, and shall in all cases determine every question which may arise relative to the fulfillment of this contract on the part of the Contractor. His determination and estimate shall be final and conclusive upon the Contractor, and in case any question shall arise between the parties hereto, touching this contract, such determination and estimate shall be a condition precedent to the right of the Contractor to receive any money under this contract.

Engineer to Explain.

Article 25. The Engineer shall make all necessary explanations as to the meaning and intention of the specifications, shall give all orders and directions contemplated therein or thereby and in every case in which a difficult or unforeseen condition shall arise in the performance of the work required by this contract.

Other Contractors.

During the progress of the work it will be necessary for other contractors and persons to do work in or about the construction or equipment of the railroad. The Contractor shall afford to such other contractors or persons such facilities as the Engineer may require.

Differences Between Contractor and Other Contractors.

Any differences or conflicts which may arise between the Contractor and other contractors of the Commission in regard to their work shall be adjusted and determined by the Engineer.

Substitute for Chief Engineer.

Article 26. Any engineer substituted by the Commission in place of the Chief Engineer during his absence, illness or inability or when the Commission shall so determine, shall, during his official connection, have all the power and authority of the Chief Engineer, and in all respects be recognized as such Chief Engineer.

III.—SPECIFICATIONS.

Specifications and Drawings Subject to Requirement of Railroad of Highest Class. Where Text of Contract Doubtful, Best Materials and Workmanship Required.

Section 1. The specifications and contract drawings hereinafter mentioned and taken in connection with the other provisions of this contract, are intended by the Commission to be full and comprehensive, and to show all the work required to be done. But in a work of this magnitude it is impossible either in advance to show all details, or precisely to forecast all exigencies. The specifications and contract drawings are to be taken, therefore, as indicating the amount of work, its nature and the method of construction so far as the same are now distinctly apprehended. The Railroad is intended to be constructed for actual use and operation as an interurban railroad of the highest class, adapted to the necessities of the people of New York, in the best manner, according to the best rules and usages of railroad construction, and in the event of any doubt as to the meaning of any portion or portions of the specifications or contract drawings, or of the text of the contract, the same shall be interpreted as calling for the best construction, both as to materials and workmanship, capable of being supplied or applied under the then existing local conditions. All the clauses of the specifications, and all the parts of the contract drawings, are, therefore, to be understood, construed and interpreted as intending to produce the results hereinbefore stated.

To Construct in Accordance With Specifications.

Section 2. The Contractor shall construct and complete the Railroad strictly in accordance with the requirements of these specifications; if, in the specifications or contract, any detail or other matter or thing requisite be not mentioned, nevertheless the same is deemed to be included and the Contractor hereby undertakes to do the same as part of the work hereunder, at the unit prices for each class of work where applicable or as provided in Article XII. of the contract.

Maps and Drawings.

Section 3. The contract plans referred to in the contract and specifications bear date June 15, 1910, are each countersigned by the Engineer, are stamped with the seal of the Commission, bear the general title:

Route No. 5.
Contract Drawing No.

and are designated or numbered as follows:

For Section 12. Route No. 5,

Drawings as follows:

General Notes; Map and Profile; Nos. A14, B27, B28, *B32, *B33, B101, B102, C1 to C18 inclusive, C401, C1032.

Plans and Contract Drawings.

Section 4. The sections and dimensions shown on the contract drawings are typical sections and dimensions which should be applicable to the greater part of the work. Where, however, changes are deemed necessary they may be ordered under Article XV. of the contract and the Engineer shall issue such plans and specifications as may be necessary.

Supplementary Drawings.

Section 5. In addition to the contract drawings already mentioned, the Commission has had prepared a set of maps and plans, bearing the same seal and general title as the contract drawings, but designated as supplementary drawings. These supplementary drawings exhibit certain information which the Commission has received from its Engineer of the nature of the soil underlying portions of the route, the nature and position of elevated and surface railways, water mains, gas and other pipes, sewers, electric subways, manholes, hydrants, catch basins and other surface and subsurface structures.

Supplementary Drawings May be Examined.

Section 6. These supplementary drawings, for each section of the work, can be seen at the office of the Engineer, also samples of material taken in connection with test borings. They are exhibited to the Contractor without any guarantee on the part of the Commission as to their completeness or correctness. The Contractor may have copies (blue prints) of these drawings for one or more of the sections, for such aid, if any, as may be derived from them, on the payment of the cost of printing.

*B32 and B33 bear date June 16, 1910, and are signed by E. P. Goodrich, Consulting Engineer to the Borough President, and by Horace Loomis, Chief Engineer, Bureau of Sewers, Borough of Manhattan.

In Case of Difficulties Not Indicated on Supplementary Drawings.

Section 7. If, upon opening the streets by tunneling or otherwise, difficulties of any nature be encountered which are not indicated or suggested by the supplementary drawings, or by the samples of the test borings, or if additional surface or subsurface structures or obstructions be discovered or found of different size or in different positions or of different nature from those shown on the supplementary drawings, or if in any way such supplementary drawings be found erroneous, the Contractor shall take every necessary or proper precaution to overcome the unforeseen difficulty, and is to support, maintain, protect, remove, adjust or readjust, as the case may be, the additional or different surface or subsurface structures according to the direction of the Engineer, and as provided in this contract and these specifications.

Specifications Not Exclusive.

Section 8. It is expressly understood that the specifications do not include all requirements, but are requirements in addition to those heretofore or elsewhere given or provided in this contract. The specifications and other provisions of this contract, and the contract drawings, are intended to be explanatory of each other. Should, however, any discrepancy appear or any misunderstanding arise as to the import of anything contained in either, the explanation of the Engineer shall be final and conclusive.

Section 9. These specifications are grouped in subdivisions as follows:

1. Description of the Work. 2. General Clauses. 3. Manner of Prosecution and Maintenance of Traffic. 4. Street Railroad Tracks, Mains and other Surface or Subsurface Structures. 5. Excavation. 6. Tunneling. 7. Backfilling. 8. Piling and Timbering. 9. Cement. 10. Mortar. 11. Masonry. 12. Concrete. 13. Brick Masonry. 14. Stone Masonry. 15. Waterproofing. 16. Steel and Iron. 17. Painting. 18. Ducts and Conduits. 19. Drains and Pumps. 20. Sewers. 21. Requirements for Pipes. 22. Street Surface and Park Surface Restored. 23. Vault Lights. Gratings and Hand-rails.

1—Brief Description of the Work.

General Nature.

Section 10. The Rapid Transit Railroad which is hereinbefore described is to be an underground railroad or subway, the general details of construction and the location of the various tracks, junctions, grades, etc., being indicated more particularly on the contract drawings.

Stations to be Constructed.

Section 11. Stations are to be constructed at such places as are indicated on the plans, but station finish work is not included in the work to be done under this contract. Station construction must, however, be kept so advanced that station finish contractors can complete their work coincidently with the completion of the Railroad.

Surface and Subsurface Structures.

Section 12. In addition to the construction of the Railroad, it will be necessary to do various incidental work which is generally referred to in Article X. hereof.

Ventilating Chambers and Gratings.

Section 13. In order to provide for a frequent renewal of air in the Railroad, chambers for the installation of necessary ventilating devices shall be built at the sides of the Railroad and in connection therewith. These chambers shall be generally of the form and dimensions as shown on the plans, varying somewhat with the requirements of local conditions. They will be so arranged that the air will discharge through gratings placed generally in the sidewalks in the roofs of the chambers. If, owing to local conditions, it becomes necessary to lead the air to gratings or other outlets away from the chambers, suitable air-ways, ducts or flues shall be constructed.

The chambers will be built at the places and as indicated on the plans.

Section 14. Other openings with gratings will be built at or over the stations, for the purpose of admitting air to the Railroad.

Section 15. The chambers will be provided with suitable doors or openings, and with ladders reaching to the street for use as exits in case of emergency.

2—General Clauses.

Prevention of Water Percolation.

Section 16. It is the very essence of these specifications to secure a railroad structure underground which shall be free from the percolation of ground or outside water. The mixing and placing of the concrete and the placing and protection of the waterproofing shall be with this end in view.

Best Quality of Work.

Section 17. All materials and workmanship must be of the best class in every respect, and the Engineer is to be the sole judge of their quality and efficiency.

Rapidity and Safety.

Section 18. All the work shall be prosecuted in the manner, according to local conditions, best calculated to promote rapidity in construction, to secure safety to life and property and to reduce to the minimum any interference with abutting property and the public travel. Decking of the streets, paving, or other surface work affecting, or affected by, street traffic shall be prosecuted during such hours as will reduce such interference to a minimum. Night work shall be conducted, in accordance with the directions of the Engineer, so that annoyance to occupants of abutting property shall be reduced to a minimum, and the Engineer may, if in his judgment conditions so require, direct that night work be omitted.

Contract Section Part of System.

Section 19. The contract section embraced in this contract is one of a number of contract sections forming part of an extensive rapid transit railroad system, which the interests of the City imperatively require should be completed and put in operation without delay. If the Contractor shall fail so to prosecute his work that, in the judgment of the Engineer, it shall not be reasonably probable that the work will be completed within the time limited, the Contractor, if directed by the Commission, shall increase the number of shifts and the number of men in each shift as may be necessary to insure the completion of the work within the time required by this contract, or within the shortest possible time thereafter.

Emergencies.

Section 20. In case of emergencies involving danger to life or property, continuous work with an increased force may be ordered by the Engineer for such time as may be necessary.

Permits.

Section 21. No work shall be begun until the Commission shall issue to the Contractor a permit authorizing him to proceed. No permits for excavation will be issued until the Contractor has given satisfactory assurance to the Engineer that the material needed for construction has been acquired and is available. Such permits are to be in such form and to cover such portions of the work as the Commission shall prescribe.

When to be Filed with Borough President.

Section 22. Before any opening is made in the surface of a street, a copy of the permit issued by the Commission shall have been filed with the Borough President not less than five days, unless the Engineer shall expressly direct work to begin within a less period.

Notice Regarding Commencement of Work.

Section 23. Before commencing work on any part of the route, whether on the Railroad or on the sewers lying off the line of the Railroad, the Contractor shall give notice in writing to the Engineer at least one (1) week in advance of his intention to commence such operations; and before commencing manufacture, or resuming manufacture, if the same has been suspended, of any article called for by these specifications, notice shall be given to the Engineer in writing at least one (1) week in advance, with the name and address of the maker and the amount and description of the material to be manufactured.

Shafts and Dumping Platforms.

Section 24. Plans showing the proposed location, and proposed methods of construction, of shafts, dumping platforms, etc., shall be submitted to the Engineer and receive his approval before permits will be granted for such plant and appliances to be constructed and put in operation.

Ordinances and Regulations.

Section 25. In all operations connected with the Works, all ordinances of the City, and of the Board of Health, so far as they may be valid and operative with respect thereto, and all laws of this State which are now applicable to and control or limit in any way the actions of those engaged in the work or affecting the materials belonging to them, shall be respected and strictly complied with, and the Contractor shall further strictly comply with all applicable Federal, State and Municipal regulations regarding the transportation in and around the City and Harbor of materials used in, or in connection with, the work.

Requirements of Borough President, etc., to be Observed.

Section 26. 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 27. The Contractor shall procure all permits necessary or requisite for the underpinning of buildings and the reconstruction thereof; he shall, at his own cost, provide for the water supply necessary for his work and he shall bear the cost of the service of inspectors required by any municipal department or other public authority in or about the execution of the work other than the inspectors or the employees of the Commission. He shall bear the expense absolutely necessary in the bagging of gas pipes where it is necessary to cut off the supply of same and of the shutting off and restoration of the flow in water mains where such work applies to the maintenance and support thereof as provided in section 70 of the specifications.

Storage on Cross Streets.

Section 29. No materials of any nature shall be stored along the streets occupied by the Railroad in Manhattan or on 138th street, in The Bronx. On cross streets adjacent to the work, only such material may be stored as may be necessary, in case of an emergency, to sheet or to support the excavation; or a reasonable amount of such structural material as may be absolutely necessary to avoid delay in construction may be stored; such material must not be allowed to accumulate, but must be replenished from day to day. The amount to be so allowed shall be determined by the Engineer.

Material Stored.

Section 30. Excavated sand, gravel or stone that in the judgment of the Engineer is suitable for use in mortar, concrete, or masonry, also structural and other material to be used in the work, may be stored in such locations and for such periods as are approved by the Engineer.

Approval of Engineer Revocable.

Section 31. In any case material may only be so stored with the approval of the Engineer, revocable at any time; and if so ordered, such material shall be removed immediately on receipt of the order, or within a period of time to be therein stated.

Access to Fire Hydrants.

Section 32. Wherever the work is being carried on, free access must be given to every fire hydrant and fire alarm box, and when required hydrants shall be extended by suitable tube or piping to an accessible point as approved by the Engineer, and to the satisfaction of the Chief of the Fire Department. Materials must not be piled at any time or place within ten (10) feet of any fire hydrant or fire alarm box; and where materials are unavoidably piled or placed in the vicinity of a fire hydrant or fire alarm box, and to such height as to obscure a sight of the same, the position of such hydrant or fire alarm box shall be indicated by suitable signals, both day and night.

Work to be Cleared.

Section 33. At his own expense and as directed from time to time by the Engineer, the Contractor is to clear the work, streets and all public places occupied by him of all refuse and rubbish that may accumulate from any source whatever and leave them in a neat condition.

Assistance to be Rendered to Owners of Buildings.

Section 34. Where access to any adjacent property is temporarily cut off, owing to the occupancy of the street by the Contractor, he must, at his own cost, render every assistance to the owner or occupant in handling such materials of any description, including all material to be removed by the Department of Street Cleaning, that has to be taken to or removed from such property; such material shall be taken to or from the nearest accessible point that in the opinion of the Engineer is convenient for handling.

Waste Material.

Section 35. 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 36. 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 37. 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 38. 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 39. Barricades and bridges shall be erected by the Contractor at his own cost, for the protection of the work or use of the public; they shall be substantial in character and neat in appearance.

Detailed Drawings.

Section 40. The Engineer will prepare and furnish to the Contractor, from time to time as required, drawings and plans amplifying such details of the contract drawings as may be necessary, and drawings and plans necessary to show the adjustment and reconstruction of all surface and subsurface structures wherever the reconstruction of the same is necessitated by the construction of the railroad. These plans must be strictly followed, unless local conditions should develop, during construction, suggesting changes, when, with the approval of the Engineer, such changes may be permitted.

Working and Shop Drawings.

Section 41. The Contractor shall make all working or shop drawings which may be required in addition to the contract drawings, or in addition to such other drawings as the Commission may issue in amplification of such contract drawings, as explained above. All working or shop drawings shall be submitted in duplicate to the Engineer for his approval, which approval shall be indicated by his countersigning one set of such working or shop drawings and returning the same to the Contractor. Should the working or shop drawings be not approved by the Engineer, then the Engineer shall return one set of such working or shop drawings, with the

necessary corrections and changes indicated thereon; and the Contractor must make such corrections and changes, and again submit plans in duplicate for the approval of the Engineer; and no work called for by said working or shop drawings shall be done until the approval of the Engineer be obtained, which must be given or refused within ten (10) working days after delivery to him at his office of such plans in duplicate.

Lines and Grades.

Section 42. During the progress of the work the Commission will give, through the Engineer, to the Contractor, suitable points, marks or benches, indicating the line and grade of the Railroad and of the sewers; such points or bench marks to be established at such intervals as the Engineer deems necessary for the Contractor to be able to perform his work. The principal lines and grades are to be given by the Engineer, who may change them from time to time as may be authorized and directed by the Commission. The stakes and marks given by the Engineer shall be carefully preserved by the Contractor, who shall give to the Engineer all necessary assistance and facilities for establishing benches and plugs for making measurements.

Notice, How Given.

Section 43. When the Contractor is absent from any part of the work where it may be necessary to give instructions, orders will be given by the Engineer to, and shall be received and promptly obeyed by, the superintendent or overseer of the Contractor, who may have charge of the particular work in relation to which the orders are given, and a confirmation in writing of such orders will be given to the Contractor by the Engineer if so requested.

Imperfect Work.

Section 44. Any imperfect construction which may be discovered before the final acceptance of the work, shall be corrected immediately on the requirement of the Engineer and at the Contractor's expense, notwithstanding that it may have been overlooked by the proper inspector.

Damaged Work to be Replaced.

Section 45. All work of whatever kind which during its progress and before its final acceptance shall become damaged from any cause, so much of it as may be objectionable shall be broken up or removed and be replaced by good and sound work at the Contractor's expense.

Condemned Materials to be Removed.

Section 46. 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 47. The Contractor shall employ only competent, skillful and faithful men to do the work. Whenever the Engineer shall notify the Contractor in writing that in his opinion any man on the work is incompetent, unfaithful or disorderly, such man shall be discharged from the work and shall not again be employed on it.

3—Manner of Prosecution and Maintenance of Traffic.

Access to Buildings, etc.

Section 48. No building shall, without the consent of the occupant, and after notice to the Engineer, be deprived of means of access thereto; and, where streets are open suitable bridges shall be built and maintained, at the Contractor's expense, to permit owners and occupants to reach their premises. Where necessary, proper and easy means for passengers to reach or leave street cars shall be maintained.

Wharves and Docks.

Section 50. For that portion of the route adjoining wharves and docks the work must be so prosecuted as to permit free access to neighboring wharves and docks.

Contiguous Contract Sections.

Section 50-a. On the division line of contiguous contract sections, the Engineer will decide any matters in the details of construction within a limit of ten feet on either side of the line where the work of contractors may be in conflict, and direct which of the contractors shall complete the details of construction within such limits.

Other Portions of the Route.

Section 51. Generally the Contractor will be permitted to conduct its work in the most expeditious manner possible, having due regard for the safety of persons and property and facilities for traffic and under such instructions as the Engineer may give from time to time.

Facilities for Travel.

Section 52. All necessary facilities are to be furnished by the Contractor for the benefit of street travel, both in longitudinal and cross streets.

Decking of Streets and Sidewalks.

Section 53. In order to provide the minimum interference with traffic and the minimum inconvenience to abutting property owners, during the construction of the Railroad, on all parts of the work when the excavation is in trench the streets and sidewalks shall, except as hereinafter specifically provided, be substantially decked or covered over, and every precaution must be taken to keep traffic free from interruption.

Street Intersections.

Section 61. 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 62. 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 63. Wherever the excavations are decked, where gas pipes are maintained in service or where gases are liable to accumulate, suitable openings shall be provided for proper ventilation, or the Contractor may maintain services by temporary mains above the street decking.

Temporary Pipes, etc.

Section 64. Temporary pipes, if laid above the street or sidewalk surfaces, shall be neatly and substantially placed, and in a manner to cause the minimum of inconvenience to the abutting property owners and to the public.

In General.

Section 65. In general, work will, as provided herein, be carried on under covered roadways. In exceptional cases, however, where rock is within a few feet of the street or sidewalk surface, it may be impracticable to operate drills while the street is covered, until a sufficient depth of excavation has been obtained. In such cases such latitude will be allowed the Contractor as may prove absolutely necessary for the execution of its contract, and as the Engineer with the approval of the Commission may deem advisable, after a thorough understanding of the exact conditions and necessities has been determined.

4—Street Railroad Tracks, Mains and Other Surface or Subsurface Structures.

Notice to be Given.

Section 66. Notice is to be given by the Contractor to all companies and the proper City officials, owning or having charge of surface or subsurface structures along any part of the work, of his intention to commence operations along such part of the route, at least one (1) week in advance, and the Contractor shall file with the Engineer at the same time a copy of said notice; and he shall co-operate with the proper officers or officials in charge of such structures and shall furnish them with all reasonable facilities to inspect the methods of caring for their property.

Plans Furnished.

Section 67. In the rearrangement of subsurface structures requiring removal and relaying or reconstruction due to interference with the railroad structure a tentative plan will be made by the Engineer, which will be submitted to the parties interested; if any reasonable changes are then requested by any of the said parties within ten days after the submission of the tentative plan, such changes will then be made, if, in the judgment of the Engineer they will best conserve the interest of all parties concerned; a further plan will then be made which, on the approval of the Engineer, will be final.

Reconstruction or Relaying, etc.

Section 68. Whenever it becomes necessary to cut, move, change, or reconstruct any surface or subsurface structures, or connections therewith, such work shall be done according to the reasonable satisfaction of the owners of such pipes or other structures.

Reasonable Dispatch.

Section 69. All work of reconstruction or alteration shall be done with reasonable dispatch, and facilities are to be provided so that said work will interfere as little as possible with the practical working and use of such structures.

Maintenance, Support, etc.

Section 70. The Contractor shall at all times, by suitable bridging or other supports, maintain and support in an entirely safe condition for the usual service and to the reasonable satisfaction of the owners, all surface and subsurface structures encountered during the prosecution of his work. All surface and subsurface structures and surfaces of whatever character along the line of the work shall be protected from injury, but should any injury occur the Contractor shall fully restore such surface or subsurface structures or surfaces to as good a condition as existed before the injury was done. All the above, including also all changes of surface or subsurface structures made by the Contractor for his own convenience in executing his work, shall be done at the Contractor's own expense and included in the prices stipulated in the schedule for excavation except as otherwise herein specifically provided.

Necessary Permanent Changes of Pipes.

Section 71. Changes of water, gas, steam or other pipes made necessary because of physical interference with the railroad structure, and requiring the removal, relaying or reconstruction of such pipes and their appurtenances in other than the original position, will be paid for at the prices stipulated in Schedule Items 77 to 99, Items 102 to 106, Items 109 to 114, Items 121 to 122, and Item 125. These prices are per linear foot of pipe laid including all work, labor and material incidental to such laying, excepting that:

(1) If new pipes have to be provided and are ordered by the Engineer, such new pipes will be paid for in addition to the price paid for laying, etc., at the prices stipulated in Schedule Items 100 and 101, Items 107 and 108, Items 115 to 120, Items 123 and 124, and Item 126, which prices are to cover the cost of the new pipes delivered on the work.

(2) If the pipes in their new locations are outside of the ordered net lines for excavation for the railroad structure, necessitating additional excavation and restoration of street surface, such excavation will be paid for at the prices stipulated in Schedule Items 2-A and 3-A (which prices shall include all the matters referred to in Section 107), and for restoration of street surface, Item 30-A and B, but only to the net lines ordered by the Engineer for excavation for such pipe work.

Necessary Permanent Changes of Electric Conduits and Ducts.

Section 71-a. Changes of electric conduits or ducts and their appurtenances found in the streets (other than street railway ducts, payment for which is provided for in Schedule Item 75-A), made necessary because of physical interference with the railroad structure, and requiring the removal, relaying or reconstruction in other than the original position, will be paid for at the price stipulated in Schedule Item 127. The price per duct foot as provided in Schedule Item 127 is to include the cost of all ducts in place; of all manholes, vaults, service boxes and their appurtenances; of drawing cables and providing new cables where necessary; of the proper restoration of all services that may be affected by the changes in the duct lines; of such excavation and restoration of street surface as may be necessitated by the changes in the duct lines, and all other work and material incidental to and necessary for the completed duct lines.

Surface and Elevated Railroads.

Section 72. 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.

Section 73. The Contractor shall maintain and support, both temporarily and permanently, in a safe condition all street surface railroads (including steam railroads), including ducts, cables and all other appurtenances of such railroads; he shall rebuild either in their original or in new locations all parts of such surface railroads, including ducts, cables and all other appurtenances of such railroads, whose reconstruction or rebuilding may be necessitated by the construction of the work. Payment therefor will be at the rates specified in the Schedule for electric railroad, Item 75-A, or for horse railroad, Item 75-B, which prices will include the cost of all work incidental thereto. Where permanent masonry supports are required and added, and where additional vaults in excess of the number existing are required and constructed to give equivalent facilities, they will be paid for at the prices given in the Schedule for the several classes of work or material applicable thereto.

Elevated Railroads.

Section 74. The Contractor shall maintain and support both temporarily and permanently in a safe condition all elevated railroad structures. Payment therefor will be at the rate specified in Schedule Item 76, which price will include the cost of all incidental work, including the reconstruction and building where necessary of all column foundations and parts of column foundations lying without the net lines of the subway structure.

Subsurface Railroads.

Section 75. The Contractor shall support and maintain both temporarily and permanently in a safe condition all subsurface railroads and their appurtenances. Payment therefor shall be deemed included in the prices for excavation, Schedule Items 1, 2 and 3.

Facilities to be Given to Make Extensions.

Section 76. In the event of the owners or the City desiring to make any alteration or extension to their structures, or do any work to or in connection with surface or subsurface structures owned by them or it, at the time the work under this contract is in progress, the Contractor shall give said owners or the City all reasonable opportunity to perform such work; provided such work or alteration for the benefit solely of the owners of subsurface structures does not cause the Contractor any serious loss or delay, as shall be determined by the Commission.

Parks and Parkways, Trees, etc.

Section 77. In any park or parkway, or where any grass plots or trees exist along any street occupied by the Contractor, proper precautions must be taken to protect from injury all such trees or grass plots. For every tree removed, injured or destroyed, the Contractor shall set out a new thrifty tree of the same kind as the tree removed, injured or destroyed, and not less than fifteen (15) feet in height and not less than three and one-half (3½) inches in diameter measured two feet above the surface of the ground, and in such position as the Commissioner of Parks shall indicate. All roads, cross-paths, grass plots, shrubbery and other plants removed or affected by the construction of the railroad, shall be restored as soon as possible to as good a condition as existed before the commencement of the work.

Replanting Under Direction of Park Commissioner.

Section 78. In replanting trees and the replanting of grass plots the Contractor must be governed by the reasonable requirement of the Commissioner of Parks or by

other authorities specially charged with the care of these trees or grass plots, and the nature and depth of the soil to be placed therein must be approved by such authorities and by the Commission.

Payments, How Made.

Section 79. Payment for all work covered by Sections 77 and 78 shall be included in the prices paid for Park or Street Surface Restored, Schedule Items 31 or 30.

5—EXCAVATION.

Width of Excavation.

Section 80. 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 81. Trenches shall be excavated to such depth, both in soft ground and in rock, as may be necessary to permit the laying of such concrete bed or special foundation as may be deemed necessary by the Engineer.

Sides to be Secured.

Section 82. The sides of the excavations shall be secured against slips by suitable sheet piling or sheeting, held in place by braces, shores or walling timbers, special precautions being taken where there is additional pressure, due to the presence of buildings or other structures. Where a movement of the ground might cause the settlement of an adjacent building, the sheeting must be started, if near the building, before the elevation of the bottom of the foundation of the building is reached; if away from the building, at such depth of the excavation as the Engineer may permit; and the excavation must not be made in advance of or below the bottom of the sheeting.

Filling Back of Sheeting.

Section 83. Sheeting shall be driven wherever possible, but when it is placed against the sides of the excavation, the spaces or voids back of the sheeting must be immediately and carefully filled with suitable material to prevent as far as possible the natural ground back of the sheeting from moving.

Buildings Underpinned.

Section 84. To secure adjacent ground or the buildings thereon, or to prevent bringing an unusual pressure on the structure when completed, the Contractor shall secure the sides of the excavation by suitable timbering, and shall safely and permanently underpin adjacent buildings. As part of this obligation the Contractor shall use such methods of construction or underpinning, pneumatic or otherwise, as special conditions may require and the Engineer shall approve.

Payment For.

Section 86. Where underpinning of a building is necessary and the work is done as provided in Section 84, payment will be made to the Contractor as, and at the price, provided in Schedule Item 4. The classification as to the number of stories has reference to the number of stories above the surface of the street.

Sheeting.

Section 87. 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 88. All timber used for sheeting, shoring, bracing, decking or other temporary purposes, shall be sound and free from any defects that may impair its strength. It shall be provided, placed and removed at the Contractor's own cost and expense. The top or wearing surface of all decking used for carriageways shall be of hard yellow pine, sound, straight and free from all shakes, and large loose knots. All sheeting and timber used temporarily shall be put in place by skilled mechanics, keyed tight by wedges where necessary, and so arranged as to be withdrawn readily without endangering the adjoining soil.

Vaults of Abutting Property.

Section 89. The cost of the removal, where necessary, of all walls or other parts of vaults of abutting property along the line of the railroad that are within the ordered net lines of excavation is to be included in earth excavation as provided in Section 102, but the restoration of all such walls or other parts of vaults within the ordered net lines of excavation will be paid for at the unit prices specified in the Schedule applicable to the several classes of work and material involved in such restoration.

The above is not to be construed, however, as applicable to any work beyond the ordered net lines of excavation, which shall be at the Contractor's own cost and expense.

Vaults Disturbed.

Section 90. Wherever vaults are broken through or otherwise disturbed, the Contractor shall, at his own cost and expense, erect a temporary partition on or about the building line, or as directed, that will afford proper protection to the owner or occupant of the adjoining premises.

Rock.

Section 91. Ledge rock in place, and boulders within the ordered line of excavation requiring blasting, will be considered as rock excavation.

Preparations for Rock Measurement.

Section 92. Whenever rock is encountered in the trench, it shall be stripped of earth in sections of not less than 20 feet; and the engineering charge shall be duly notified, in order that he may measure or cross-section the same.

Blasting.

Section 93. Whenever rock or material requiring blasting is encountered in any trench or tunnel, all necessary precautions must be exercised by the Contractor, as required by the ordinances of the City relative to blasting. Explosives shall be used only of such character and strength as may be permitted by the Commission, and the right is reserved for the Engineer to direct that in special cases ordinary blasting powder only, in small charges, shall be used. Blasting shall not be done between the hours of 11 p. m. and 7 a. m. without the express permission of the Engineer, and under such restrictions as he may impose.

Storage of Explosives.

Section 94. 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 95. Whenever any pipe or main is encountered in or alongside of the trench, right is reserved to direct that all rock within five (5) feet of the same shall be removed by means other than blasting.

General Precautions in Blasting.

Section 96. In rock excavation in the trenches for the railroad the work must be so regulated as to avoid, as far as possible, shattering the rock beyond the established line for excavation.

Blasting.

Section 97. Generally the central portion of the excavation must, when directed by the Engineer, be kept some distance in advance of the excavation near the sides, and if the rock, owing to its general character and structure, has a tendency to break large, or the strike and dip of the stratification indicate a liability to slip or slide into the excavation, the Contractor must place the drill holes at close intervals on the established lines for excavation, in order to avoid excessive excavation and to preserve the established lines thereof.

Pumping.

Section 98. 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 99. All carts, buckets or other vehicles used by the Contractor for the removal of material, shall be tight and so arranged and so loaded as not to spill over. Whenever a cart, bucket or other vehicle so used is leaky or unsuitable, it shall be immediately withdrawn from the work on notification by the Engineer, or his duly qualified assistant, in charge of that portion of the work.

Removed Expeditiously.

Section 100. 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 the City.

Section 101. If at any time during the course of construction the City shall desire for City purposes any part of the material excavated, and the cost of such disposal shall not exceed the cost to the Contractor of the method in which he is then disposing of it, the Commission may order such material dumped or turned over to the City at a point designated without cost to the City.

Earth Excavation, Definition of.

Section 102. Earth excavation includes the excavation of all materials of whatever nature encountered in the trenches, excepting ledge rock in place and boulders requiring blasting.

Excavation in Trenches, How Measured.

Section 103. The net outside width of the railroad structure, as ordered and indicated on the plans, and the depth, also as ordered and as indicated on the plans, will govern as to width and depth in the measurements for payment for excavation. No deduction from the volume of excavation determined as above, will be made on account of basements or cellars in property acquired by the City for the construction of the railroad or on account of vault space or of spaces occupied by pipes and other subsurface structures.

No Allowance Outside of Ordered Net Lines.

Section 104. There will be no measurement or allowance made nor money paid for excavation outside (below or wider than) the net measurement lines as above indicated, or in rock excavation, for irregularities of surface; and no allowance shall be made for any excess excavation caused by slips or slides. It is understood and agreed that for all such matters the Contractor has estimated and allowed in the unit prices of the schedule.

Change of Street Grade.

Section 105. Where the contract drawings indicate that the grade of any street is to be raised the Contractor shall fill in the street to the changed grade as required and such work shall be measured and paid for at the price stipulated for earth excavation, Schedule Item 1.

Payment for Excavation.

Section 106. Excavation shall be paid for at the price or prices given in Schedule Items 1 and 2 for excavation in earth and Item 3 for excavation in rock.

Prices for Excavation to Include.

Section 107. The prices herein stipulated for excavation, Schedule Items 1, 2 and 3, are to include the cost of the disposal of the materials excavated, of backfilling, of all decking and bridging, of all sheeting and bracing, and of maintaining and supporting of trenches during and after excavation, of all pumping or bailing, and of the maintenance, support, etc., of all surface and subsurface structures of whatever nature, payment for the maintenance and support of which is not herein elsewhere specifically provided for.

6—TUNNELING.

How Lined.

Section 108. All tunnels shall be lined with steel or cast iron and concrete, or with concrete or brick masonry.

Where tunnels are lined with concrete or brick work without metal tubes, proper provisions shall be made for keeping the tunnels dry by the use of drains, and by other methods as elsewhere provided.

Packing.

Section 109. The space between the extrados of the arch or back of the sidewalls and the rock or other materials of excavation, shall be filled with concrete to a height of two feet above the spring line of the arch—above this concrete the space shall be filled with dry masonry packing. Similarly in the tunnel floor, if concrete is used, all loose rock shall, if directed by the Engineer, be removed to the solid rock and the space filled in with concrete up to the bottom line of the section ordered by the Engineer for tunnel excavation and concrete. All such concrete or other packing, being outside of the net section line for excavation ordered by the Engineer, shall be at the sole expense of the Contractor.

Grout.

Section 110. After the tunnel lining and packing are in place, if required by the Engineer, a grout, consisting of one (1) part fine, clean and sharp sand and one (1) part Portland cement, shall be pumped in under pressure, from time to time behind the masonry, so as to completely fill all the voids. Where tunnels are made by the use of a shield, similar grout shall be pumped in to completely fill the space left by the tail piece of the shield as soon as the shield is moved forward.

Payment for Grout.

Section 111. Where grout is ordered and used, it shall be paid for at the price herein provided, Schedule Item 11.

Lines for Excavation.

Section 112. The tunnel, at any place, is to be excavated to the line of the cross-section ordered by the Engineer for that place.

No Payment for Excavation Beyond Ordered Lines.

Section 113. All loose or shaky rock, whose fall or settlement might, in the judgment of the Engineer, produce an unequal or concentrated pressure on the masonry, shall be removed, and the space refilled with such class of masonry as the Engineer may require and as provided in Section 109, but no payment will be made for any excavation outside of the cross-section of the tunnel excavation ordered by the Engineer, as provided in Section 112.

Blasting.

Section 114. Drilling and blasting must be conducted with all possible care and in such a manner as not to shatter the roof and sides outside of the section lines, as ordered by the Engineer, nor endanger adjoining property.

Drains.

Section 115. All seams carrying water shall be carefully drained, as specified under the clauses relating to drainage.

Precautions Against Settlement.

Section 116. The Contractor must take every precaution, and such precautions as the Engineer may direct, by suitable shields, timbering, lagging or other supports, to prevent any settlement or movement of surrounding ground. Such timber as cannot be drawn without endangering the work or the ground above, shall be left in place and thoroughly surrounded by masonry and grouted.

Timbering.

Section 117. Timbering shall be used wherever necessary to support the materials or to secure the safety of the work or workmen. It will be at the sole expense of the Contractor and included in the contract price for tunnel excavation, Schedule Item 5. Wherever practicable it shall be removed before the concrete lining or concrete or other packing is placed.

Compressed Air.

Section 118. If for the work under the Harlem River and for the approaches thereto or elsewhere on the work a method is adopted requiring the use of compressed air, a plant must be provided of sufficient capacity to insure at all times and under all conditions an ample supply of air to prosecute the work with safety and dispatch, and proper air locks shall be built with safety locks, in addition to provide for the escape of workmen at time of accident.

Methods to be Approved.

Section 119. All methods of tunneling shall be subject to the approval of the Engineer, and be changed from time to time, if, in his judgment, the local conditions so require, and during construction approved methods of ventilation and lighting shall be used.

Tunneling, Payment For.

Section 120. The price per cubic yard, stipulated herein, Schedule Item 5, for tunnel excavation, is to cover all expense due to the presence of quicksand or other soft material, rotten rock, boulders, etc.; the cost of all pumping and bailing; of all timbering, and removal of same; of removing all excavated material; of all ventilation and lighting; and of all other work incident to the excavation of the tunnel. Any expense that may arise from loose or shaky rock or from falls or cave-ins, or from any unexpected obstacles, shall be borne by the Contractor. In earth sections the tunnel excavation must be large enough to permit building the masonry to the full required thickness, clear of such timbering and lagging as it may be necessary to build in. As a fair provision for such contingencies, it is assumed that the excavation will extend an average distance of one (1) foot outside the net line in the roof and sides and six (6) inches below the net line in the floor, and measurements for payment in tunnel excavation in earth will be made to those lines. It is distinctly understood, however, that no such allowances or any other allowance in tunnel excavation will be made in connection with timbering in tunnel excavation in rock.

Chambers, Drains, etc.

Section 121. Excavations for chambers, for skewbacks of arches, for sump holes, drains or for any other purpose in the tunnel, are to be measured according to the lines of the cross-sections determined by the Engineer, and paid for by the cubic yard as tunnel excavation.

Additional Enlargement.

Section 122. If after the excavation has been made of a certain size by direction of the Engineer, he is of opinion that the nature of the rock or other material is such that the form and dimensions of the masonry for which said excavation was intended must be increased, he may order an enlargement of the excavation for the purpose of building masonry of greater thickness, and the Contractor is to make such enlargement, which is to be measured according to the lines given by the Engineer, and paid for at the price per cubic yard stipulated in the schedule for tunnel excavation.

7—Backfilling.

Quality of Material. How Placed.

Section 128. The trenches at the sides of and over the top of the subway and wherever backfilling is necessary, shall be backfilled with sand, gravel or other good clean earth, free from perishable material and from stones exceeding six (6) inches in diameter, and not containing in any place a proportion of stone of or below that size exceeding one (1) part of stone to five (5) parts of earth. The filling shall be compacted by flooding with water or, in cases where flooding with water is not practicable it shall be compacted by ramming in layers, not exceeding six inches in depth.

Subsurface Structures. Frozen Material Not Permitted.

Section 129. Whenever pipes, sewers or other subsurface structures are met with, the filling must be carefully packed, rammed and tamped under such subsurface structures, using special tools for the purpose. No filling of trenches with frozen earth will in any case be permitted, nor will any filling be permitted over frozen material.

Sheeting Removed.

Section 130. As fast as the work of filling permits, sheeting and other timber supporting the sides of the excavation shall be carefully withdrawn, or shall be left in place, as may be directed by the Engineer, and the spaces left by the removal of such material carefully back-filled.

How Paid For.

Section 131. The cost of backfilling is to be included in the prices paid for earth and rock excavation, Schedule Items 1, 2, 2-A, 3 and 3-A.

8—Piling and Timbering.

Piles.

Section 132. 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. shall be not less than twelve (12) inches in diameter at the butt end, or less than shall be not less than twelve (12) inches in diameter at the butt end, or less than six (6) inches in diameter at the point, and shall be driven to the satisfaction of the Engineer and by means of a steam hammer driver if so required by him. If necessary the points of the piles shall be protected by proper shoes, and the butts by rings or caps. Piles shall not be spliced unless permitted by the Engineer, and then in such manner as he directs. Piles shall be carefully cut off to the grade given by the Engineer.

Piles Driven in Required Location.

Section 133. 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 134. The price herein stipulated to be paid, per linear 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 135. 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 136. Payment for piles other than timber piles will be as provided in Article XII. of the contract.

Grillage.

Section 137. Timber grillage foundations shall be built if so directed by the Engineer.

Foundation Timber.

Section 138. All foundation timber shall be of pine or spruce, or other timber permitted by the Engineer, sound and free from shakes. It shall be of such dimensions, and laid in such manner, as the special plans to be issued shall require, and held in place by spikes or good seasoned oak or locust treenails.

Foundation Timber, Measurement and Payment.

Section 139. 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 direction. Payment for foundation timber will be as provided in Schedule Item 13.

9—Cement.

Portland Cement.

Section 140. All cement used in the work shall be true Portland cement, by which is meant the finely pulverized product, resulting from the calcination to incipient fusion of a properly proportioned intimate mixture of argillaceous and calcareous earths or rocks, to which no addition greater than three (3) per cent. has been made subsequent to calcination.

Brand to be Approved.

Section 141. 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 142. 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 143. 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 144. The cement shall have a specific gravity of not less than 3.10 nor more than 3.25 after being thoroughly dried at a temperature of 212 degrees Fahr. The color shall be uniform, bluish gray, free from yellow or brown particles.

Chemical Analysis.

Section 145. Chemical analyses of cement made from time to time shall show a reasonably uniform composition. Cement shall not contain more than 1.75 per cent. of sulphuric anhydride (SO_3) nor more than 4 per cent. of magnesia (MgO).

Fineness.

Section 146. The fineness of the cement shall be such that it shall leave by weight a residue of not more than eight (8) per cent. on a No. 100, and not more than twenty-five (25) per cent. on a No. 200 sieve; the wires of the sieves being respectively 0.0045 inch and 0.0024 inch in diameter.

Time of Setting.

Section 147. 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 148. 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 149. 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) pounds; at the end of seven (7) days—one (1) day in air, six (6) days in water—of not less than five hundred (500) pounds; and at the end of twenty-eight (28) days—one (1) day in air, twenty-seven (27) days in water—of not less than six hundred (600) pounds. The strength at twenty-eight (28) days shall not be less than that at seven (7) days.

Mortar Briquettes.

Mortar briquettes, composed of one (1) part of cement and three (3) parts of standard Ottawa sand, by weight, shall have at the end of seven (7) days—one (1) day in air, six (6) days in water—a breaking strength, per square inch of sectional area, of not less than two hundred (200) pounds; 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) pounds. The strength at twenty-eight (28) days shall show an increase of not less than fifty (50) pounds over the strength at seven (7) days.

Long-time Tests.

Section 150. 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 further use of that brand and to require that another brand be substituted.

Storage During Tests.

Section 151. 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 152. Cement shall be packed and delivered in canvas sacks or other strong, well-made packages, plainly marked with the manufacturer's brand, and sealed in an approved manner. The weights of such packages shall be uniform.

Methods of Storing.

Section 153. The Contractor shall at all times keep in store on the work, or at some point convenient thereto, an abundant supply of cement, so as to guard against possible shortage. It shall be stored in a weather-tight building, with a tight floor a proper distance above the ground, and with sufficient floor space to admit of storing each lot of cement, of not more than two hundred (200) barrels, or its equivalent, separately, so as to facilitate identification of each individual lot in case of necessity for further tests or rejection. Cement that has become partially set or otherwise damaged shall not be used.

10—Mortar.

Cement and Sand. Mixing.

Section 154. 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 155. For purposes of mixture, three hundred and seventy-five (375) pounds of Portland cement shall be estimated at three and one-half (3½) cubic feet of volume. The proportional parts of sand and stone or gravel shall be by volume as cast into the measuring box. The proportions for brick and stone masonry shall be one (1) part cement to two (2) parts sand; for pointing, one (1) part cement and one (1) part sand; for concrete masonry, as specified under the head of concrete; and for

other classes of work, as directed by the Engineer; for grout, one (1) part of cement to one (1) part of fine sand.

11—MASONRY.

Laid in Portland Cement.

Section 156. All masonry, except as otherwise specified, shall be laid in Portland cement mortar, and shall be built of the forms and dimensions shown on the plans, or as directed by the Engineer from time to time; and the system of joining or bonding ordered by the Engineer shall be strictly followed.

Water Not to Interfere With.

Section 157. Care must be taken that no water shall interfere with the proper laying of masonry in any of its parts.

Freezing Weather.

Section 158. During freezing weather such masonry only shall be built whose construction, in the judgment of the Engineer, can not be postponed, except at the cost of delaying the work. The Contractor shall provide such appliances as are necessary for heating the water and the materials used in the masonry according to the specific instructions of the Engineer.

Protected in Freezing Weather.

Section 159. 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 160. 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 161. Unless otherwise permitted, every joint that is to be pointed shall be raked out, within two days after being laid, to a depth of at least two inches.

Section 162. Pointing of the face joints of masonry shall be thoroughly made with cement mortar mixed in the proportion of one (1) part of cement to one (1) part of sand, except where otherwise specially provided.

Section 163. No pointing shall be done in freezing weather, and masonry laid between December 1 and April 1 shall not be pointed until permitted by the Engineer.

Defective Masonry.

Section 164. 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 165. All stone before being laid shall be thoroughly cleaned and washed if so directed by the Engineer.

12—CONCRETE.

How Composed.

Section 166. The concrete shall be composed of gravel or broken stone, or a mixture of both, free from all dust and dirt, and mixed together with the proportion of mortar specified below.

Sand.

Section 167. Sand for concrete shall be of the kind herein specified for mortar.

Stone.

Section 168. Stone for concrete shall be sound, clean gravel, or sound, hard, broken limestone, or trap rock, or a mixture of such gravel and broken stone may be used.

Sizes of Stone.

Section 169. Broken stone or gravel for concrete shall be graded from fine to coarse, and that which is all of one size, or practically so, shall not be used. It shall be screened or washed so as to remove all dust, and it shall contain no pieces that will pass through a hole three-eighths (⅜) inch in diameter, and no pieces that will not pass through a hole one and one-half (1½) inches in diameter. Broken stone or gravel for concrete, graded as above, but between three-eighths (⅜) and three-fourths (¾) inch in diameter, may be required and used in special parts of the work.

Rubble Concrete.

Section 170. In concrete, where the thickness is thirty (30) inches or more, if permitted by the Engineer, the Contractor may embed in the same pieces of sound stone whose greatest diameter does not exceed twelve (12) inches and whose least diameter or thickness is not less than three-quarters (¾) of the greatest diameter. These stones shall be set by hand in the concrete as the layers are being rammed, and so placed that each stone is completely and perfectly embedded. No two (2) stones shall be within six (6) inches of each other and no stones within four (4) inches of an exposed face, nor shall any such stone be placed nearer than six (6) inches to any metal built in the concrete for reinforcing the same.

Proportions.

Section 171. The proportions of cement, sand and stone (or gravel) used in making concrete shall be as follows:

Section 172. Concrete in floor, sidewalls and roof one (1) part of cement, two (2) parts of sand and four (4) parts of stone. Concrete for tube tunnels under the Harlem River will be as indicated on the plans.

Section 173. Protective concrete outside of waterproofing lines on sides and roof, one (1) part of cement, four (4) parts of sand and eight (8) parts of stone.

Mixing by Machine.

Section 174. Whenever practicable, concrete shall be machine mixed. A rotary machine of a pattern approved by the Engineer, and mixing only one batch at a time, shall be used.

Mixing by Hand.

Section 175. 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 176. 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 177. Concrete to which waterproofing is to be applied shall be made smooth at the time of laying and shall be carefully protected from injury by barricades or otherwise, if necessary, until thoroughly set.

Time for Hardening.

Section 178. Concrete shall be allowed to set for twelve (12) hours, or more, if so directed, before any work shall be laid upon it; and no walking over or working upon it shall be allowed while it is setting. Concrete shall not be flooded with water before being thoroughly set.

Rock Surface to be Cleaned.

Section 179. Before laying concrete on rock surfaces the latter shall be swept clean of all debris and dirt, and when laid on earth the earth shall be rammed as directed before placing the concrete.

Surface Rough for Bonding.

Section 180. Wherever a section of concrete is necessarily left unfinished, leaving a surface which will be hard set before additional concrete is laid, the surface shall be left rough to form a bond with the new work; and if deemed necessary by the Engineer, the points shall be reinforced with steel bars or dowls, to be furnished by the Contractor.

Joints Cleaned.

Section 181. In all cases of joints of old with new work the old surfaces shall be thoroughly cleaned and wet, and a coating of mortar or cement shall be applied, if required, before placing the concrete.

Forms.

Section 182. Suitable forms shall be provided by the Contractor to support the concrete while being placed in the walls or roofs. These forms shall be immediately replaced by new ones as soon as they commence to lose their proper shape. Before being used they shall be carefully cleaned of cement and dirt in order to provide a perfectly smooth face to the exposed surface of the concrete. The forms shall be made of wood, kept carefully planed; or made of metal sufficiently thick to retain their shape without the use of wood.

Section 183. No forms made of wood, and covered with iron will be permitted.

Section 184. The forms, if made of wood, shall be made of boards with tight joints, tongued and grooved, if required by the Engineer.

Precautions in Placing.

Section 185. Every precaution shall be taken in placing or assembling the forms to do so in such a manner that when removed, after the concrete has been placed, the faces of the concrete that are to remain exposed shall present a smooth and even surface.

Forms, How Set. Forms Removed. Surface Irregularities Corrected. Defective Work Replaced.

Section 186. 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 187. 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 188. The exposed faces of the concrete, excepting within station limits, shall be left with the natural cement finish; therefore, immediately following the removal of the forms, followed by the removal of the projections and the filling of voids, as provided above, these entire surfaces shall be rubbed down in such a manner, approved by the Engineer, as will leave a smooth and even surface, the object in view being to obtain a generally smooth finished surface with uniformity in color.

Impervious to Water.

Section 189. It is intended to obtain concrete impervious to water; the concrete shall be mixed and deposited with this end in view, and on the roof of the Railroad, if waterproofing is not used, the top surface of the concrete shall be carefully troweled as may be directed in order to add to its imperviousness.

Concrete, How Measured and Paid For.

Section 190. Concrete masonry shall be measured in place in the work to the prescribed net lines ordered by the Engineer and shall be paid for at the prices in Schedule Items 6 and 7; which prices are to include the cost of all scaffolding, centres, forms, etc., and removing the same, and all work incidental thereto.

Backing or Filling Concrete, Not Paid For.

Section 191. No concrete backing or filling outside of the ordered net lines of excavation will be paid for.

(For Concrete in Sewers, see Sewers.)

13—BRICK MASONRY.

Quality.

Section 192. 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 193. Hollow terra cotta blocks or bricks may be required in station work, on the outside of walls of the structure or at such other places as the Engineer may direct. They shall be of the best porous terra cotta as approved by the Engineer, and shall be laid in such manner as hereinafter specified or as the Engineer may direct.

How Laid.

Section 194. All brick masonry shall be laid in mortar of the quality above described, except that in exposed locations coloring matter may be added, if required by the Engineer. The bricks shall be laid to line with joints in the face work (except in stations) not exceeding one-quarter (¼) of an inch in the beds, and three-eighths (⅜) of an inch on ends; the bricks to be thoroughly wet before laying and to be completely embedded in mortar under the bottom and on the sides and ends at one operation, care being taken to have every joint full of mortar.

All exterior surfaces shall be smooth and regular.

Cleaned.

Section 195. The inside faces of all arches and other exposed parts shall have all the mortar scraped off and washed clean immediately after the centres have been struck, and shall be pointed and left in neat condition.

No "Bats" or Culls.

Section 196. All bricks of whatever nature shall be carefully culled and, if necessary, gauged before laying, at the expense of the Contractor. No "bats" shall be used except in large masses of brickwork, where a moderate proportion, to be determined by the Engineer, may be used, but nothing smaller than half bricks.

Racked or Toothed.

Section 197. All unfinished work shall be racked 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 198. Where necessary to make a neat joint in connection with steel framework, or at corners, curves, or other similar places, special bricks of proper shape shall be furnished and used. All centres and forms shall be made to fit the curves of the work; they shall be put up and removed in a manner satisfactory to the Engineer.

Measurements and Payments.

Section 199. Brick masonry shall be measured to the lines indicated and shown on the plans and as ordered by the Engineer and shall be paid for as herein stipulated in Schedule Item 9, for common brick masonry, and Item 10 for hollow terra cotta brick or tile masonry; these prices are to include the cost of all scaffolding, forms, centres, etc., and the removal of the same, of all plastering and pointing, and of all other work incidental thereto.

14—Stone Masonry.

Rubble Stone Masonry, Where Used.

Section 200. Rubble stone masonry will be used for supporting the street railroads over the roof of the Railroad where permanent supports are required, or at such other places as the Engineer may require.

How Laid.

Section 201. Rubble stone masonry shall be made of sound, clean stone of suitable size, quality and shape for the work in hand and shall be laid in mortar mixed in the proportion of one (1) part of cement to three (3) parts of sand. All beds and joints shall be well filled with mortar and the work must be thoroughly bonded.

Measurements and Payments.

Section 202. Rubble stone masonry shall be measured in place in the work and to the lines ordered by the Engineer, and it shall be paid for as herein stipulated under Schedule Item 8.

Other Masonry.

Section 203. In case, during the progress of the work, stone masonry of a different class than that specified above shall become necessary and shall be required by the Engineer, the same shall be constructed according to specifications applicable to the best work of such class, and it shall be paid for as provided in Article 12 of the contract.

15—Waterproofing.

General Limits of Waterproofing.

Section 204. In general, waterproofing of the structure will be limited to the roof and sidewalls at the stations, and to those surfaces near ground water or mean high water if ground water level is found for any reason to be below mean high water. At other places free drainage shall be provided by pipe drains, hollow tile or broken stone.

Protecting Masonry.

Section 205. The protecting masonry shall be hollow terra cotta blocks, common brick or concrete, laid and paid for as herein elsewhere provided, and shall not be less than four inches in thickness.

Laid Against Sheeting.

Section 206. 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 207. All surfaces to which waterproofing is to be applied shall be made as smooth as possible; on these surfaces there shall be spread either hot melted pitch or asphaltum in a thick layer of uniform thickness; on this layer of pitch or asphaltum shall be laid a treated woven fabric of such material as may be approved by the Engineer; this process shall be repeated until such number of layers as may be required by the Engineer have been placed and a final coat of pitch or asphaltum shall then be applied.

Definition of Term "Ply."

Section 208. The term "ply" as used in these specifications shall mean a layer of treated woven fabric, both sides of which shall be coated with pitch or asphaltum at the time of laying.

Number of "Ply."

Section 209. The number of plies of waterproofing on the sides at stations shall in no case be less than three (3), except as hereinafter provided where brick laid in asphalt mastic is used.

Brick in Asphalt Mastic.

Section 210. Over the roof of the structure within station limits and over the tracks passing through the stations within said limits, also on the sides and bottom of the structure below a line of two (2) feet above ground water, or if ground water is below mean high water level, then two (2) feet above mean high water, one (1) ply of waterproofing, as described above, shall be used with one or more layers of brick laid in asphalt mastic; the number of layers of bricks to be determined by the Engineer.

In any case where brick laid in asphalt mastic is not used, the number of plies shall be as local conditions require and as directed by the Engineer.

Quality of Brick.

Section 211. 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 212. Brick in asphalt mastic will be measured in place to the lines ordered by the Engineer, and will be paid for at the price herein stipulated, Schedule Item 16.

Section 213. 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 214. Asphalt mastic shall contain one-third (1-3) pure bitumen, the other ingredients to be sand and lime dust or cement, in proportions governed by local requirements and weather conditions.

Leaks Stopped.

Section 215. Any masonry that is found to leak at any time prior to the completion of the work and final acceptance thereof by the Commission shall be cut out and the leak stopped, at the sole expense of the Contractor.

Quality of Pitch.

Section 216. Pitch shall consist of either coal-tar or natural asphalt as the Engineer shall elect; it must be delivered on the work in packages that are plainly marked with the manufacturer's brand, and indicating the grade and quality of the material.

Coal-tar Pitch.

Section 217. The coal-tar pitch shall be straight-run pitch containing not less than twenty-five (25) per centum and not more than thirty-two (32) per centum of free carbon, which will soften at approximately 70° F., and melt at 100° F., being a grade in which distillate oils distilled therefrom shall have a specific gravity of 1.05.

Quality of Asphalt.

Section 218. The asphalt used shall be the best grade of Bermudez, lake or other natural asphalt, subject to the approval of the Engineer, and shall comply with the following requirements:

The asphalt shall contain in its refined state not less than ninety-five (95) per cent. of natural bitumen soluble in rectified carbon bisulphide or in chloroform. The remaining ingredients shall be such as not to exert an injurious effect on the work. Not less than two-thirds (2-3) of the total bitumen shall be soluble in petroleum naphtha of seventy (70) degrees Baume or in acetone. The asphalt shall not lose more than four (4) per cent. of its weight when maintained for ten (10) hours at a temperature of three hundred (300) degrees Fahrenheit.

Woven Fabric for Waterproofing.

Section 219. The fabric to be used shall be a woven fabric which shall have been treated with pitch or asphaltum before being brought on the work. The fabric and the material used in its treatment shall be approved by the Engineer.

Concrete to Be Dry.

Section 220. All concrete shall be dry before waterproofing is attached. If, in the judgment of the Engineer, it is impracticable to have the concrete dry, then there shall be first laid a layer of the treated fabric, on the upper surface of which is to be spread the first layer of pitch or asphaltum; the said layer of fabric shall then be counted as one of the required plies.

Each layer of pitch or asphaltum fluxed as directed by the Engineer must completely and entirely cover the surface on which it is spread without cracks or blowholes.

Fabric for Waterproofing to Be Carefully Laid.

Section 221. The fabric must be rolled out into the pitch or asphaltum while the latter is still hot, and pressed against it so as to insure its being completely stuck over its entire surface, great care being taken that all joints are well broken by overlapping, and that the ends of the rolls of the bottom layers are carried up on the inside of the layers on the sides, and those of the roof down on the outside of the layers on the sides so as to secure a full lap of at least one (1) foot. Especial care must be taken with this detail.

Section 222. 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 223. None but competent men, especially skilled in work of this kind, shall be employed to lay the waterproofing.

Measurements and Payments.

Section 224. Measurements will be made on the basis of actual area covered by the number of plies ordered, no account being taken of laps, and the waterproofing will be paid for as herein stipulated, Schedule Item 15.

16—Steel and Iron.

Open Hearth Process.

Section 225. Steel shall be made in open hearth furnace.

Chemical and Physical Properties.

Section 226. The chemical and physical properties of finished material shall conform to the following limits:

Properties	Structural Steel.	Carbon Rivet Steel.	Steel Castings.
Phos. (Max.)	.04%	.04%	.05%
Sulph. "	.05%	.04%	.05%
Mn. "	.60%	.60%	.80%
Si. "	.10%	.10%	.35%
Ult. Str.	60000±4000	50000±4000	65000±(Min.)
Yield Point	55% Ult.	55% Ult.	35000±(Min.)
	1500000	1500000	
Elongation	Ult. Str.	Ult. Str.	20% in 2"
Fracture	Silky.	Silky.	Fine granular.
Cold Bend	180° flat.	180° flat.	120° (d.=3+.)

Yield Point.

Section 227. The yield point shall be that strain, beyond which the elongation ceases to be proportional to the weight imposed, and may be indicated by drop of beam. The speed of testing shall be governed by the inspector.

Finish.

Section 228. Sufficient discard shall be made to insure sound material free from piping or excessive segregation. The material shall be finished straight and smooth, and shall be free from all seams or other defects. Any imperfection which may develop during the progress of the work will be sufficient cause for rejection.

Steel Castings.

Section 229. Steel castings shall be true to pattern and free from injurious imperfections.

Standard Test Pieces.

Section 230. The tensile strength, yield point and ductility of the material shall be determined from a standard test piece of not more than two (2) inches in width, and about one-half (½) square inch in sectional area, cut from a full sized bar, with sides turned or planed parallel so as to give a uniform minimum section for at least nine (9) inches. Whenever practicable the two sides of the test piece shall be left as they come from the rolls, but the finish on opposite sides shall be alike in this respect.

Specimens for Bending.

Section 231. Specimens for bending shall be cut from the material as rolled.

Rivet Rods.

Section 232. Rivet rods shall be tested as rolled.

Steel Castings.

Section 233. For steel castings the test piece shall be turned to a uniform minimum section of one-half (½) inch diameter, for a length of at least two and one-half (2½) inches. Specimens for bending shall be one (1) inch by one-half (½) inch in section.

Ductility Elongation.

Section 234. In determining the ductility, the elongation shall be measured after breaking on an original length as specified, in which length shall occur the curve of reduction each side of the point of fracture.

Where Taken From.

Section 235. For rollers the specimens shall be cut from the finished bar so that the centre of the specimen shall be one inch from the outside of the bar.

Section 236. For steel castings the specimens shall be cut from coupons cast on some portion of a casting from each melt, and shall be annealed with the casting before it is cut off.

Treatment of Test Specimens.

Section 237. The material from which test specimens are cut shall receive the same treatment as the material which it represents in the finished structure.

Number of Tests.

Section 238. At least one tensile and one bending test shall be made from each melt of steel as rolled. In case steel differing three-eighths (⅜) inch or more in thickness is rolled from one melt, a test shall be made from the thickest and from the thinnest material rolled.

Variation in Weight.

Section 239. A variation in weight of any piece of steel of 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 240. Each finished piece of steel shall be marked with the melt number, excepting that bars for reinforcing concrete shall be bundled and the melt number stamped on a metal tag attached to each bundle.

Wrought Iron.

Double Rolled.

Section 241. All wrought iron shall be double rolled, and no scrap used in its manufacture. It shall be thoroughly welded in rolling, shall be tough, ductile, and fibrous, and shall be finished straight and smooth. It shall be uniform in quality and free from surface defects.

Method of Testing.

Section 242. The methods specified for testing rolled steel shall apply generally to wrought iron. It shall show by the standard test piece an ultimate strength of fifty thousand (50,000) lbs. per square inch, and a yield point of twenty-six thousand (26,000) lbs. per square inch. It shall bend one hundred and thirty-five (135) degrees with inner radius not to exceed twice the thickness of the piece tested. When nicked and bent the fracture shall show at least ninety (90) per centum fibrous.

Cast Iron.

True to Pattern.

Section 243. All castings shall be true to pattern, out of wind and free from injurious imperfections. They shall be of a good quality of tough gray iron made by the cupola process. Sample test pieces, cylindrical in shape, one and one-quarter (1¼) inches in diameter, and fifteen (15) inches long, cast under the same circumstances as those which attended the casting of the full-sized piece, shall sustain at the

centre, when resting upon two dull knife edges twelve (12) inches apart, a load of three thousand (3,000) lbs. with a deflection of at least one-tenth (1/10) of an inch before rupture.

WORKMANSHIP.

Quality.

Section 244. All workmanship shall be first class. All parts exposed to view shall be neatly finished. All nuts on the finished structure shall be hexagonal.

Rods Deformed Sections.

Section 245. Rods and bars to be used for reinforcing concrete shall be deformed as approved by the Engineer; plain bars will not be used.

Bent Rods and Bars.

Section 246. Bent rods and bars and other bent material shall be bent hot and annealed, except that obtuse bends in material less than one square inch section may be made cold when permitted by the Engineer. The bending shall be done before the material is delivered on the work. Except in special cases, all bends shall be made uniformly to template.

Material Straightened in Shop.

Section 247. All material shall be straightened in the shop before being worked in any way.

Holes Accurately Spaced.

Section 248. All holes shall be accurately spaced and punched. Unfair holes shall be reamed to exact match; drifting to enlarge the holes will not be allowed. Poor matching of holes will be cause for rejection.

Size of Punch.

Section 249. In punching, the diameter of the punch shall not exceed by more than one-sixteenth (1/16) of an inch, the diameter of the rivet to be used, and the diameter of the die shall be as small as may be required to punch a clean hole. When the materials to be sub-punched and reamed, a punch of diameter three-sixteenths (3/16) of an inch smaller than specified above shall be used, and all reaming shall be done after the material is assembled, with twist drills of one-sixteenth (1/16) of an inch greater diameter than the rivet to be used.

Sub-punching and Drilling.

Section 250. All material over seven-eighths (⅞) of an inch thick shall be drilled from the solid. Material over five-eighths (⅝) of an inch and not exceeding seven-eighths (⅞) of an inch in thickness shall be sub-punched and reamed. All other material may be direct punched.

Sheared Edges.

Section 251. Sheared edges of material exceeding five-eighths (⅝) of an inch in thickness, to be used in main members shall be planed at least one-eighth (⅛) of an inch.

Burrs Removed.

Section 252. All burrs shall be removed, and the members shall have all parts firmly drawn together with bolts before reaming or riveting is commenced.

Riveting.

Section 253. Rivets when driven shall completely fill the holes, and shall be machine driven wherever possible. They shall have full concentric heads or they shall be countersunk when so required. Rivet heads shall not be flattened to less than half the diameter of the rivet on the line of the shank unless countersunk.

Use of Bolts.

Section 254. Generally the use of bolts instead of rivets will not be permitted, but when used in special cases the holes shall be reamed parallel, and the bolts turned to a driving fit.

Templates.

Section 255. All holes for field rivets, excepting those in connections of lateral and sway bracing, shall be sub-punched and accurately drilled to an iron template, or reamed and match marked while the connecting parts are temporarily assembled in the shop. In case of splices of upper chords or other compression members, the abutting members shall be brought to a forcible contact.

Finished Members.

Section 256. Finished members shall be true and free from kinks, twists, or open joints. Ends of floor beams and stringers shall be finished square and true.

Rods Upset.

Section 257. 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 258. Steel, except in minor details, which has been partially heated, shall be properly annealed. All steel castings shall be annealed.

Abutting Surfaces Faced.

Section 259. All abutting surfaces, except flanges of plate girders, shall be neatly planed or faced perpendicular to the direction of the strain, so as to insure even bearings.

Stiffeners.

Section 260. Stiffeners of plate girders shall fit neatly against the flange angles. Web splice plates and fillers under stiffeners shall be cut to fit within one-eighth (⅛) of an inch of flange angles.

Pins and Rollers.

Section 261. Pins and rollers shall be turned accurately to a gauge, and shall be of full size throughout. All pin-holes shall be bored truly and at right angles to the axes of the members to be connected, and shall fit the pins with a play not exceeding one thirty-second (1/32) of an inch.

Bed Plates Planed.

Section 262. Bed plates shall be planed. The bottom of the shoes shall be planed exactly parallel to the centre line unless otherwise shown. The cutting of the planing tool shall be in the direction of expansion.

Details Boxed.

Section 263. Nuts, bolts, rivets and other details shall be boxed.

Weight Marked.

Section 264. The weight of every piece and box shall be plainly marked upon it.

Inspection.

Section 265. Free access and information shall be given by the Contractor for a thorough inspection of material and workmanship, with proper office facilities.

Mill Orders in Triplicate.

Section 266. The Engineer shall be furnished copies in triplicate of all mill orders, and no material shall be rolled nor work done before the Engineer has been notified so that he may arrange for the Inspector.

Contractor Responsible.

Section 267. The Inspector shall make detailed reports of his inspection to the Engineer and may notify the Contractor of any defects in the material or workmanship, but all acceptances made by him shall be considered temporary, and his inspection shall in no way relieve the Contractor of full responsibility for the character and accuracy of the work until its completion and final acceptance by the Engineer.

Errors in Plans.

Section 268. The Contractor shall be responsible for all errors which can be discovered by checking or examining the plans.

Chemical Analysis.

Section 269. Chemical determination of the percentage of carbon, phosphorus, sulphur and manganese shall be made by the manufacturer from a test ingot, so taken, during the casting of each melt of steel, as to fairly represent the melt. Two copies of such analysis shall be furnished to the Engineer or his Inspector.

Check Analysis.

Section 270. Check analysis shall be made, at the discretion of the Engineer, of the finished material, on drillings from pieces selected by the Inspector from parts suspected of being most highly segregated. These analyses shall not show a variation above the ladle analysis of more than twenty-five (25) per centum for phosphorus, nor more than fifty (50) per centum for sulphur. The analyses shall be made by a chemist designated by the Engineer.

Contractor to Make Tests.

Section 271. The Contractor shall furnish, without extra charge, such standard test pieces as may be necessary to determine the uniform quality of the material and also the use of a reliable testing machine, with necessary labor for testing.

Inspector's Office.

Section 272. 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 273. All parts shall be carefully loaded and protected from injuries during transportation by such means as will be satisfactory to the Inspector. After delivery of materials at the work the Contractor will be required to store the same on skids at least twelve (12) inches above the ground and to keep the same in good condition. Any piece showing injurious effects of rough handling at any stage until the final acceptance of the work may be rejected.

Payments for Steel and Cast Iron.

Section 274. The prices to be paid for steel and cast iron are as herein provided in Schedule Items 19, 20, 21, 22, 23 and 24. These prices include the cost of material delivered and erected in the work, with the exception of Item 23, the placing of which is provided for in Item 22. These prices are to include also the cost of all necessary cleaning and painting (where painting is required) and of all other incidental work. The quantity of metal to be paid for shall be the number of pounds actually placed in accordance with the drawings or orders.

Miscellaneous Castings.

Section 275. For other castings, not included in the above and not including castings for sewer work or pipes, payment will be made as provided in Schedule Item 25.

WIRE MESH.

Wire Mesh.

Section 276. Wire mesh, of a character and weight to be approved by the Engineer, is to be furnished and placed around the lower flanges of the roof girders, and at other places as may be required, in order to hold the concrete in place.

Wire Mesh, Payment For.

Section 277. Wire mesh, wherever used, will be paid for as stipulated in Schedule Item 26, which price is to include the material in place and all work necessary and incidental thereto.

17—PAINTING.

Section 278. All metal work, excepting as otherwise herein provided, shall be painted with three coats of paint, including the shop coat, of kind and quality approved by the Engineer. Lead or carbon paint will generally be required.

Shop Coat.

Section 279. All iron shall be scraped free from scale, and receive one coat of red lead paint as herein specified before leaving the shops. All surfaces which come in contact or are enclosed shall be painted before being assembled. All turned or faced surfaces shall receive a coat of white lead and tallow before leaving the shops.

Quality of Red Lead.

Section 280. The red lead shall be strictly pure, and shall contain at least 80 per cent. of "true lead" ($Pb_3 O_4$). The color shall be a clean, pure tint. The red lead shall be of the fineness that when washed with water through a No. 19 silk bolting cloth, not more than 1 per cent. shall be left on the screen.

Quality of Linseed Oil.

Section 281. The linseed oil must be absolutely pure, fully aged and ripened, well settled oil. It shall be perfectly clear on receipt, and after heating to 212° Fahr. on a current of hydrogen, shall not show a deposit of foots nor a loss of over 0.4 per cent. for raw oil, nor over 0.2 per cent. for boiled oil. The specific gravity at 60° Fahr. for raw oil shall be between 0.932 and 0.937, and for boiled oil between 0.936 and 0.940.

Original Packages.

Section 282. All material shall be delivered, inspected and sampled in original packages.

Proportions in Mixture.

Section 283. Red lead paint shall be mixed in the proportion of 500 pounds of red lead to 5½ gallons of boiled linseed oil, and 11 gallons of raw linseed oil.

Damaged Shop Coat to be Renewed.

Section 284. Where the shop coat has become damaged before or after erection, through any cause whatever, it shall be renewed with the same kind of paint as originally used, such renewal to be considered only as a part of the original shop coat. If the Engineer so directs, on members or parts of members buried in concrete the shop coat will be omitted.

Structural Steel and Rods.

Section 285. Structural steel and rods to be embedded in concrete shall be protected from the weather before being put in place, and shall be cleaned and scales removed but not painted before being incased in the concrete.

Second Coat Carbon Paint.

Section 286. The second coat of paint shall be a carbon paint approved by the Engineer. It shall be applied after erection, but not until the metal has been cleaned from dirt or other objectionable matter that may be found thereon.

Metal to be Cleaned After Erection.

Section 287. After erection the metal shall be thoroughly cleaned of all dirt, rust or scales by stiff wire brushes or sand blasts, as directed, and afterward dusted and thoroughly and evenly painted as described above. No paint shall be applied until the cleaning has been passed upon by an Inspector.

Section 288. Between stations the exposed members shall be given a third coat, which shall be a carbon paint of a color and quality approved by the Engineer.

Third Coat, When Applied.

Section 289. The third or finishing coat shall be applied to all exposed surfaces of the metal after its erection, and after a completion of the masonry or other work; it shall be applied at such time after such completion and before the final acceptance of the work as in the judgment of the Engineer may be advisable. The several field coats shall be sufficiently tinted to be distinctive.

Surfaces in Contact.

Section 290. Surfaces of exposed members inaccessible after erecting, shall be cleaned and painted before erecting.

Recesses, etc.

Section 291. All recesses that might contain water, or through which water could enter, must be filled with thick paint or a waterproof cement of ground skins before receiving final painting.

Section 292. All surfaces so close together as to prevent the insertion of a brush, must be painted thoroughly by using a piece of cloth, if necessary.

Rainy or Freezing Weather.

Section 293. No painting in rainy or freezing weather or on wet surfaces will be permitted.

Payments.

Section 294. Payment for painting is included in the prices for steel and iron.

18—Ducts and Conduits.

Vitrified Ducts—Quality and Size.

Section 295. The ducts to contain cables for transmitting electricity shall be manufactured of the best clay, thoroughly mixed, burnt and vitrified, sound in all respects, straight and free from soft spots, stones, cracks or blisters liable to impair their strength or durability; in lengths generally of from eighteen (18) to thirty-six (36) inches, shorter lengths shall only be used as directed; generally in four-way form with circular holes, the least diameter to be three and one-half (3½) inches; one, two or three-way ducts shall be used in special cases as determined by the Engineer. The interior surface of the holes to be smooth and clear of warts, tits, pits or blisters, which may tend to injure the electric cable in pulling the same through the duct. The ends to be cut smooth and at right angles to the axis of the duct and beveled on inside for three-quarters (¾) of an inch.

Thickness of Ducts.

Section 296. The outside walls and webs of four-way ducts to be three-quarters (¾) of an inch thick; the outside dimensions of ducts to be not less than nine and one-quarter (9¼) nor more than ten (10) inches, and constructed square on outer lines; the dimensions of single, two-way or three-way ducts shall be consistent with the above.

Ends Combed.

Section 297. The ends of ducts to be combed with two (2) sets of three (3) combings each, each combing to have a width of one-quarter (¼) of an inch and a depth of one-sixteenth (1/16) of an inch.

Glaze.

Section 298. The inside and outside of ducts to be thoroughly glazed in the most approved manner with good salt glaze.

Inspection.

Section 299. All ducts to be subject to inspection, both at the place of manufacture and on the work. All rejected ducts to be promptly removed by the Contractor at his expense.

How Laid.

Section 300. 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 by 60 count, weight not less than four (4) ounces to the yard and width thirty-six (36) inches. In laying the ducts care must be taken to close abutting joints so that practically the end of ducts shall be in contact on all sides. Where ducts are laid on curves, the wraps must be doubled if required, to protect the openings between the ends of the ducts on the outer line of the duct and to exclude all mortar from duct openings.

Mandrels.

Section 301. 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 302. The ducts shall be laid with dowel pins, at least two pins on the opposite sides horizontally.

Laid to Line.

Section 303. The ducts shall be so laid that the centre of the holes shall be true to line and grade.

To be Rodded.

Section 304. After the ducts are laid, and sufficient time is given to allow the mortar in beds to partially 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 of three and one-half (3½) inches in all duct openings, the ducts shall be removed and relaid; all ducts, during construction and after being rodded, shall be plugged with suitable plugs, to be furnished by the Contractor. If wooden plugs are used they shall be immersed in water for at least eight (8) hours before being put in place.

Measurement and Payment for Vitrified Ducts.

Section 305. Tunnel ducts shall be paid for per duct foot in place at the price herein stipulated for tunnel ducts, Schedule Item 18, which price shall include the cost of furnishing, laying, rodding and all the material and work incidental thereto. The tunnel ducts to be provided under Schedule Item 18, shall include only those intended solely for the purpose of the operation of the Railroad.

Duct Manholes.

Section 306. Duct manholes shall be built at the sides of the railroad in connection therewith and as indicated on the plans. These manholes shall be generally at intervals of about three hundred feet, and shall be on either or both sides of the Railroad, as necessary, in accordance with the location of the duct lines. They may vary in form as may be necessary to accommodate the work to local conditions.

Duct Manholes at Stations.

Section 307. Duct manholes will be built at the ends of the stations to provide for the passage of the ducts under the station platforms, and if found necessary on account of the lengths of stations, additional manholes will be constructed under the platforms.

Section 308. At manholes the ducts will be laid to conform to the special conditions.

Section 309. In all work where iron pipe or fibre conduits are installed for a part of their length in the structure and for another part as open construction, the ends of such runs shall be carried outside of said structure as open construction and shall terminate in outlet or junction boxes located by the Engineer.

Section 310. The iron pipe or fibre conduits required by section 309 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 311. All iron conduit used for any purpose in connection with the work herein shall be of the best grade (Galvaduct or equal), standard weight wrought iron or steel piping, protected inside and out by a coat of zinc or enamel. It shall be delivered to the work in bundles of full length pipes, each length marked with the trade-mark of the manufacturer. It shall bend cold 90 degrees about a radius equal to ten diameters without signs of flaw or fracture in either pipe or enamel.

Installation.

Section 312. All conduit 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 Watertight.

Section 313. All joints shall be made with standard couplings, well treated with red lead, and screwed up to make a watertight job.

Fibre Conduits, Quality, Laying, etc.

Section 314. All fibre conduit shall be made of impregnated fibre equal to that manufactured by the Fibre Conduit Company of Orangeburg, New York.

It shall be of uniform thickness, having walls of not less than one-quarter (¼) inch and true cylindrical holes not less than two (2) inches in diameter. Lengths shall be not less than five (5) feet, and all ends shall be finished.

All joints shall be made by suitable finished sleeves fitting closely over the ends of the conduit and made watertight by making up with an approved bituminous compound.

After laying, all ducts shall provide a clear, true opening, free from obstructions and imperfections in any way injurious to the wires to be installed. All ducts shall be rodded and cleaned with an approved mandrel not less than one and three-quarter (1¾) inches in diameter and eighteen (18) inches long.

Built in Concrete, etc.

Section 315. Conduits built into concrete or other parts of the structure shall be properly protected and supported, so that the same shall not be injured by the building operations.

Not Built in Concrete.

Section 316. Conduit not built into the structure shall be supported by approved pipe straps located not more than eight feet apart, or in any other manner designated by the Engineer, and they shall be kept boxed or otherwise suitably protected from injury.

Bends and Offsets.

Section 317. 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 318. Measurements for the above iron pipe or fibre conduits shall be per linear foot of single conduit placed in the work—in accordance with the requirements—and payment for the same shall be as herein stipulated in Schedule Item 32.

Outlet and Pull Boxes and Payment for Same.

Section 319. 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 watertight joint. Covers shall be of cast iron and watertight, and no other boxes or covers shall be used except under special permission of the Engineer. The price for each cast iron outlet box furnished and placed in the work shall be as herein stipulated in Schedule Item 33.

19—Drains and Pumps.

Railroad to be Drained.

Section 320. Every part of the Railroad, the stations and appurtenances connected therewith, must be arranged so far as possible that any water finding access thereto will be led away automatically to the City sewers.

Section 321. Where the Railroad is on an inclined gradient, and is constructed in dry, porous soil, the floor of the Railroad may be depended on to act as a conduit. At the bottom of the inclined gradient connections must be made with a sewer or with subdrains lying beneath the Railroad and draining into the sewers.

Subdrains.

Section 322. Along such parts of the work where the soil is not porous, or where the floor of the Railroad cannot, in the judgment of the Engineer, be used as a conduit, there shall be laid, beneath the rail level and on a continuous descending gradient, drain pipes of vitrified salt-glazed stoneware, of the quality described in these specifications for sewer pipe. These drain pipes shall be of such diameter not exceeding fifteen (15) inches, as the Engineer may direct, and there shall be one (1) such drain for each two (2) tracks. Each drain shall be laid in the concrete or directly in the soil with tight or open joints, as directed, and in such manner and in such position as, in the opinion of the Engineer, local circumstances require.

Connections and Cross Drains.

Section 323. 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 324. On the roof of the Railroad and at other points as may be directed or indicated on the plans, broken stone shall be placed for the purposes of drainage.

Sumps.

Section 325. At the low points of the grade of the Railroad where the same passes below the bottom of adjacent sewers there shall be constructed sumps connected with the subdrains or the floor of the Railroad. Such sumps must be watertight, with a capacity of not less than eight hundred (800) gallons each.

Pumps for Tunnel Drainage.

Section 326. Adjacent to each sump a suitable enclosure shall be provided in which two pumps shall be installed, each of which shall have ample capacity to remove all the water entering the sump at that point under ordinary conditions. These pumps shall each have a separate source of power, and shall be arranged to operate antomatically. Under this contract the Contractor will only furnish the pump or pumps required and set them in place as directed, including the necessary pipe and drainage connections between the sumps and sewers.

The pumps shall be of the capacity required by the Engineer.

Capacity.

Section 327. If in the opinion of the Engineer the service requires it, each of these pumps shall be able to remove from the sump eight hundred gallons per minute.

Delivery to Sewers, etc.

Section 328. The delivery of such pumps shall be into the City sewers, and all piping, valves, etc., in connection therewith, shall be installed as a part of this contract.

Payment for Drains, Broken Stone, Pumps, etc.

Section 329. All drains shall be measured in place and the actual net length as laid for each class of drain will be paid for as herein provided in Schedule Item 17. The prices therein provided for each class of pipe will include providing and laying the pipe and all specials of any nature whatsoever such as bends, tees, wyes, handholes, etc., and all materials necessary for jointing the same. Where back-pressure valves or gate valves are required the cost of setting the same will be included in the above, but the Contractor will be paid in addition the actual net cost of such valves plus ten (10) per cent.

Section 330. For broken stone for drainage, furnished and placed, Section 324, payment will be made as provided in Schedule Item 14.

Section 331. For pumps, Section 326, the Contractor will be paid as provided in Article XII. of the contract, not including, however, the pipe connections with sumps and sewers which pipe will be paid for as hereinbefore provided in Schedule Item 17.

Soil Pipes for Stations.

Section 332. 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.

20—Sewers.

In Accordance With Plans and Specifications.

Section 333. 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 334. 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 335. The general clauses in this contract relating to excavation, both in open trench and tunnel, backfilling, cement, mortar, masonry, waterproofing, piling, timber work of all kinds, care of streets and public places, maintenance of surface and subsurface structures, protection of persons and property, repaving or restoring of the surface of the street or other public places, responsibility of the Contractor, authority of the Engineer to examine and condemn materials, and the power of the Commission and the Engineer in all or any other respects to enforce this contract, apply to the construction and reconstruction of sewers, water mains or pavements, unless specifically amended or exempted, both along the route occupied by the Railroad and elsewhere.

No Claims for Damages.

Section 336. Should postponement or delay be occasioned by the precedence of paving or other contracts, which may be either let or executed by the Borough President, Commissioner of Water Supply, Gas and Electricity, or other heads of departments, either before or after the execution of this contract, on the line of the work, no claims for damages therefor shall be made or allowed; nor shall any claim for damages be made or allowed in consequence of the street or the adjoining sewers not being in the condition contemplated by the parties at the time of making the contract, except that if the Contractor shall be delayed in the performance of his work by reason of the street or the adjoining sewers not being in such condition, an allowance of time may be given for the completion of the work as elsewhere provided in this contract.

Size of Trenches.

Section 337. The trenches for sewers and basin culverts both in earth and in rock, in streets along the route of the Railroad, shall have vertical sides and shall be not less than six inches wider than the greatest external width of the sewer or its foundation on the side farthest away from the subway; and in other streets the trenches shall have vertical sides, and shall be not less than six inches wider on each side than the greatest external diameter of the sewer, but shall be not less than three feet in width. They shall be excavated to the depth and to the form of the sewer or its foundation.

Limit of Trench Opening.

Section 338. Not more than one hundred (100) feet of trench in sewers off the line of the railroad shall be opened at any one time in advance of the sewer already completed, unless by permission of the Engineer, and for a distance specified.

Excavation Completed in Advance.

Section 339. 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 340. Where the foundation for a manhole or a receiving basin extends beyond the line of such manhole or receiving basin, the minimum excavation required in earth shall be to the lines of the smallest rectangle, enclosing the full dimensions of the exterior of the foundation, and shall have vertical sides to the surface, but it shall, in all cases, be not less than six inches larger than the greatest external dimension of the manhole or receiving basin. In rock excavation, the trench shall be six inches larger than the greatest external dimension of the manhole or receiving basin, or its foundation, and shall have vertical sides to the surface.

Foundations.

Section 341. Where the ground does not afford a sufficiently solid foundation, the trench shall be excavated to such increased depth as the Engineer may deem necessary, and this extra depth, and all other irregularities in the bottom of the trench, shall be filled up to the required level and form, with such material, and in such manner, as the Engineer shall direct. If so directed, piles shall be driven and a timber or reinforced concrete foundation shall be constructed, as elsewhere provided in these specifications, to support the sewer.

Inspection of Grades.

Section 342. 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 343. The trenches shall be kept entirely free from water while the foundation and the masonry are being constructed or the sewer laid. In no case shall water be allowed to flow over the invert or foundation or through the sewer until the mortar is thoroughly set.

Tunneling.

Section 344. When tunneling for sewers shall be deemed advisable, it shall be done in a manner approved by the Engineer.

Gutter and Passageway to be Kept Open.

Section 345. At all times, gutters shall be kept open for surface drainage, and the streets and sidewalks shall be kept clear and free for the passage of carts, wagons, carriages and street or steam railroad cars or pedestrians, and as otherwise provided in these specifications.

Crosswalk, Sidewalk and Roadway to be Kept Clear.

Section 346. Where any crosswalk 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 347. All curb, gutter, flagging, paving and macadam stones, necessary to be removed, which in the judgment of the Engineer are suitable to be used again, shall be stored in such places as the Engineer shall direct, or shall be removed as provided in these specifications; in all cases a passageway on the sidewalks and in the roadway shall be preserved free from needless obstructions.

Flow of Sewers to be Maintained.

Section 348. The Contractor shall provide for the flow of all sewers, drains and watercourses, interrupted during the progress of the work, and shall restore and make good all connections, and shall immediately cart away all offensive matter, in such manner and with such precautions as the Engineer may direct. All temporary house connections shall be made by closed iron pipes, with suitable provision for preventing leakage at joints. Wooden troughs for such connections will not be permitted.

Brick.

Section 349. In the construction of brick masonry none but the best quality of common brick burned hard entirely through, regular and uniform in shape and size and of compact texture, shall be used. They shall be culled as they are brought on the ground, and bats and bricks of improper quality are to be removed from the work. A limited number of bats may be used in manholes and closures, and in the outer ring of the sewers where more than two rings of bricks are required.

How Laid.

Section 350. 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 points to be carefully struck on the inside.

Racked Back or Toothed.

Section 351. 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.

Back or Stone Inverts.

Section 352. 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 watertight 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 353. The arches or upper curves shall be formed on strong centres of correct form, according to the sizes and shapes required, and keyed with stretchers in full joints of mortar. The extrados of the arch shall be plastered with mortar one inch thick, mixed in the proportion of one part of cement to two parts of sand. The centres shall not be removed or withdrawn in less than thirty-six hours, or until the work is thoroughly set, and until the filling in of the arch is properly put into place to a depth which is at least one foot above the crown of the arch. The centres in all cases shall be struck and not drawn, so as not to crack or injure the work. Should any crack or settlement appear in the arch after the centres are removed, so much of the work as the Engineer may require shall be taken down immediately and replaced.

Spurs.

Section 354. Vitrified or iron sewer pipes or spurs, equal in every respect to those described elsewhere in these specifications, and of a size required by the Engineer, but not less than six inches interior diameter with hubs moulded for house connections, and of sufficient length to project at least four inches beyond the exterior of the sewer, shall be built into the walls of brick sewers and at such an angle as indicated on the plan, or as the Engineer may direct.

How Built In.

Section 355. Spurs shall be built in wherever similar house connections exist in the present sewer which is to be reconstructed under this contract, but in no case shall the distance be more than twenty feet between spurs. In the case of the construction of new sewers where no sewers existed previously, except sewers under public parks or those crossing intersecting streets, they shall be built opposite each house, and where there are no houses, they shall be not more than fifteen feet apart on each side of the sewer or at such frequent intervals as local conditions may require. They shall be set so that their inner ends shall be flush with the inner face of the sewer, at such height in the walls as the Engineer may direct, and each pipe shall be sealed on the outside with an approved earthenware cover set in mortar.

Iron Chair Spurs.

Section 356. Where the sewers to be built under this contract will be at a depth greater than thirteen feet below the established grade of the street (or below the surface of the street where final grades have not been established), cast iron chair spurs, of the design shown on the drawings, not less than six inches in diameter and of the weight of extra heavy soil pipe, shall be used unless otherwise ordered by the Engineer. Where house drains are to be connected to these spurs, extra heavy soil pipe and fittings shall be used for the riser between the spur and the house drain. Where the spurs are provided for future connections, risers of extra heavy soil pipe shall be placed in each spur and shall be brought to a point thirteen feet below the established grade of the street, the end of which shall be sealed with an approved cover laid in cement mortar. The joints of this pipe shall be packed, leaded and caulked in accordance with these specifications for laying water mains.

Under Station Platforms.

Section 357. Wherever the sewer passes under a station platform or other structure, extra heavy soil pipe shall be laid from the spur to the outside of such station or other structure, brought up to a point thirteen feet below the established grade of the street, caulked and sealed, as provided above. All pipes passing under such structures shall be laid in concrete.

Concrete Sewers, Form, Dimensions and Materials.

Section 358. 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 359. Concrete sewers shall be reinforced with steel bars, if so indicated on the plans or directed by the Engineer.

Profiles and Inverted Centres for Inverts.

Section 360. Proper profiles for the concrete inverts shall be set up at the required distances, and the concrete for the bottom and invert of the sewer shall be deposited in place and rammed and worked down to the required shape. The concrete for the bottom and invert, if so directed, shall be placed in alternate lengths extending between every other pair of profiles, so that opportunity may be given to properly work the concrete in place.

Invert to be Protected.

Section 361. 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 362. 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 363. 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 364. 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 365. 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 366. Pipe sewers shall be built of vitrified, salt glazed stoneware pipe, with or without hub, as the Engineer may direct. The pipe shall be of the best quality, thoroughly and perfectly burnt, without warps, cracks or imperfections, well and smoothly glazed over the entire inner and outer surfaces and perfect in shape. The pipe shall be subject to all tests ordered in conformity with any requirements of the Bureau of Sewers, at any time previous to its being used.

Thickness.

Section 367. The size of the pipes shall be designated by their interior diameters. Each pipe shall be a true cylinder, and of even thickness throughout, according to the following schedule:

6-inch pipes shall be not less than 5/8 of an inch thick.
8-inch pipes shall be not less than 3/4 of an inch thick.
10-inch pipes shall be not less than 7/8 of an inch thick.
12-inch pipes shall be not less than 1 inch thick.
15-inch pipes shall be not less than 1¼ inches thick.
18-inch pipes shall be not less than 1½ inches thick.
24-inch pipes shall be not less than 2 inches thick.
30-inch pipes shall be not less than 2½ inches thick.

Lengths.

Section 368. No pipe shall be less than 2 feet in length, and pipes of 12 inches, 15 inches and 18 inches in diameter shall be not less than 3 feet in length.

Curved and Split Pipes.

Section 369. When required, curved pipes shall be furnished and laid, curved to such a radius as may be required or as indicated on the plan of the work. No curved pipe shall exceed 3 feet in length. Split pipes shall be used when found necessary.

Hub and Spigot Pipe.

Section 370. In case the Engineer shall order hub and spigot pipe to be used, the hub shall have a depth of at least three (3) inches from its face to the shoulder of the pipe on which it is moulded, and shall have an interior diameter not less than one (1) nor more than two (2) inches greater than the exterior diameter of the pipe which is to be fitted into it.

Straight Pipe With Collars.

Section 371. In case the Engineer shall order pipe without hubs to be used, it shall be fitted with a collar of the same thickness as the pipe and not less than five inches wide. Each collar must have an internal diameter of not less than one-half inch nor more than one and one-half inches greater than the external diameter of the pipe to which it is to be fitted.

Spur Pipes.

Section 372. Pipes having spurs not less than six inches in diameter with hubs moulded thereon for house connections shall be furnished and laid at such points as indicated on the plan or as directed by the Engineer, and when not immediately used, they shall be sealed on the outside with approved vitrified earthenware covers set in mortar.

Risers.

Section 373. The provisions for risers on brick sewers shall also apply to pipe sewers.

Bends.

Section 374. Bends, siphons and special pipes shall be furnished and laid of the size and forms shown on the plans of the work, or as required.

Pipe Sewers, How Laid.

Section 375. All pipes shall be laid in concrete cradles of the required form and dimensions. The first layer of concrete shall be four inches thick, for the full width of the cradle, and after being thoroughly tamped shall be allowed to set for a period of not less than twenty-four hours. Upon the bed thus prepared, the pipe shall be laid true according to the lines and grades furnished. The ends of the pipes shall abut against each other and in such manner that there shall be no shoulder or unevenness of any kind along the bottom half of the sewer on the inside. Unless otherwise ordered, not less than fifteen feet of pipe shall be laid at any one time, in any one length of trench. The remainder of the concrete shall then be put in place and shall be exposed for at least twenty-four hours for inspection, as required for the bottom course.

Jointing Hub and Spigot Pipes.

Section 376. When hub and spigot pipes are used, the lower half of each hub shall be plastered on the inside with a layer of cement mortar mixed in the proportion of one part of cement to one part of sand and of sufficient thickness to bring the inner surface of the abutting pipes flush and even with the established flow line. After the pipes are fitted, the space between the inside of the upper half of each hub and the outside of the entering pipe shall be filled with cement mortar mixed as above specified, and the outside of the joint shall be thoroughly sealed with the same kind of mortar and the joints carefully wiped inside and outside.

Jointing Pipes Without Hubs.

Section 377. When pipe without hubs is used, a collar or ring shall be used at joints and shall lap equally the ends of each abutting pipe. Such collar or ring shall consist of not more than three pieces, the largest of which shall be placed at the bottom.

Spaces Between Pipes Uniform.

Section 378. The space between the ring and the pipes shall be as uniform as possible and shall be thoroughly filled with cement mortar mixed in the proportions specified for hub and spigot pipe. The joints shall be carefully wiped and pointed inside and outside and all mortar that may be left on the inside shall be removed and the inside of the pipe left clean and smooth throughout.

Iron Pipe Sewers.

Section 379. 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 380. Wherever such pipes are laid under station platforms or through vaults, they shall, when required by the Engineer, be provided with special castings for manholes, which shall be fitted with a cover bolted on so as to make an airtight joint, according to the plans to be furnished by the Engineer.

Ventilators.

Section 381. Whenever, in the opinion of the Engineer, it becomes necessary to provide ventilation for sewers under station platforms or other structures, iron pipe shall be laid from the sewer to the surface of the street and fitted with proper gratings according to the plans to be furnished by the Engineer.

Connections.

Section 382. All existing sewers, culverts, drains and house connections intercepted by the proposed sewers, culverts or receiving basins shall be connected with the new work by proper curves and grades and in such manner as the Engineer shall direct; and all drains, basins or culverts rendered unnecessary or becoming disused by the work herein contemplated shall be filled in and made solid with good wholesome earth in the manner directed. Provision shall also be made for the connection of future sewers or basins by constructing brick spurs or inserting vitrified pipe at the points indicated on the contract drawings and at other points as the Engineer may direct. These connections shall be closed with bulkheads not less than eight inches in thickness and of the quality specified for brick masonry.

Fresh Work to be Protected.

Section 383. All fresh work shall be carefully protected from injury in every way. No wheeling or walking will be allowed on it and any portion injured must be relaid by the Contractor; no walking or working over the pipes after they are laid, except as may be necessary in tamping the earth and refilling, will be allowed until there is at least two and one-half feet of earth over them.

Pipes to be Kept Clean.

Section 384. The interior of pipe sewers shall be carefully freed from all dirt, cement and superfluous material of every description as the work progresses, for which purpose a disc, mould or plate, attached to a rod sufficiently long to pass two joints from the end of the pipe last laid, shall be continuously worked through.

Exposed Ends of Pipes to be Protected.

Section 385. 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 386. The masonry of manholes shall be carried up so that the top of the iron head when set shall be at the level of the established grade of the street at that point or to such height as the Engineer may direct, and from templates correctly made and set at top and bottom, between which not less than eight lines shall be drawn. Where manholes are not built to the established grade of the street, they shall be covered, when necessary, by selected bluestone slabs eight inches in thickness, to support the manhole heads. All joints shall be neatly struck and pointed on the inside. Each manhole shall be plastered thoroughly on the outside with cement mortar one inch in thickness, mixed in the proportion of one part of cement to two parts of sand.

Foundations.

Section 387. The foundations for manholes shall be of concrete or masonry of the kind indicated on the plans and shall be not less than twelve inches below the invert elevation of the sewer, except as otherwise indicated on the plan. When foundation additional to that indicated on the plan is required, it shall be built as directed by the Engineer.

Section 388. Sewer pipes shall be built in and trimmed, when necessary, so as to be flush with the inner face of the manhole, and an arch, laid in cement mortar, shall be turned over the pipe.

Vitrified Bricks or Granite Blocks.

Section 389. The invert shall be built of vitrified brick, granite blocks or concrete masonry, as indicated on the contract drawings.

Use of Bats.

Section 390. A reasonable number of bats not smaller than half bricks may be used in the construction of manholes or receiving basins, provided all interstices are thoroughly filled with mortar.

Steps.

Section 391. Standard steps of good quality of galvanized wrought iron, of the size, length and shape required for steps, shall be built into the interior sides of all manholes at a distance apart of not more than fifteen (15) inches vertically and they shall be so arranged that the lowest step shall be not more than two feet above the bench at the bottom of the manholes nor more than two feet above the invert of the sewer where there is no bench. Each manhole head shall be cast with a wrought iron step on the inside, when directed by the Engineer.

Bluestone.

Section 392. Hammer-dressed bluestone shall be furnished and laid of the form and thickness required as indicated on the plans or as otherwise directed.

Manhole Head and Cover.

Section 393. A cast iron manhole head and cover of the quality specified for cast iron, and except in special cases, of the pattern adopted by the President of the Borough in which the work is located, and in dimensions, weight and all other respects satisfactory to the Engineer shall be fitted on a bed of mortar to each of the above described manholes. Manhole heads and covers which do not conform to these specifications shall be at once removed from the work.

Perforations.

Section 394. 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 395. Each manhole head and cover shall have its weight distinctly marked upon it with oil paint. The following shall be allowed as the minimum and maximum weights:

Street manhole head, 475 to 500 pounds.
Street manhole cover, 135 to 150 pounds.
Sidewalk manhole head, 300 to 310 pounds.
Sidewalk manhole cover, 100 to 110 pounds.

Noiseless Heads and Covers.

Section 396. When the pavement of the street is asphalt on wooden block, the manhole shall be fitted with a noiseless head and cover, to be approved by the Engineer, where new heads and covers are necessary.

Sealed Manhole Heads and Covers.

Section 397. All manholes in station platforms, vaults or other structures shall be provided with sealed manhole heads and covers according to the design indicated on the plans.

Emergency Manholes.

Section 398. 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 399. 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 400. Receiving basins shall be built as located on the plans or as the Engineer shall direct and in accordance with the plans to be furnished. Each portion of the basin shall be built of the size and materials designated on said drawings and shall be thoroughly plastered, both inside and outside, with cement mortar in the proportion of one part of cement to two parts of sand.

Foundations.

Section 401. The foundations for receiving basins shall be of concrete or masonry of the kind indicated on the plans and shall extend not less than twelve inches below the finished floor of the basin, except as otherwise indicated on the plans. When additional foundation is required, it shall be built as directed by the Engineer.

Stone Flooring.

Section 402. The flooring shall be of hammer-dressed North River bluestone flagging, not less than three inches thick, in not more than two pieces, and shall be well set in a full bed of mortar and rammed into place. The floor may be finished with cement mortar mixed in the proportion of one part of cement to one part of sand if so directed by the Engineer. The mortar shall be spread, while fresh, upon the concrete base and before the latter shall have reached its first set; it shall be in such quantity that after thorough manipulation it shall be one inch in thickness.

Head Stone and Gutter Stone.

Section 403. Where head stone and gutter stone are required they shall be of sound, durable granite of the dimensions indicated on the plan, hammer dressed to an even surface and cut to the satisfaction of the Engineer. Cast iron basin heads and gutter pieces of the design indicated on the plans shall be set instead of the above when required.

Cast-Iron Cover.

Section 404. A cast-iron cover of approved pattern weighing not less than eighty nor more than ninety-five pounds shall be fitted to the opening in the head stone.

Grate Bar.

Section 405. 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 406. 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 407. The joints shall be tightly fitted with an oakum gasket or with cement mortar if so desired.

Iron Steps.

Section 408. Galvanized iron steps of the same design required for manholes shall be built into the walls.

Culvert Pipes.

Section 409. The culvert pipe for connections with sewers shall be 12-inch vitrified pipe unless otherwise indicated on the plan, and of the kind and quality previously described, and shall be laid, in all cases, in a concrete cradle of the form and dimensions required for pipe sewers in accordance with the directions of the Engineer. In case it becomes necessary to connect any basin already built, with the work to be constructed, so much of such culverts as in the opinion of the Engineer may be necessary shall be taken up and rebuilt or relaid with vitrified pipe, or brick as the case may be, in the manner described above and reconnected in a straight line from the basin to the sewer.

Flush Tanks.

Section 410. Automatic flush tanks of a type approved by the Engineer shall be built where indicated on the plans or where directed by the Engineer.

Waterproofing.

Section 411. Whenever, in the opinion of the Engineer, it is necessary to waterproof a sewer, chamber or receiving basin, or their appurtenances, it shall be done as indicated on the plans or as directed by the Engineer and in the manner described elsewhere in these specifications.

Mortar.

Section 412. 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 413. All concrete for sewers shall be made in the proportions of one (1) part of cement to two and one-half (2½) parts of sand and four and one-half (4½) parts of stone of the quality described in these specifications.

Paving.

Section 414. On the completion of each section of one hundred feet of sewer, the sidewalks and roadways shall be restored as provided under the heading of "Street Surface and Park Surface Restored."

Permits for Connections.

Section 415. The Commissioner of Public Works shall have the right to connect any sewer or sewers with the sewers herein described or to grant permits to any person or persons to make connections therewith at any time before it is finally completed, and the Contractor shall not interfere with or place obstructions in the way of such person or persons as may be employed in building such new sewer or sewers or in making such connections. This is not to be construed, however, as permitting the introduction of storm water or sewerage into any sewer being constructed under this contract before its final completion.

Thoroughly Cleaned.

Section 416. 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 417. Payment for sewers will be per lineal foot of sewer complete as herein provided in Schedule Items 37 to 74, both inclusive, except as hereinafter specifically provided. The price for each class of sewer is to include each and every item applicable thereto as herein given in Sections 333 to 416 of these specifications and as otherwise provided in the contract and as indicated on the plans; excepting as is hereinafter specially provided.

Excavations.

Section 418. In addition to the price per lineal foot for completed sewer, as above provided, excavation will be paid for at the prices herein stipulated in Schedule Items 2-A and 3-A (which prices shall include all the matters referred to in Section 107), on the basis of size of trench stipulated in Sections 337 and 340, excepting where the sewer is built by tunneling, in which case tunnel excavation will be paid for at the price herein stipulated in Schedule Item 5-A (which prices shall include all the matters referred to in Sections 117 and 120), on the basis of the net ordered lines of the sewer. Payment for street surface restored shall be as provided in Schedule Items 30-A or B.

Steel Beams and Reinforcing Rods.

Section 419. Where steel beams or reinforcing rods are required and ordered, such beams and rods will be paid for in addition to the price bid for the sewer and at the prices herein stipulated for furnishing and placing such material and all work incidental thereto, in Schedule Item 20 or 21.

Automatic Flush Tanks.

Section 420. Where automatic flush tanks are built as provided in Section 410 of the specifications they will be paid for as herein provided in Article XII of the contract.

Waterproofing.

Section 421. Where waterproofing is required and placed in accordance with Section 411 of the specifications it will be paid for at the prices herein stipulated for waterproofing, Schedule Item 15 or 16.

Siphons.

Section 422. Where inverted siphons passing under the subway structure are called for and built, they shall be considered as part of the regular subway construction from outside to outside of the sewer chambers or between points of departure from standard sewer construction, such limits being indicated on the plans; and payment for such siphons will be made in accordance with the various classes of work or material as are applicable thereto in the Schedule and at the prices therein stipulated for such items.

Pumps for Siphons.

Section 423. On contract section 12, provision is to be made for emptying the sewer siphons at 106th and 110th streets, by means of electrically-driven pumps. The pumps are to have a capacity for the 106th street siphon of 1,000 gallons per minute, and for the 110th street siphon a capacity of 1,800 gallons per minute, each against a head of 20 feet. Each pump to be driven by an electric motor using 550 volts D. C.

Cast-Iron Pipe Sewers, etc.

Section 424. All cast-iron pipe sewers wherever built, and the parts, within the limits of the Railroad, or as indicated on the plans, of all other sewers crossing over or under the Railroad, will be paid for in accordance with the various classes of work or material applicable thereto in the Schedule and at the prices stipulated therein for such classes of work or material.

House and Drainage Connections.

Section 425. The cost of the maintenance, support or construction of all house or other drainage connections made necessary by construction under Sections 422 and 424 will be included in the prices for the several classes of work and material entering into such construction.

21—Requirements for Pipes.

Generally.

Section 426. 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 427. The pipes shall be circular cylinders, with the inner and outer surfaces concentric, and of the full interior diameter required.

Hubs and Spigots.

Section 428. The hub or socket and the spigot end shall be shaped in exact conformity with the standards of the Department of Water Supply, to be furnished by the Commission, and will be tested by circular gauges.

Section 429. The seat or shoulder of the socket and the end of the spigot shall be straight and even, and at right angles to the axis of the pipe, so as to make a smooth, tight joint. Special care will be required in making the sockets and spigots to conform to the drawings and all pipes will be rigorously inspected at these points. No pipe will be received whose eccentricity at either the spigot or socket ends, exceeds one-eighth (⅛) of an inch, or whose dimensions differ by more than one-eighth (⅛) of an inch from those required.

Section 430. The pipes shall be designated by dimensions of the interior diameter

Section 431. 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 432. The straight pipe shall be twelve (12) feet long, exclusive of hub; other pipe as may be directed.

Section 433. All straight pipes shall be straight in the direction of the axis of the cylinder.

Thickness and Weights.

Section 434. The thickness of the pipes, branches and special castings shall correspond with the standards of the Department of Water Supply. The weight for straight pipe shall be approximately as follows:

60-inch pipes, 12,835 pounds each.
48-inch pipes, 8,270 pounds each.
42-inch pipes, 6,860 pounds each.
36-inch pipes, 5,305 pounds each.
30-inch pipes, 3,940 pounds each.
24-inch pipes, 2,660 pounds each.
20-inch pipes, 2,005 pounds each.
16-inch pipes, 1,475 pounds each.
12-inch pipes, 1,015 pounds each.
8-inch pipes, 580 pounds each.
6-inch pipes, 415 pounds each.

High Pressure Fire System.

Section 435. For high-pressure fire system standard spigots and grooves—The weights for straight pipes, with lugs, shall be approximately as follows, in pounds per length:

	Of 3 ft.	Of 4 ft.	Of 6 ft.	Of 12 ft.
8-inch	355	420	550	935
12-inch	615	745	1,000	1,765
16-inch	1,005	1,215	1,635	2,905
20-inch	1,475	1,795	2,425	4,320
24-inch	2,105	2,585	3,535	6,385

All requirements as to weights, laying, tests, etc., shall be in strict accordance with the standard requirements of the Department of Water Supply, Gas and Electricity.

Section 436. The thickness of the metal of the pipes and special castings will be tested by calipers after the castings have been freed from sand and cleaned.

Variations in Thickness.

Section 437. No pipe will be received when the thickness of metal is less by more than one-twelfth (1-12) of an inch than the thickness required by the standards.

Underweight.

Section 438. No straight pipe or casting will be received which weighs less than the weights above mentioned by more than five (5) per cent., for pipes 16 inches or less in diameter, or more than four (4) per cent. for pipes more than 16 inches in diameter. No special casting will be received which weighs less than the standard weight by more than ten (10) per cent. for pipes 12 inches or less in diameter, and eight (8) per cent. for larger pipes.

Straight Pipe Cast Vertically.

Section 439. All straight pipes shall be cast vertically, and all pipes 12 inches or more in diameter shall be cast with the hub end down.

Section 440. All the castings shall be made in such molding sand or loam as will leave the surface clean and smooth.

Castings, How Marked.

Section 441. All the castings shall have the year in which they are cast, the running number of the castings of the same size and form, the letters D. W. S., and the initials or name of the Contractor, and of the foundry where cast, cast on the outer side in raised letters of not less than two (2) inches in length and one-eighth (⅛) of an inch in relief, in such manner as the Engineer may designate; and in case any pipe shall be condemned, the letters D. W. S. shall be erased by the Contractor.

Quality of Cast Iron.

Section 442. The metal of which the castings are to be cast (which shall be remelted in a cupola or air-furnace) shall be pig-iron, made without any admixture of cinder-iron, or other inferior metal, and shall be of such character as to make a pipe strong, tough and of an even grain, entirely free from uncombined carbon when seen under the microscope, and such as will bear, satisfactorily, drilling and cutting, and shall have a tensile strength of at least sixteen thousand (16,000) pounds to the square inch.

Section 443. The castings shall be free from scoria, sand holes, air bubbles, and other defects and imperfections.

Castings to be Clean.

Section 444. The castings shall be perfectly cleaned and no lumps shall be left on the inner surface of the barrels or sockets, or on the outer surface of the spigot end. The castings shall be subject to hammer inspection. Iron-wire brushes shall be used, as well as softer brushes, to remove the loose dust. No acid or other liquid shall be used in cleaning the castings.

Pipes to be Coated.

Section 445. 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 446. The coal-tar pitch shall be made from coal tar distilled until the naphtha is entirely removed and the material mixed with linseed oil so as to make a smooth, tough and tenacious coating. Pitch which becomes hard and brittle when cold will not answer for this use.

Section 447. Pitch of the proper quality having been obtained, it shall be carefully heated in a suitable vessel to a temperature of three hundred (300) degrees Fahrenheit, and shall be maintained at not less than this temperature during the time of dipping. The material will thicken and deteriorate after a number of pipes have been dipped; fresh pitch shall, therefore, be frequently added, and occasionally the vessel shall be entirely emptied of its old contents and refilled with fresh pitch.

Section 448. 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 Inserted Before Dipping.

Section 449. 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 450. 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 451. 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 452. 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 453. 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 454. 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 the 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 watertight joint

Lead.

Section 455. 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 456. 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 457. 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.

Stopcocks, etc.

Section 458. Stopcocks, boxes, branches, curved pipe, and other specials according to the standards of the Department of Water Supply shall be set where necessary.

Section 459. For gas pipes, steam pipes, air pipes, mail tubes and any other pipes not herein enumerated, the standard weights and all other requirements shall be in accordance with the standard specifications and requirements of the several owners of such structures.

22—Street Surface and Park Surface Restored.

Pavement to be Restored.

Section 460. As soon as the structure in any excavation or trench made within a street shall be completed and the trench backfilled, a temporary pavement shall be laid and maintained in a condition satisfactory to the Engineer; and after the earth shall have become, in the opinion of the Engineer, sufficiently settled, the Contractor shall proceed to restore the surface to a condition similar to, and equally as good as, that existing previous to the commencement of construction; except that the Contractor will not be required to permanently restore the pavement of roadways between curb lines, but shall provide a temporary roadway pavement as follows:

Temporary Roadway Pavement.

Section 461. Upon the backfill, placed and compacted as provided under the clauses relating to backfilling, shall be placed a layer of sand, about an inch and a half in thickness, on which shall be laid a pavement of granite blocks carefully laid and rammed to the required finished grade of the street surface. The end and side joints shall be thoroughly filled with sand, and shall not exceed ¾ of an inch in thickness. The granite blocks required for this temporary pavement, if found in or under the original pavement, shall be stored at a suitable place until required for use. In case granite blocks are not found in or under the original pavement, they may be obtained by the Contractor, free of cost, from the Bureau of Highways at the corporation yards.

The Contractor shall maintain the temporary roadway pavement thus laid for a period not exceeding six months from the time of its completion in any one block or street intersection. During this period the Contractor shall, without requiring previous notice, readjust or relay any portion of the pavement wherever and whenever a straight edge 3 feet long, laid in any direction, shows a depression of more than ¾ inch.

All the requirements as to street surface restored, including temporary roadway pavements, shall apply to the trenches for sewers, pipes or other subsurface structures along or off the line of the Railroad. Within the limits of private property to be taken by the City for the extension of Irving Place, these requirements will not apply.

Other Sidewalks May be Laid.

Section 462. Nothing contained in these specifications shall be understood or construed as prohibiting the Contractor from making any arrangement with any property owner to lay another style of sidewalk, or other surface covering within curb lines, in place of the sidewalk or other surface covering taken up; in which case the Contractor shall file with the Commission a copy of his contract with such property owner, duly acknowledged in writing by both parties.

In case any property owner desires to lay a sidewalk, or other surface covering within curb lines, affected by this contract, different from the one removed, and shall notify the Commission in writing that he has failed to make satisfactory arrangements for such work with the Contractor, then the Commission, in its discretion, may direct the Contractor to finish and dress off the filling over his work to such grade as the Engineer may select, and further direct him to remove from the area to be restored all material of whatever nature not required to be relaid, and to permit another contractor to lay such sidewalk or other surface covering; in which case the liability of the Contractor under this contract shall cease, as far as that part of his work is concerned, whenever the Engineer shall report to the Commission that the instructions of the Commission have been complied with, exactly the same as if the Contractor had fully completed the restoration as hereinbefore provided.

Payment for Street Surface Restored.

Section 463. Payment for street surface restored will be made as provided in Schedule Item 30-A or B, which prices shall include the cost of restoring all curbs, manhole heads and covers, gratings, vault lights, etc., that formed a part of the original street surface.

Measurements.

Section 464. The measurement for payment for street surface restored will be to the net line of ordered excavation.

Outside of Net Lines.

Section 465. All other pavement outside of the net lines of ordered excavation, either along or off the line of the Railroad, that may have become damaged, directly or indirectly, as the result of the Contractor's operations, shall be restored by the Contractor at his own cost and expense to a condition similar to and equally good as that existing previous to the commencement of construction.

Parks and Parkways.

Section 466. All parks and parkways including trees, shrubbery, etc., as elsewhere provided in this contract and the specifications, are to be restored to the satisfaction of the Department of Parks.

Measurement.

Section 467. Measurements for park surface restored are to be to the net lines of ordered excavation.

Payment For.

Section 468. Payment for park surface restored will be made at the price provided in Schedule Item 31.

Outside of Net Lines.

Section 469. Any damage done outside of the net lines of ordered excavation in connection with the construction of the work to park surfaces or growths, under the jurisdiction of the Department of Parks, shall be restored to the satisfaction of the said Department, and at the Contractor's own cost and expense.

23—Vault Lights, Gratings and Hand-Rails.

Vault Lights.

Section 470. The roofs of the stations, where under sidewalks, parks or parkways, shall, to as great an extent as possible, consist of vault light construction. These lights shall be made with lenses, not exceeding three (3) inches in diameter, of strong glass set in cement; they shall be provided with non-slipping treads, buttons or other devices all of design approved by the Engineer; and shall be of sufficient strength to carry, when supported in a manner similar to that in which they are to be permanently set, an equally distributed load of at least five hundred (500) pounds per square foot without signs of failure, deformation or permanent set, when such test load is removed. The right is reserved to test at least one (1) frame or panel in every ten (10), as selected by the Engineer. Should the one selected fail, another will be selected by the Engineer; and if that fail, then the whole lot may be rejected. The vault lights must be set in place with cement, lead or other means to be absolutely waterproof. Any tests required shall be at the Contractor's expense.

Measurement and Payment.

Section 471. The area for payment for vault lights shall be to lines not exceeding one (1) foot outside of the inner faces of the supporting walls, and the price paid will be as provided in Schedule Item 29, which price shall include all material and work incidental to the completed vault lights in place.

Steel Gratings.

Section 472. Steel gratings shall be provided and placed over fan and other ventilating chambers, over stations and station approaches, at places shown on the plans, or at other places if required by the Engineer. They will be constructed as shown on the detailed plans for gratings.

Measurement and Payment.

Section 473. Gratings will be measured to the lines as constructed and payment therefor will be made as herein provided in Schedule Item 28, which price shall include the grating in place in the work, all frames and framing, and all incidental work.

Galvanized Iron Pipe Hand-Rails.

Section 474. Galvanized iron pipe hand-rails will be placed in the Railroad over the benches containing the ducts. They shall be securely fastened to the wall of the tunnel by means of expansion bolts, and as shown on the contract drawings. Measurements for payment will be per lineal foot of hand-rail in place in the work, complete, and at the price as stipulated in Schedule Item 27.

IV.—Security to be Furnished by Contractor.

Security by Contractor. Contractor's Bond.

Article 27. Simultaneously with the execution of this contract the Contractor shall give security for the performance of his obligation by filing with the Comptroller a bond in the form annexed hereto, entitled, "Form of Bond," executed by the Contractor and by two or more sureties to be corporations or persons approved by the Commission in the sum specified in the Invitation to Contractors for the Section embraced in this contract. In case any of the sureties upon the bond shall become insolvent or unable in the opinion of the Commission to pay promptly the amount of such bond to the extent to which such surety might be liable, then the Contractor within ten days after notice by the Commission to the Contractor shall, by supplemental bond or otherwise, substitute another and sufficient surety to be approved by the Commission in place of the surety so insolvent or unable. If the Contractor shall fail, within such ten days or such further time as the Commission may grant, to substitute another and sufficient surety, then the contractor shall, for all the purposes of this contract be deemed to be in default in the performance of his obligations hereunder and upon the said bond, and the Commission may terminate the contract or may bring any proper suit or proceeding against the Contractor and the sureties, or either of them, or may require to be deducted from any moneys then in, or thereafter coming into, the hands of the City and due to the Contractor the amount for which the surety insolvent or unable as aforesaid shall have justified on the bond; and the moneys so deducted shall be held by the Comptroller as collateral security for the performance of the condition of the bond.

V.—Payments to Contractor.

Partial Payments.

Article 28. In order to assist the Contractor to prosecute the work advantageously, the Engineer shall, from time to time, as the work progresses, but not oftener than once a month, make in writing an estimate, such as in his opinion shall be just and fair, of the amount and value of the work done and materials incorporated in the work by the Contractor according to the terms of this contract (but it is understood that in making such estimates the Engineer shall not necessarily be governed by the unit prices contained in the Contractor's proposal), provided, however, that estimates may at any time be withheld or reduced, if, in the opinion of the Engineer, the work is not proceeding in accordance with the contract. The first such estimate shall be of the amount and value of the work done and materials incorporated in the work since the Contractor commenced the performance of this contract on his part. Every subsequent estimate except the final estimate shall be of the amount and value of the work done and materials incorporated in the work since the last preceding estimate was made, provided, however, that no such estimate shall be required to be made when, in the judgment of the Engineer, the total value of the work done and materials incorporated in the work since the last preceding estimate amounts to less than ten thousand dollars ($10,000). The Engineer shall further include accepted structural iron and steel delivered on the site of the work, but not incorporated in the work, at the rate of forty dollars ($40) per ton of two thousand pounds. But the quantity of such structural iron and steel included in any partial estimate shall not exceed the quantity of such material, as determined by the Engineer, required for the ensuing six months, and any material included in a partial estimate which may subsequently become unsatisfactory, shall be deducted from succeeding partial estimates. No materials not incorporated in the work, excepting such structural iron and steel, and none of the Contractor's plant shall be included in partial estimates.

Not by Strict Measurement.

Article 29. 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 30. Upon each such estimate being made and certified in writing to the Commission, the Commission shall forthwith prepare and certify a voucher for ninety per cent. of the amount stated in such estimate or certificate to be the value of the work done and materials furnished, 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 per cent. above mentioned to be retained and reserved, any sum or all sums which by the terms hereof, or of any law of the State of New York passed prior to the date hereof, it is or may be authorized to reserve or retain.

Final Estimate.

Article 31. Whenever, in the opinion of the Engineer, the Contractor shall have completely performed this contract on his part, the Engineer shall so certify,

in writing, to the Commission, and in his certificate shall state, from actual measurements, the whole amount of work done by the Contractor, and also the value of such work under and according to the terms of this contract. On the expiration of ninety (90) days after the acceptance by the Commission of the work herein agreed to be done by the Contractor, and the filing of a certificate of the completion and acceptance of the work in the office of the Comptroller, signed by the Engineer and the Commission, the City shall pay to the Contractor the amount remaining after deducting from the amount or value stated in the last-mentioned certificate, all such sums as shall theretofore have been paid to the Contractor under any of the provisions of this contract, and also any sum or all such sums of money as by the terms hereof the City is or may be authorized to reserve or retain; provided, that nothing herein contained shall be construed to affect the right, hereby reserved, of the Commission to reject the whole or any portion of the aforesaid work, should the said certificate be found, or known to be, inconsistent with the terms of this contract, or otherwise improperly given. All prior certificates upon which partial payments may have been made, being merely estimates, shall be subject to correction in the final certificate, which final certificate may be made without notice thereof to the Contractor, or of the measurements upon which it is based.

Interest in Case of Delayed Payments.

Article 32. If the payment of the amount due the Contractor on any voucher shall be delayed beyond the time stipulated in Article 30, in the case of partial payment, or Article 31, in the case of final payment, the City shall pay the Contractor interest on such amount at the rate of four and one-half (4½) per cent. per annum for the period of such delay; it being understood that such payments of interest, if any, are to be in lieu of any claim of the Contractor for alleged damages for breach of contract or otherwise in case of delayed payments. The term for which interest shall be paid shall be reckoned, in the case of a partial payment from the thirtieth day after the certification of such voucher by the Commission, and in the case of a final payment from the ninetieth day after the acceptance of the work by the Commission, to the date of payment of the voucher. The date of payment of a voucher shall be considered the day on which the voucher is ready for payment as evidenced by the records of the Department of Finance. If interest shall become due on any partial payment the amount thereof, as determined by the Commission, shall be added to a succeeding payment. If interest shall become due on a final payment it shall be paid on a supplementary voucher prepared by the Commission and forwarded to the Comptroller for payment in the usual manner.

No Estoppel.

Article 33. The City shall not, nor shall any Department or officer thereof, be precluded or estopped by any return or certificate made or given by the Commission, any Engineer, or other officer, agent or appointee thereof under any provision of this contract, from at any time either before or after the final completion and acceptance of the work and payment therefor pursuant to any such return or certificate, showing the true and correct amount, quality and character of the work done and materials furnished by the Contractor or any other person under this agreement, or from showing at any time that any such return or certificate is untrue and incorrect or improperly made in any particular, or that the work and materials, or any part thereof, do not in fact conform to the specifications; and the City shall not be precluded or estopped, notwithstanding any such return or certificate and payment in accordance therewith, from demanding and recovering from the Contractor such damages as it may sustain by reason of his failure to comply with this contract or the specifications.

No Waiver.

Article 34. Neither the acceptance of the Commission or its Engineer, or any of its employees, nor any order, measurement or certificate by the Engineer, nor any order by the Commission for payment of money, nor any payment for, nor acceptance of the whole or any part of the work by the Engineer or the Commission, nor any extension of time, nor any possession taken by the Commission, or its employees, shall operate as a waiver of any portion of this contract or of any power herein reserved to the Commission, or any right to damages herein provided; nor shall any waiver of any breach of this contract be held to be a waiver of any other or subsequent breach.

Final Payment to Terminate Liability of City.

Article 35. The acceptance by the Contractor of the last payment aforesaid shall be and shall operate as a release to the City, from all claim and liability to the Contractor for anything done or furnished for, or relating to, the work, or for any act or neglect of the Commission, the City or of any person relating to or affecting the work, except only the claim against the City for the remainder, if any there be, of the amounts kept or retained as provided in this contract.

Contractor's Claims for Damage. Statements of Damage to be Filed With Engineer.

Article 36. If the Contractor shall claim compensation for any damage sustained by reason of the acts of the Commission, or its agents, he shall, within ten days after the sustaining of such damage, make a written statement of the nature of the damage sustained to the Engineer. On or before the fifteenth day of the month succeeding that in which any such damage shall have been sustained, the Contractor shall file with the Engineer an itemized statement of the details and amount of such damage, and, unless such statement shall be made as thus required, his claim for compensation may be forfeited and invalidated, and he shall not be entitled to payment on account of any such damage.

Lien Law.

Article 37. If at any time before or within thirty days after the whole work agreed herein to be performed and all the labor and material herein agreed to be delivered have been performed or delivered or completed and accepted by the City any person or persons claiming to have performed any labor or furnished any material toward the performance or completion of this contract shall file with the Commission and with the Comptroller of the City any such notice as is described in the Lien Law, the City shall retain until the discharge thereof from moneys under its control so much of such moneys as shall be sufficient to satisfy and discharge the amount in such notice claimed to be due, together with the costs of any action or actions brought to enforce such lien created by the filing of such notice.

VI.—Contractor's Liability for Injuries to Persons or Property.

Contractor Approves Plans as Involving No Damage.

Article 38. The Contractor expressly admits and covenants to and with the City that the plans and specifications and other provisions of this contract, if the work be done without fault or negligence on the part of the Contractor, do not involve any danger to the foundations, walls or other parts of adjacent buildings or structures or to navigation; and the Contractor will at his own expense make good any damage that shall, in the course of construction, be done to any such foundations, walls or other parts of adjacent buildings or structures or to navigation. The liability of the Contractor under this covenant is absolute and is not dependent upon any question of negligence on his part, or on the part of his agents, servants or employees and the neglect of the Engineer to direct the Contractor to take any particular precautions or to refrain from doing any particular thing, shall not excuse the Contractor in case of any such damage. Where the work is required to be done by tunneling the same admission and covenant shall also apply to the foundations, walls and other parts of buildings and to any railroad track or structure, subway, street, conduit, pipe, sewer or other structure or surface over the tunnel. But this admission and covenant shall not apply to the foundations, walls or other parts of buildings or any part thereof acquired by the City and which the Engineer may determine should be razed.

Traffic to be Maintained.

Article 39. The Contractor shall, during the performance of the work, safely maintain the traffic on streets, avenues, highways, parks, waters or other public places as provided in the specifications, and shall take all necessary precautions to place proper guards for the prevention of accidents and put up and keep at night suitable and sufficient lights.

Indemnification for Accidents, etc.

Article 40. The Contractor shall be solely responsible for all physical injuries to persons or property occurring on account of and during the performance of the work hereunder, and shall indemnify and save harmless the City from liability upon any and all claims for damages on account of such injuries to persons or property, and from all costs and expenses in suits which may be brought against the City for such injuries to person or property; it being distinctly understood, stipulated and agreed that the Contractor shall be solely responsible and liable for and shall fully protect and indemnify the City against all claims for damages to persons or property occasioned by or resulting from blasting or other methods or processes in the work of construction whether such damages be attributable to negligence of the Contractor or his employees or otherwise.

Money Due the Contractor or May be Retained to Meet Claims.

Article 41. In case any claim shall be made by any person or corporation against the Contractor or the City for loss or damage to person or property as aforesaid, the amount of such claim or so much thereof as the Commission shall deem reasonable, shall, upon the requirement and in the discretion of the Commission, be retained by the Comptroller out of any moneys thereafter growing due to the Contractor hereunder (in addition to the other sums hereinbefore authorized to be so retained), as security for the payment of such claim or claims. If and when the liability of the City or the Contractor on such claim or claims shall have been established by a judgment of a court of competent jurisdiction, or shall have been admitted by the Contractor to be valid, the said claim or claims shall be paid from the amount so retained and the balance, if any, paid to the Contractor. Should there be any unsatisfied claims for injuries to persons or property at the time when the final estimate for the work is made and returned, the Engineer shall have the right to retain out of said final estimate a sum in his judgment sufficient to protect the City in regard to all unsatisfied claims as aforesaid and in case the amount thus retained should be insufficient to pay the amount adjudicated to be due upon such claim the City may sue for and recover from the Contractor the amount or balance as a debt from the Contractor to the City. The Engineer may further, if in his judgment such a course is necessary, at the time of making the final estimate, and as a condition to making the same, require the Contractor to continue his bond or any part thereof, for a time not exceeding the time when such claims would be barred under the existing Statute of Limitations, as security against any claims then unsatisfied or not presented.

Examinations of Abutting Property.

Article 42. In order to safeguard the owners or tenants of abutting property and at the same time prevent unjust or fraudulent claims against the Contractor or the City in respect thereto, the Engineer shall cause a detailed examination of all adjacent or abutting property to be made before construction is begun. The owner, or tenant of each parcel or his or their duly authorized representative, shall be invited by a notice in writing delivered to a person apparently in charge of the premises, to be present, and the Contractor, or his duly authorized representative, shall attend and with the Engineer shall make such detailed examination. A complete record of the existing conditions of each parcel shall be made in triplicate, signed by the Engineer and the Contractor, and one copy shall be delivered to the owner, one to the Contractor and one shall be retained by the Commission. At such times as the Engineer may direct, and upon the completion of the work, or upon notice to the Engineer by the owner or tenant that physical injury has occurred, further examination shall be made and the findings recorded and filed as above.

Damage to Works During Construction.

Article 43. All risk of loss or damage to the works, or to any part thereof, or to any of the materials, tools, implements or other things used in doing the work, prior to final completion, is assumed and shall be borne by the Contractor, and any such loss or damage shall be made good by the Contractor at his own cost, and the construction shall be carried forward by him in accordance with this contract, without additional cost to the City by reason of such loss or damage.

VII.—City to Secure Contractor Against Interference by Injunctions, to Acquire Real Estate, etc.

City's Assurances to Contractor of Right to Construct.

Article 44. 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 45. The Contractor shall hold himself responsible for any claims made against the City for any infringement of patents by the use of patented articles in the performance and completion of the work, or of any process connected with the work agreed to be performed under this contract, or of any materials used upon the said work; and shall save harmless and indemnify the City for all costs, expenses and damages which the City shall be obliged to pay by reason of any infringement of patents used in the performance and completion of the work.

Acquisition of Real Estate.

Article 46. The City will acquire all such real estate and rights of way or other rights, terms, franchises, easements and privileges therein which, in the opinion of the Commission, it shall be necessary to acquire or extinguish for the purpose of constructing the works free of interference or right of interference; provided, however, that this covenant shall not apply to or include any damages for physical injuries to property referred to in chapter 6 hereof, whether or not compensation for such damages be awarded in a condemnation proceeding. If compensation for any such damages shall be included in an award in condemnation proceedings the Contractor shall, upon demand, promptly reimburse the City for any payments made by it for such purposes.

VIII.—Time for Completion, Damages for Delay, etc.

Commencement and Completion of Work.

Article 47. Time is of the essence of this contract. The Contractor shall begin actual work within sixty (60) days after the execution of this contract. The entire work covered by this contract shall be completed in all respects within forty-two (42) months from the date of the delivery of this contract.

Price to be Reduced for Delay.

Article 48. In the event of delay in completion of the works beyond the period herein prescribed, or beyond the period to which such time may be extended by resolution of the Commission for good cause shown, the City shall—whether the working force be increased as provided in the specifications or not—be paid damages for such delay. Inasmuch as the amount of such damages will be extremely difficult to ascertain, especially in view of the fact that the railroad herein contracted for is only a part of a complete system, the remainder of which is to be constructed under other contracts, it is hereby expressly agreed that damages shall be liquidated and paid by reducing the price to be paid the Contractor as follows: From the amounts which shall become payable to the Contractor after the expiration of the periods above limited (but not including the retained percentages from amounts theretofore certified to be due) there shall be deducted and retained by the City the following percentages: From the amount due for the first month after the expiration of such periods one (1) per centum thereof; from the amount due for the second month after the expiration of such periods two (2) per centum thereof; from the amount due for the third month after the expiration of such periods three (3) per centum thereof; from the amount due for the fourth month after the expiration of such periods four (4) per centum thereof; similarly from any amounts which may subsequently become due there shall be deducted a percentage, the rate of which shall equal the number of months which may have elapsed between the expiration of the periods above limited and the time when such payments shall become due. These amounts shall be deducted and retained by the City and are hereby agreed upon and determined as the measure of liquidated damages (and not as a penalty) to the City. But in case the Contractor shall be delayed by reason of any labor strike not caused or instituted or provoked by the Contractor, or by any subcontractor, agent or representative of the Contractor (which fact the Contractor shall prove to the satisfaction of the Commission), or in case the Contractor shall be delayed by any injunction or by any interference of public authority, and in case the Contractor cannot, notwithstanding such injunction or interference, with reasonable diligence make up for the delay so occasioned by speedier work when the Contractor shall not be so interfered with, then the said date for completion shall be extended by resolution of the Commission to a date later than the expiration of the said period by the amount of the time of such delay.

Commission May Intervene in Case of Injunction.

Article 49. But no injunction, strike or interference of public authority shall be ground for such extension, except if and from the time when the Contractor shall give the Commission notice of the injunction or other cause of delay, with copies of the injunction or other orders and of the papers upon which the same shall have been granted. The Commission and the City or either shall be accorded the right to intervene or become a party to any suit or proceeding in which any such injunction shall be obtained, and to move to dissolve the same or otherwise, as the Commission or City may deem proper. If necessary the Corporation Counsel or the Counsel of the Commission or both shall be authorized by the Contractor to appear, for that purpose, as counsel or attorneys for him.

Article 50. Th time stipulated within which to complete the works is based upon the quantities of the various items entering into the work as stated in the form of proposal, which are given solely for the purpose of classifying bids. In case these quantities are exceeded or diminished then an extension or diminution of the term of this contract shall be made. It is, however, understood and agreed that in case an increase in any one item is balanced or offset by diminution of other items, no change in the term shall be made, and in any event the Engineer shall determine the amount of extension or diminution of time in respect of the relative increase or reduction in the quantities involved in the final completion.

Suspension of Work and Additional Time for Performance.

Article 51. The Commission reserves the right of temporarily suspending the execution of the whole or any part of the work herein contracted to be done, if it shall deem it for the interest of the City so to do, without compensation to the Contractor for such suspension, other than extending the time for completing the work as much as it may have been delayed by such suspension.

Time for Completion to be Extended in Case of Delay in Acquiring Real Estate.

Article 52. In case the Contractor shall at any time give notice to the Commission that any real estate is necessary under this contract for any of the purposes specified above, which notice shall give a brief description of such real estate, the Commission shall (if it finds that such exists) begin and conduct with diligence, proceedings to acquire the real estate described; and in case the Commission shall fail to put the Contractor in possession of such real estate within three (3) months from the date of the delivery of such notice the Commission shall allow the Contractor so much additional time wherein to perform and complete this contract on his part as the Engineer shall certify in writing to be just, but no allowance by way of damages shall be made for such delay.

Extensions Not Cumulative.

Article 53. It is expressly understood, however, that the periods of extension referred to herein shall not be cumulative, but only the single period of delay giving the greatest extension shall be taken into consideration.

Permission to Complete Contract Not a Waiver.

Article 54. The permitting of the Contractor to go on and finish the work, or any part of it, after the time fixed for its completion, or after the date to which the time for completion may have been extended, or the making of partial payments to the Contractor after any such periods, shall in no wise operate as a waiver on the part of the City of any of its rights under this contract.

IX.—Remedies in Case of Contractor's Default.

Article 55. If the work to be done under this contract shall be abandoned by the Contractor, or if this contract shall be assigned, or the work sublet by him, otherwise than as herein specified, or if at any time the Engineer shall be of the opinion, and shall so certify in writing to the Commission that the performance of the contract is unnecessarily or unreasonably delayed, or that the Contractor is wilfully violating any of the provisions or covenants of this contract, or of the specifications, or is executing the same in bad faith or not in accordance with the terms thereof, or if the work be not fully completed within the time named in this contract for its completion, or within the time to which the completion of the contract may be extended by the Commission, the Commission may

(1) Notify the Contractor, by a written notice, to discontinue all work, or any part thereof, under this contract, and thereupon the Contractor shall discontinue the work, or such part thereof, and the Commission shall thereupon have the right to contract for the completion of the works in the manner prescribed by law, or to place such and so many persons as it may deem advisable, by contract or otherwise, to work, and complete the work herein described, or such part thereof, to take possession of and use any or all of the materials, plant, tools, equipment, supplies and property of every kind provided by the Contractor for the purpose of his work, and to procure other materials for the completion of the same, and to charge the expense of said labor and materials to the Contractor. The expense so charged shall be deducted and paid by the City out of such moneys as may be due or may at any time thereafter grow due to the Contractor under and by virtue of this contract, or any part thereof. And in case such expense shall exceed the amount which would have been payable under the contract if the same had been completed by the Contractor, he shall pay the amount of such excess to the City; and in case such expense shall be less than the amount which would have been payable under this contract if the same had been completed by the Contractor, he shall forfeit all claim to the difference; and when any particular part of the work is being carried on by the Commission, by contract or otherwise, under the provisions of this article of the contract, the Contractor shall continue the remainder of the work in conformity with the terms of this contract, and in such manner as in nowise to hinder or interfere with the persons or workmen employed, as above provided, by the Commission, by contract or otherwise, to do any part of the work, or to complete the same under the provisions of this article of the contract. And

Or Proceed Upon Bond.

(2) The City may also proceed as to the Commission shall seem proper upon the bond. And

Or May Bring Suit.

(3) The City may also bring any suit or proceeding for specific performance or for injunction or to recover damages or to obtain any relief or for any purpose proper under this contract.

X.—Miscellaneous Provisions.

Changes in the Contract.

Article 56. 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 57. No claim shall be made by the Contractor against any member of the Commission personally by reason of this contract or of any of its articles or provisions.

Contractor Not to Assign, Sublet, Etc.

Article 58. The Contractor shall not assign, transfer, convey, sublet or otherwise dispose of this contract or his right, title or interest in or to the same or any part thereof without the previous consent in writing of the Commission, and he shall not assign by power of attorney or otherwise any of the moneys to become due and payable under this contract unless by and with the like consent. If the Contractor shall without such previous written consent assign, transfer, convey, sublet or otherwise dispose of this contract or of his right, title or interest therein or any of the moneys to become due under this contract, to any other person, company or corporation, this contract may at the option of the Commission be revoked and annulled and the City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor and to his assignee or transferee; and no right under this contract or to any money to become due hereunder shall be asserted against the City in law or in equity by reason of any so-called assignment of this contract or any part thereof or of any moneys to grow due hereunder unless authorized as aforesaid by the written consent of the Commission; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors made pursuant to the statutes of the State of New York.

Provisions in Case Commission Ceases.

Article 59. In case the Commission shall cease to exist the Legislature may provide what public officer or officers shall exercise the powers and duties of the Commission under and by virtue of this contract; and in default of such provision, such powers and duties shall be deemed to be vested in the Mayor of the City. In case any officer or officers other than the Commission shall hereafter have the powers of the Commission or any of them, then the provisions of this contract shall be applicable to such officer or officers to the extent to which the powers of the Commission shall appertain to such officer or officers, and any official act or determination of such officer or officers or of this Commission shall be sufficient hereunder, anything herein to the contrary notwithstanding, if the same be done or had by lawful vote or resolution or in such manner as the Legislature may from time to time prescribe.

Labor Law.

Article 60. The Contractor agrees to comply with the provisions of the Labor Law, including section 3 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, subcontractor or other person doing or contracting to do the whole or a part of the work contemplated by this contract, shall be permitted or required to work more than eight hours in any one calendar day, except in cases of extraordinary emergency, caused by fire, flood or danger to life or property; and further, that the wages to be paid for a legal day's work as hereinbefore defined to all classes of such laborers, workmen or mechanics upon the work contemplated by this contract or upon any material to be used upon or in connection therewith, shall not be less than the prevailing rate for a day's work in the same trade or occupation in the Borough of the City, where the work hereby contemplated, about or in connection with which such labor is performed, is in its final or completed form to be situated, erected or used; and that each such laborer, workman or mechanic employed by the Contractor or by any subcontractor 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 14 of the Labor Law, it is further provided that if the provisions of the said section 14 are not complied with, this contract shall be void.

All Necessary Legal Provisions Deemed Inserted Herein.

Article 61. It is the intent and understanding of the parties to this agreement that each and every provision of law required to be inserted in this contract should be and is inserted herein. Furthermore, it is hereby stipulated that every such provision is to be deemed to be inserted herein; and if, through mistake or otherwise, any such provision is not inserted or is not inserted in correct form, then the contract shall forthwith, upon the application of either party, be amended by such insertion so as to comply strictly with the law, and without prejudice to the rights of either party hereunder.

Provision in Case of Unlawful Provision.

Article 62. If this contract contains any unlawful provision not an essential part of the general structure of the contract and which shall not appear to have been a controlling or very material inducement to the making thereof the same shall be deemed of no effect and shall, upon the application of either party, be struck from the contract without affecting the binding force of the contract as it shall remain after omitting such provision.

In witness whereof, this contract has been executed for The City of New York by the Public Service Commission for the First District under and by resolution duly adopted by the Commission and the seal of the Commission has been hereto affixed and attested by its Secretary and these presents have been signed by its Chairman; and the Contractor has caused its corporate seal to be hereto affixed and these presents to be executed by its proper officers the day and year first above written.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT.

By....., Chairman.

Attest:

....., Secretary.

State of New York, County of New York, ss.:

On the ..... day of ....., 1910, before me personally appeared William R. Willcox and Travis H. Whitney, to me known and known to me to be the said William R. Willcox, the Chairman, and the said Travis H. Whitney, the Secretary of the Public Service Commission for the First District; and the said William R. Willcox and Travis H. Whitney being by me duly sworn, did depose and say, each for himself and not the one for the other, the said William R. Willcox, that he resides in the Borough of Manhattan, in the City, County and State of New York, that he is the Chairman of the said Commission and that he subscribed his name to the foregoing contract by virtue of the authority thereof; and the said Travis H. Whitney, that he resides in the Borough of Brooklyn, in the County of Kings, City and State of New York, that he is the Secretary of the said Commission and that he subscribed his name thereto by like authority; and both the said William R. Willcox and Travis H. Whitney that they know the seal of the said Commission and that the same was affixed to the foregoing instrument by the authority of the said Commission and of a resolution duly adopted by the same.

State of New York, County of New York, ss.:

On this ..... day of ....., 1910, 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 ....., 1910, before me personally appeared ....., to me known, who, being by me first duly sworn, did depose and say: That he resided in ....., in the State of.....; that he is ..... of ....., the corporation described in and which executed the foregoing instrument; that he knew the corporate seal of said company; that one of the seals affixed to said contract was such corporate seal, and that it was affixed thereto by order of the Board of Directors of said Company, and that he signed his name thereto by like authority.

Form of Contractor's Bond.

Route No. 5, Section No. 12.

Know All Men by These Presents, That ..... of ....., hereinafter called the Contractor, and ..... and ....., hereinafter called the Sureties, are held and firmly bound unto The City of New York, hereinafter called the City, in the sum of .... 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 ($.....); the said .....
for the sum of.....dollars ($.....).

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 ....., 1910.

Whereas, The City by the Public Service Commission for the First District (hereinafter called the Commission) is about to enter into a contract with the Contractor bearing even date herewith for the construction of that portion of a Rapid Transit Railroad known as Section 12 of Route 5, in ....., and extending from..... street to ..... street, in the Borough of ....., in The City of New York, more particularly described in the said contract; and

Whereas, The City is about to enter into such contract with the Contractor upon the condition, and not otherwise, that this bond shall be given to the City, and upon the faith thereof, now therefore,

The condition of the foregoing obligation is such that if the Contractor shall fully perform the said contract, then this obligation shall be null and void, but else it shall remain in full force and virtue.

It is expressly agreed, between the City and the Sureties (and it is upon such agreement that the City accepts this bond) that the Sureties will and do waive any and every notice of default on the part of the Contractor; that they will and do permit the City to extend the time of the Contractor to make any payment or do any act; that no omission on the part of the City to give any notice of extension of time granted by or on behalf of the City shall be availed of by the Sureties or any of them as a defense upon this Bond; that the Sureties shall not set up or have any defense upon this bond by reason of any alteration of the said contract unless such alteration shall be represented by a formal written instrument duly executed between the City and the Contractor which shall have been duly authorized by a vote of the Commission; and that in case of such alteration, however made, the same shall be a defense to the Sureties only to the extent of the actual injury or damage caused to the Sureties by said alteration.*

ROUTE 5, SECTION 1, BATTERY PARK TO DEY STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 1.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of invitation to contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned†.....

..... do..

hereby, in pursuance of the invitation to contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of section 1 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	160,000	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	143,000	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	9,000	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	61,000	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	3,000	
	(b) For buildings from seven to twelve stories in height, per front foot	.....	400	.....
	(c) For buildings over twelve stories in height, per front foot	.....	300	.....
6.	For concrete masonry, in place, per cubic yard	.....	70,500	.....
7.	For protective concrete masonry in place, outside of waterproofing, per cubic yard.	.....	10,300	.....
8.	For rubble stone masonry in place, per cubic yard	.....	2,300	.....
9.	For brick masonry, in place, per cubic yard	.....	100	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	770	.....
12.	For timber piles, in place, and prepared, per lineal foot	.....	5,000	.....
13.	For timber foundations, placed and fastened, per thousand feet, B. M	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	3,200	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	80,000	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	4,000	.....
	(d) For 4-ply, per square foot	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	12,200	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	2,430	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	1,800	.....
18.	For tunnel ducts, in place, as required by Section 305 of the specifications, per duct foot	.....	238,000	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	5,500	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	4,400	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	660	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	10	.....
26.	For wire mesh in place, per pound	.....	10,600	.....
27.	For one and one-half inch (1½ inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	100	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	9,000	.....
29.	For vault lights, in place, per square foot	.....	4,500	.....
30.	For street surface restored:			
	(a) Sidewalks, including curbs and all structures and growths therein or thereon, per square yard	.....	7,140	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	14,520	.....
31.	For park surface restored (all classes), per square yard	.....	20,800	.....
32.	For wrought iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths inch (¾-inch) wrought iron, per lineal foot	.....	18,900	.....
	(b) For one and one-half inch (1½ inch) wrought iron, per lineal foot	.....	3,230	.....
	(c) for two inch (2 inch) wrought iron, per lineal foot	.....	1,730	.....
	(d) For two inch (2 inch) fibre, per lineal foot	.....	6,600	.....
33.	For cast-iron outlet boxes in place, in stations, each	.....	1,030	.....
34.	For six inch (6 inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	140	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	1,250	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	720	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 foot 6 inch by 2 foot 4 inch per lineal foot	.....	*2,168	.....
47.	For 4 foot by 2 foot 8 inch per lineal foot.	.....	*452	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	5,500	.....
	(b) For horse railroads, per lineal foot of single track	.....	240	.....
76.	For the temporary and permanent support and maintenance of elevated railroad structures, and all work incidental thereto, per column	.....	120	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications. Water and Gas Pipes—Items 77 to 108. Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	760	.....
82.	For 12-inch water pipe, per lineal foot	.....	730	.....
84.	For 20-inch water pipe, per lineal foot	.....	680	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot	.....	280	.....
91.	For 6-inch gas pipe, per lineal foot	.....	610	.....
96.	For 20-inch gas pipe, per lineal foot	.....	90	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	25	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	6	.....
	Steam Pipes, Air Pipes and Mail Tubes—Items 109 to 126. Steam Pipes—Items 109 to 120.			
	For steam pipe, in place, as follows:			
110.	For 8-inch steam pipe, per lineal foot	.....	30	.....
113.	For 15-inch steam pipe, per lineal foot	.....	830	.....

*The execution of the bond must be duly proved before delivery in the form essential to proof to entitle a deed to record in the State of New York. Full affidavits of justification of sureties must be added.

†The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

*Balance remaining after deducting portion of sewer included in railroad construction under section 424 of the specifications.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	New Steel-welded Flanged Steam Pipe Delivered on the Work, as Follows—Items 115 to 120.			
116.	For 8-inch steam pipe, per lineal foot....	.....	30	.....
119.	For 15-inch steam pipe, per lineal foot....	.....	200	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)			
127.	For electric ducts and conduits in place, as provided in Section 71-a of the specifications, per duct foot.....	.....	45,900	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York, pursuant to the terms of the said contract, a bond in the sum of five hundred thousand dollars ($500,000) in the form hereto annexed with the following named sureties, viz.:

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room .... on the ..... floor of the building ....., in the Borough of ....., in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand dollars ($15,000). If the Commission shall notify the undersigned that this contractor's proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the invitation to contractors and this contractor's proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said invitation to contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this proposal.

(6) There are no persons interested with the undersigned in this proposal, except*

(7) This proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District, is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the ....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

....., being duly sworn, says: I am† the proposing contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this ..... day of ....., 1910.

ROUTE 5, SECTION 2, DEY STREET TO WALKER STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 2.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of invitation to contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡..... do..

hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 2 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	256,100	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	142,300	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard.....	.....	3,500	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	100	.....
4.	*For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot.....	.....	3,000	.....
	(b) For buildings from seven to twelve stories in height, per front foot.....	.....	1,300	.....
	(c) For buildings over twelve stories in height, per front foot.....	.....	750	.....
5.	For tunnel excavation, including disposal of material, timbering, etc., per cubic yard	.....	23,300	.....
6.	For concrete masonry in place, per cubic yard	.....	84,800	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard.	.....	6,220	.....
8.	For rubble stone masonry in place, per cubic yard	.....	3,250	.....
9.	For brick masonry, in place, per cubic yard.	.....	50	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard.....	.....	2,360	.....
11.	For grout of Portland cement, per barrel of Portland cement used.....	.....	4,000	.....
12.	For timber piles, in place, and prepared, per linear foot.....	.....	1,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B.M.....	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	3,300	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard.....	.....	45,500	.....
	(b) For 2-ply, per square yard.....	.....	100	.....
	(c) For 3-ply, per square yard.....	.....	5,300	.....
	(d) For 4-ply, per square yard.....	.....	100	.....
	(e) For 5-ply, per square yard.....	.....	100	.....
	(f) For 6-ply, per square yard.....	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard.....	.....	7,300	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	210	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	100	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	1,600	.....
18.	For tunnel ducts, in place, as required by section 305 of the specifications, per duct foot	.....	365,400	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds.....	.....	6,700	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	3,850	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds.....	.....	1,240	.....
22.	For cast-iron tunnel lining, in place in the work, including the placing of bolts and washers and caulking of joints, etc., per ton of two thousand pounds.....	.....	5,300	.....
23.	For steel bolts and washers for tunnel lining, per ton of two thousand pounds..	.....	75	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds...	.....	20	.....
26.	For wire mesh, in place, per pound.....	.....	13,620	.....
27.	For one and one-half inch (1½ inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per linear foot	.....	9,130	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot..	.....	10,310	.....
29.	For vault lights, in place, per square foot..	.....	2,900	.....
30.	For street surface restored:			
	(a) Sidewalks, including curbs and all structures and growths therein or thereon, per square yard.....	.....	8,065	.....
	(b) For temporary repavement and maintenance of roadways, per square yard...	.....	18,695	.....
31.	For park surface restored (all classes), per square yard	.....	1,300	.....
32.	For wrought-iron or fibre electric conduits, in place in stations, as follows:			
	(a) For three-fourths inch (¾ inch) wrought-iron, per lineal foot.....	.....	31,300	.....
	(b) For one and one-half inch (1½ inch) wrought-iron, per lineal foot.....	.....	1,550	.....
	(c) For two-inch (2 inch) wrought-iron, per lineal foot.....	.....	830	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	4,400	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	1,160	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of .....";
if a corporation, say, "the (President or other officer duly authorized) of the..... Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

*Not to include underpinning, if any, in connection with construction of iron-lined tunnel portion.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	380	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	1,760	.....
42.	For cast-iron sewer pipe (straight pipe) in place in the work, per ton of two thousand pounds	.....	9	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3-foot 6-inch by 2-foot 4-inch, per lineal foot	.....	*185	.....
47.	For 4-foot by 2-foot 8-inch, per lineal foot	.....	(†95)	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per linear foot of single track	.....	6,750	.....
	(b) For horse railroads, per linear foot of single track	.....	770	.....
76.	For the temporary and permanent support and maintenance of elevated railroad structures, and all work incidental thereto, per column	.....	6	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications. Water and Gas Pipes—Items 77 to 108. Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
82.	For 4-inch water pipe, per lineal foot	.....	500	.....
85.	For 24-inch water pipe, per lineal foot	.....	1,200	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
94.	For 12-inch gas pipe, per lineal foot	.....	500	.....
95.	For 16-inch gas pipe, per lineal foot	.....	500	.....
96.	For 20-inch gas pipe, per lineal foot	.....	500	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	50	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	13	.....
	High Pressure Fire System Pipes, Standard Spigot and Grooves—Items 102 to 106.			
	For high pressure fire system pipe in place, as follows:			
102.	For 8-inch high pressure fire system water pipe, per lineal foot	.....	100	.....
103.	For 12-inch high pressure fire system water pipe, per lineal foot	.....	200	.....
104.	For 16-inch high pressure fire system water pipe, per lineal foot	.....	180	.....
106.	For 24-inch high pressure fire system water pipe, per lineal foot	.....	120	.....
	New Cast-Iron Spigot and Groove Pipe for High Pressure Fire System—Items 107 and 108.			
107.	For new cast-iron spigot and groove straight pipe delivered on the work, per ton of two thousand pounds	.....	15	.....
108.	For new cast-iron spigot and groove pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	5	.....
	Steam Pipes—Items 109 to 120.			
	For steam pipe in place, as follows:			
110.	For 8-inch steam pipe, per lineal foot	.....	500	.....
	New Steel-Welded Flanged Steam Pipe Delivered on the Work, as Follows—Items 115 to 120.			
116.	For 8-inch steam pipe, per lineal foot	.....	100	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets. (Other than tunnel ducts and street railroad ducts, which are provided for in Items 18 and 75-a).			
127.	For electric ducts and conduits in place, as provided in section 71a of the specifications, per duct foot	.....	31,000	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York, pursuant to the terms of the said contract, a bond in the sum of six hundred thousand dollars ($600,000), in the form hereto annexed with the following named sureties, viz.:

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room ...., on the .... floor of the building ....., in the Borough of ....., in the City of New York. Such delivery shall be sufficient notice to the undersigned.

*Balance remaining after deducting portion of sewer included in Railroad construction under section 424 of the specifications.

†Included in railroad construction under section 424 of the specifications.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand dollars ($15,000). If the Commission shall notify the undersigned that this Contractor's proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this proposal.

(6) There are no persons interested with the undersigned in this proposal except*

(7) This proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the Contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the ....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

....., being duly sworn, says: I am†..... the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this ..... day of ....., 1910.

ROUTE 5, SECTION 2-A, WALKER STREET TO HOWARD STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 2-A.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡.....

..... do.. hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 2-A of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	28,070	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	59,370	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	100	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned, as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	318	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	70	.....
	(c) For buildings over twelve stories in height, per front foot	.....	.....	.....
6.	For concrete masonry, in place, per cubic yard	.....	18,180	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard	.....	2,625	.....
8.	For rubble stone masonry in place, per cubic yard	.....	500	.....
9.	For brick masonry, in place, per cubic yard	.....	230	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	105	.....
12.	For timber piles, in place, and prepared, per lineal foot	.....	1,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M	.....	2M	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of ....."; if a corporation, say "the (President or other officer duly authorized) of the ..... Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	1,070	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	20,625	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	1,255	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	120	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	3,255	.....
17.	For vitrified or cast-iron drain pipe in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	800	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	625	.....
18.	For tunnel ducts, in place, as required by section 305 of the specifications, per duct foot	.....	45,025	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	2,275	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	1,945	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	23	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	10	.....
26.	For wire mesh, in place, per pound	.....	4,100	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	900	.....
29.	For vault lights, in place, per square foot.	.....	2,025	.....
30.	For street surface restored:			
	(a) Sidewalks, including curbs and all structures and growths therein or thereon, per square yard	.....	2,442	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	2,798	.....
32.	For wrought-iron or fibre electric conduits, in place in stations, as follows:			
	(a) For three-fourths-inch (¾-inch) wrought-iron, per lineal foot	.....	9,640	.....
	(b) For one and one-half-inch (1½-inch) wrought-iron, per lineal foot	.....	520	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	260	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	2,160	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	578	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	770	.....
	SEWERS—ITEMS 37 TO 74.			
	Egg-Shaped Brick or Concrete Sewers, Items 44 to 51.			
45.	For 3 foot 6 inch by 2 foot 4 inch, per lineal foot	.....	(†190)	.....
47.	For 4 foot 0 inch by 2 foot 8 inch, per lineal foot	.....	(†230)	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete, Items 52 to 66.			
54.	For 4 foot 3 inch, per lineal foot	.....	(†42)	.....
55.	For 4 foot 9 inch, per lineal foot	.....	(†208)	.....
57.	For 5 foot 6 inch, per lineal foot	.....	(†68)	.....
	SURFACE AND SUBSURFACE STRUCTURES, ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	1,280	.....
	(b) For horse railroads, per lineal foot of single track	.....	100	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
82.	For 12-inch water pipe, per lineal foot	.....	500	.....
86.	For 30-inch water pipe, per lineal foot	.....	400	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
91.	For 6-inch gas pipe, per lineal foot	.....	960	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	21	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	6	.....
	High Pressure Fire System Pipes, Standard Spigot and Grooves—Items 102 to 106.			
	For high pressure fire system pipe in place, as follows:			
102.	For 8-inch high pressure fire system water pipe, per lineal foot	.....	100	.....
103.	For 12-inch high pressure fire system water pipe, per lineal foot	.....	490	.....
104.	For 16-inch high pressure fire system water pipe, per lineal foot	.....	150	.....
	New Cast-iron Spigot and Groove Pipe for High Pressure Fire System—Items 107 and 108.			
107.	For new cast-iron spigot and groove straight pipe delivered on the work, per ton of two thousand pounds	.....	12	.....
108.	For new cast-iron spigot and groove pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	4	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)			
127.	For electric ducts and conduits in place, as provided in Section 71-a of the specifications, per duct foot	.....	11,000	.....

†Included in Railroad construction under section 424 of the specifications.

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of two hundred and fifty thousand dollars ($250,000) in the form hereto annexed with the following named Sureties, viz.:

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No.....on the.....floor of the building No.....in the Borough of..... in the City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

..... being duly sworn, says: I am†..... the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910.

ROUTE 5, SECTION 3, HOWARD STREET TO BLEECKER STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 3.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡..... do..... hereby, in pursuance of the Invitation to Contractors, a copy of which is attached

*Here insert the names and addresses of all persons interested with the bidder If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of....."; if a corporation, say "the (President or other officer duly authorized) of the.....Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 3 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	172,000	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	40,500	.....
2-a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	10,400	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	3,700	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	1,700	.....
	(c) For buildings over twelve stories in height, per front foot	.....	.....	.....
6.	For concrete masonry, in place, per cubic yard	.....	42,300	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard.	.....	2,200	.....
8.	For rubble stone masonry in place, per cubic yard	.....	2,300	.....
9.	For brick masonry, in place, per cubic yard	.....	50	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	1,230	.....
12.	For timber piles, in place, and prepared, per lineal foot	.....	1,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M.	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	2,800	.....
15.	For waterproofing treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	16,900	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	3,700	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	3,060	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	1,460	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	1,170	.....
18.	For tunnel ducts, in place, as required by Section 305 of the specifications, per duct foot	.....	207,400	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	2,560	.....
20.	For steel beams and shapes with connections painted and erected, per ton of two thousand pounds	.....	780	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	1,530	.....
24.	For cast-iron columns erected and painted, per ton of two thousand pounds	.....	10	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	12	.....
26.	For wire mesh, in place, per pound	.....	6,400	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	3,520	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	8,200	.....
29.	For vault lights, in place, per square foot	.....	5,000	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein or thereon, per square yard	.....	9,390	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	14,240	.....
32.	For wrought-iron or fibre electric conduits, in place in stations, as follows:			
	(a) For three-fourths inch (¾-inch) wrought-iron, per lineal foot	.....	7,600	.....
	(b) For one and one-half inch (1½ inch) wrought-iron, per lineal foot	.....	1,000	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	520	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	.....	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	440	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	160	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	1,272	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	543	.....
42.	For cast-iron sewer pipe (straight pipe) in place in the work, per ton of two thousand pounds	.....	283	.....
	Egg-shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 foot 6 inch by 2 foot 4 inch, per lineal foot	.....	*554	.....
48.	For 4 foot 3 inch by 2 foot 10 inch, per lineal foot	.....	484	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete—Items 52 to 66.			
53.	For 4 foot 0 inch, per lineal foot	.....	1,145	.....
54.	For 4 foot 3 inch, per lineal foot	.....	*284	.....
	SURFACE AND SUBSURFACE STRUCTURES. ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	5,470	.....
	(b) For horse railroads, per lineal foot of single track	.....	720	.....
	PIPES IN STREETS—ITEMS 77 to 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
82.	For 12-inch water pipe, per lineal foot	.....	600	.....
86.	For 30-inch water pipe, per lineal foot	.....	800	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	32	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	8	.....
	High Pressure Fire System Pipes, Standard Spigot and Grooves—Items 102 to 106.			
	For high pressure fire system pipe in place, as follows:			
102.	For 8-inch high pressure fire system water pipe, per lineal foot	.....	100	.....
103.	For 12-inch high pressure fire system water pipe, per lineal foot	.....	410	.....
105.	For 20-inch high pressure fire system water pipe, per lineal foot	.....	120	.....
	New Cast-iron Spigot and Groove Pipe for High Pressure Fire System—Items 107 and 108.			
107.	For new cast-iron spigot and groove straight pipe delivered on the work, per ton of two thousand pounds	.....	10	.....
108.	For new cast-iron spigot and groove pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	3	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)			
127.	For electric ducts and conduits in place, as provided in Section 71-a of the specifications, per duct foot	.....	42,000	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of three hundred thousand dollars ($300,000) in the form hereto annexed with the following named Sureties, viz.:

....
....
....
....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No. ..... on the ..... floor of the building No. ..... in the Borough of ..... in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of

*Balance remaining after deducting portion of sewer included in Railroad construction under section 424 of the specifications.

The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the ....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

..... being duly sworn, says: I am†.....

the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this ..... day of ....., 1910.

ROUTE 5, SECTION 4, BLEECKER STREET TO 14TH STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.
(Route 5, Section 4.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡.....

..... do..

hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 4 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids, and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	181,400	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	14,100	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	9,000	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	25,700	.....
4.	For underpinning buildings, including all incidental work and material per lineal front foot of building underpinned, as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	2,100	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	1,600	.....
	(c) For buildings over twelve stories in height, per front foot	.....	70	.....
5.	For tunnel excavation, including disposal of material, timbering, etc., per cubic yard	.....	33,000	.....
6.	For concrete masonry, in place, per cubic yard	.....	46,400	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard.	.....	1,200	.....
8.	For rubble stone masonry in place, per cubic yard	.....	900	.....
9.	For brick masonry, in place, per cubic yard	.....	1,300	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	1,700	.....
11.	For grout of Portland cement, per barrel of Portland cement used	.....	1,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M.	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	3,700	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	9,900	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	1,320	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	1,550	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	3,330	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	4,420	.....
18.	For tunnel ducts, in place, as required by Section 305 of the specifications, per duct foot	.....	437,000	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	1,940	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	1,750	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	1,250	.....
24.	For cast-iron columns erected and painted, per ton of two thousand pounds	.....	90	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	16	.....
26.	For wire mesh, in place, per pound	.....	6,030	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	10,140	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	6,200	.....
29.	For vault lights, in place, per square foot	.....	900	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard	.....	6,950	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	15,470	.....
31.	For park surface restored (all classes), per square yard	.....	1,350	.....
32.	For wrought-iron or fibre electric conduits, in place in stations, as follows:			
	(a) For three-fourths-inch (¾-inch) wrought-iron, per lineal foot	.....	4,500	.....
	(b) For one and one-half-inch (1½-inch) wrought-iron, per lineal foot	.....	570	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	310	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	2,200	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	242	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	25	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	2,134	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	170	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 foot 6 inch by 2 foot 4 inch, per lineal foot	.....	1,978	.....
48.	For 4 foot 3 inch by 2 foot 10 inch, per lineal foot	.....	228	.....
	SURFACE AND SUBSURFACE STRUCTURES—*Items 75 and 76.*			
75	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	4,800	.....
	(b) For horse railroads, per lineal foot of single track	.....	150	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of.....", if a corporation, say "the (President or other officer duly authorized) of the..... Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot....	.....	100	.....
79.	For 6-inch water pipe, per lineal foot....	.....	530	.....
82.	For 12-inch water pipe, per lineal foot....	.....	1,560	.....
87.	For 36-inch water pipe, per lineal foot....	.....	2,300	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot.....	.....	130	.....
91.	For 6-inch gas pipe, per lineal foot.....	.....	1,800	.....
92.	For 8-inch gas pipe, per lineal foot.....	.....	1,070	.....
94.	For 12-inch gas pipe, per lineal foot.....	.....	270	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds.....	.....	130	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds.....	.....	40	.....
	High Pressure Fire System Pipes, Standard Spigot and Grooves—Items 102 to 106.			
	For high pressure fire system pipe in place, as follows:			
102.	For 8-inch high pressure fire system water pipe, per lineal foot.....	.....	100	.....
103.	For 12-inch high pressure fire system water pipe, per lineal foot.....	.....	90	.....
104.	For 16-inch high pressure fire system water pipe, per lineal foot.....	.....	120	.....
	New Cast-iron Spigot and Groove Pipe for High Pressure Fire System—Items 107 and 108.			
107.	For new cast-iron spigot and groove straight pipe delivered on the work, per ton of two thousand pounds.....	.....	12	.....
108.	For new cast-iron spigot and groove pipe, special castings, delivered on the work, per ton of two thousand pounds.....	.....	4	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a).			
127.	For electric ducts and conduits in place, as provided in Section 71-a of the specifications, per duct foot.....	.....	49,600	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of three hundred thousand dollars ($300,000) in the form hereto annexed with the following named Sureties, viz.:

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No. ..... on the ..... floor of the building No. ..... in the Borough of ..... in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City damages by it sustained by reason of such failure of the undersigned as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the ....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

....., being duly sworn, says: I am†.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of .....": if a corporation, say "the (President or other officer duly authorized) of the..... ..... Company."

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 ....., 1910.

ROUTE 5, SECTION 5, 14TH STREET TO 26TH STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 5.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned*.....

..... do..

hereby, in pursuance to the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 5 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	106,000	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard.....	.....	17,500	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	21,800	.....
3a.	For rock excavation for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	3,800	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned, as follows:			
	(a) For buildings, less than seven stories in height, per front foot.....	.....	400	.....
	(b) For buildings from seven to twelve stories in height, per front foot.....	.....	.....	.....
	(c) For buildings over twelve stories in height, per front foot.....	.....	.....	.....
5.	For tunnel excavation, including disposal of material, timbering, etc., per cubic yard	.....	75,300	.....
6.	For concrete masonry, in place, per cubic yard	.....	37,800	.....
7.	For protective concrete masonry in place, outside of waterproofing, per cubic yard.	.....	620	.....
8.	For rubble stone masonry in place, per cubic yard	.....	350	.....
9.	For brick masonry, in place, per cubic yard.	.....	3,100	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard.....	.....	1,400	.....
11.	For grout of Portland cement, per barrel of Portland cement used.....	.....	2,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M.....	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	3,500	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard.....	.....	5,900	.....
	(b) For 2-ply, per square yard.....	.....	100	.....
	(c) For 3-ply, per square yard.....	.....	5,600	.....
	(d) For 4-ply, per square yard.....	.....	100	.....
	(e) For 5-ply, per square yard.....	.....	100	.....
	(f) For 6-ply, per square yard.....	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard.....	.....	770	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	6,600	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	9,000	.....
18.	For tunnel ducts, in place, as required by Section 305 of the specifications, per duct foot	.....	525,000	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds.....	.....	270	.....

*The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	650	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	1,150	.....
24.	For cast-iron columns erected and painted, per ton of two thousand pounds	.....	130	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes, in place, per ton of two thousand pounds	.....	15	.....
26.	For wire mesh, in place, per pound	.....	1,400	.....
27.	For one and one-half inch (1½ inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	11,100	.....
28.	For steel gratings, for ventilation, in place, including frames, etc., per square foot	.....	8,300	.....
29.	For vault lights, in place, per square foot.	.....	5,500	.....
30.	For street surface restored: (a) Sidewalks, including curbs and all structures and growths therein and thereon, per square yard	.....	5,950	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	14,050	.....
31.	For park surface restored (all classes), per square yard	.....	1,000	.....
32.	For wrought-iron or fibre electric conduits, in place in stations, as follows: (a) For three-fourths inch (¾ inch) wrought iron, per lineal foot	.....	15,500	.....
	(b) For one and one-half inch (1½ inch) wrought-iron per lineal foot	.....	450	.....
	(c) For two inch (2 inch) wrought-iron, per lineal foot	.....	230	.....
	(d) For two inch (2 inch) fibre, per lineal foot	.....	4,000	.....
33.	For cast-iron outlet boxes in place in station, each	.....	640	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	40	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	1,738	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	280	.....
42.	For cast-iron sewer pipe (straight pipe) in place in the work, per ton of two thousand pounds	.....	4	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 foot 6 inch by 2 foot 4 inch, per lineal foot	.....	1,465	.....
47.	For 4 foot by 2 foot 8 inch, per lineal foot	.....	248	.....
48.	For 4 foot 3 inch by 2 foot 10 inch, per lineal foot	.....	240	.....
49.	For 4 foot 6 inch by 3 foot, per lineal foot	.....	242	.....
50.	For 4 feet 9 inches by 3 feet 2 inches per lineal foot	.....	246	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete—Items 52 to 66.			
52.	For 3 feet 9 inches, per lineal foot	.....	264	.....
60.	For 6 feet 0 inch, per lineal foot	.....	1,250	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows: (a) For electric railroads, per lineal foot of single track	.....	2,300	.....
	(b) For horse railroads, per lineal foot of single track	.....	200	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108. Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	1,800	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot	.....	460	.....
91.	For 6-inch gas pipe, per lineal foot	.....	1,490	.....
92.	For 8-inch gas pipe, per lineal foot	.....	720	.....
94.	For 12-inch gas pipe, per lineal foot	.....	580	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
	two thousand pounds	.....	20	.....
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of			
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	5	.....

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets. (Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a).			
127.	For electric ducts and conduits in place, as provided in Section 71-a of the specifications, per duct foot	.....	86,000	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of three hundred thousand dollars ($300,000) in the form hereto annexed with the following named Sureties, viz.:.....

.....

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No.....on the.....floor of the building No.....in the Borough of..... in the City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated, the ....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

....., being duly sworn, says: I am†..... the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this ..... day of ....., 1910.

ROUTE 5, SECTION 6, 26TH STREET TO 40TH STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.
(Route 5, Section 6.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of Form of Contract. Copy of Form of Bond.

To the Public Service Commission for the First District:

1. The undersigned‡..... do .....

hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 6 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	73,000	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	500	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of .....; if a corporation, say, "the .....Company." (President or other officer duly authorized) of the.....

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	37,000	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	116,200	.....
3a.	For rock excavation for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	27,000	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned, as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	340	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	30	.....
	(c) For buildings over twelve stories in height, per front foot	.....	.....	.....
5.	For tunnel excavation (except tunneling sewers), including disposal of material, timbering, etc., per cubic yard	.....	85,000	.....
5a.	For tunnel excavation for sewers and pipes, including the disposal of material, timber, etc., per cubic yard	.....	2,810	.....
6.	For concrete masonry, in place, per cubic yard	.....	42,300	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard	.....	370	.....
8.	For rubble stone masonry in place, per cubic yard	.....	1,700	.....
9.	For brick masonry, in place, per cubic yard	.....	1,610	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	880	.....
11.	For grout of Portland cement, per barrel of Portland cement used	.....	2,500	.....
13.	For timber foundations, placed and fastened, per thousand ft. B. M.	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	3,100	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	4,810	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	6,300	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	650	.....
17.	For vitrified or cast iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	5,100	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	8,200	.....
18.	For tunnel ducts, in place, as required by section 305 of the specifications, per duct foot	.....	555,000	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	1,770	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	2,710	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	610	.....
24.	For cast iron columns erected and painted, per ton of two thousand pounds	.....	60	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	15	.....
26.	For wire mesh, in place, per pound	.....	8,200	.....
27.	For one and one-half inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	12,900	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	10,100	.....
29.	For vault lights, in place, per square foot	.....	6,400	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard	.....	3,170	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	19,630	.....
32.	For wrought-iron or fibre electric conduits, in place in stations, as follows:			
	(a) For three-fourths inch (¾-inch) wrought-iron, per lineal foot	.....	12,000	.....
	(b) For one and one-half inch (1½-inch) wrought-iron, per lineal foot	.....	900	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	460	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	4,400	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	640	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	60	.....

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	720	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	1,055	.....
42.	For cast-iron sewer pipe (straight pipe) in place in the work, per ton of two thousand pounds	.....	9	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches, per lineal foot	.....	390	.....
47.	For 4 feet 0 inch by 2 feet 8 inches, per lineal foot	.....	†(60)	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete—Items 52 to 66.			
57.	For 5 feet 6 inches per lineal foot	.....	1,080	.....
58.	For 5 feet 6 inches in tunnel, per lineal foot	.....	1,280	.....
60.	For 6 feet 0 inch per lineal foot	.....	1,160	.....
64.	For 8 feet 0 inch per lineal foot	.....	420	.....
66.	For 9 feet 6 inches per lineal foot	.....	1,935	.....
	Sewers of Special Forms—Items 67 to 72.			
71.	For triple section, per lineal foot	.....	102	.....
72.	For 4 feet 0 inch wooden barrel, per lineal foot	.....	336	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	5,800	.....
	(b) For horse railroads, per lineal foot of single track	.....	270	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	1,230	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot	.....	160	.....
91.	For 6-inch gas pipe, per lineal foot	.....	830	.....
92.	For 8-inch gas pipe, per lineal foot	.....	880	.....
94.	For 12-inch gas pipe, per lineal foot	.....	1,000	.....
95.	For 16-inch gas pipe, per lineal foot	.....	110	.....
96.	For 20-inch gas pipe, per lineal foot	.....	230	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	27	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	7	.....
	Air Pipes—Items 121 to 124.			
	For air pipe in place, as follows:			
122.	For 8-inch air pipe, per lineal foot	.....	250	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75a.)			
127.	For electric ducts and conduits in place, as provided in Section 71a of the specifications, per duct foot	.....	103,000	.....

(2) If this proposal is accepted, the undersigned will, within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of three hundred and fifty thousand dollars ($350,000) in the form hereto annexed, with the following named Sureties, viz.:

....
....
.....
.....
.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No. .... on the ..... floor of the building No. ..... in the Borough of ..... in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said con-

†Included in Railroad construction under section 424 of the specifications.

tract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated, the ....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

....., being duly sworn, says: I am†..... the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this ..... day of ....., 1910.

ROUTE 5, SECTION 7, 40TH STREET TO 53D STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.
(Route 5, Section 7.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors, copy of form of contract, copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡..... ..... do .. hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 7 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	125,600	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	6,300	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	221,000	.....
3a.	For rock excavation, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	5,800	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned, as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	1,284	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	145	.....
	(c) For buildings over twelve stories in height, per front foot	.....	.....	.....
5.	For tunnel excavation (except tunneling for sewers), including disposal of material, timbering, etc., per cubic yard	.....	17,700	.....
5a.	For tunnel excavation for sewers and pipes, including the disposal of material, timber, etc., per cubic yard	.....	565	.....
6.	For concrete masonry, in place, per cubic yard	.....	54,200	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard	.....	1,240	.....
8.	For rubble stone masonry in place, per cubic yard	.....	3,200	.....
9.	For brick masonry, in place, per cubic yard	.....	800	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	230	.....
11.	For grout of Portland cement, per barrel of Portland cement used	.....	500	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	2,250	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	5,535	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	10,840	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	1,020	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	6,500	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	8,570	.....
18.	For tunnel ducts, in place, as required by section 305 of the specifications, per duct foot	.....	609,000	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	4,390	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	3,650	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	380	.....
24.	For cast-iron columns erected and painted, per ton of two thousand pounds	.....	52	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	18	.....
26.	For wire mesh, in place, per pound	.....	5,900	.....
27.	For one and one half inch (1½-inch.) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	9,783	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	10,100	.....
29.	For vault lights, in place, per square foot	.....	8,150	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard	.....	9,970	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	15,430	.....
32.	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths inch (¾-inch) wrought-iron, per lineal foot	.....	23,100	.....
	(b) For one and one-half inch (1½-inch) wrought-iron, per lineal foot	.....	1,070	.....
	(c) For two-inch (2-inch) wrought-iron per lineal foot	.....	575	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	6,610	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	994	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	440	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	2,887	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	830	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches, per lineal foot	.....	1,044	.....
47.	For 4 feet 0 inches x 2 feet 8 inches per lineal foot	.....	806	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete—Items 52 to 66.			
53.	For 4 feet 0 inches per lineal foot	.....	300	.....
58.	For 5 feet 6 inches, in tunnel, per lineal foot	.....	257	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	7,192	.....
	(b) For horse railroads, per lineal foot of single track	.....	.....	.....
76.	For the temporary and permanent support and maintenance of elevated railroad structures, and all work incidental thereto, per column	.....	4	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	800	.....
82.	For 12-inch water pipe, per lineal foot	.....	340	.....
84.	For 20-inch water pipe, per lineal foot	.....	700	.....
86.	For 30-inch water pipe, per lineal foot	.....	140	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of .....;" if a corporation, say, "the (President or other officer duly authorized) of the.....Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot.....	.....	360	.....
91.	For 6-inch gas pipe, per lineal foot.....	.....	200	.....
92.	For 8-inch gas pipe, per lineal foot.....	.....	540	.....
94.	For 12-inch gas pipe, per lineal foot.....	.....	270	.....
95.	For 16-inch gas pipe, per lineal foot.....	.....	470	.....
96.	For 20-inch gas pipe, per lineal foot.....	.....	180	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	40	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds.....	.....	10	.....
	Air Pipes—Items 121 to 124.			
	For air pipe in place, as follows:			
121.	For 6-inch air pipe, per lineal foot.....	.....	130	.....
122.	For 8-inch air pipe, per lineal foot.....	.....	500	.....
123.	For new 6-inch air pipe, delivered on the work, per lineal foot.....	.....	30	.....
124.	For new 8-inch air pipe delivered on the work, per lineal foot.....	.....	100	.....
	Mail Tubes—Items 125 and 126.			
125.	For 8-inch mail tube in place, per lineal foot	.....	1,900	.....
126.	For new 8-inch mail tube, delivered on the work, per ton of two thousand pounds..	.....	10	.....
	DUCTS IN STREETS			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a).			
127.	For electric ducts and conduits in place, as provided in Section 71a of the specifications, per duct foot.....	.....	106,000	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of three hundred and fifty thousand dollars ($350,000) in the form hereto annexed with the following named Sureties, viz.:

....
....
....
....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No. ..... on the ..... floor of the building No. ..... in the Borough of..... in the City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially desposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the ....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

.....being duly sworn, says: I am†..... the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this ..... day of ....., 1910.

ROUTE 5, SECTION 8, 53D STREET TO 67TH STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 8.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡..... ..... do..

hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 8 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids, and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	172,700	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	24,000	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	54,000	.....
3a.	For rock excavation for sewers and pipes, including the disposal of it, etc., per cubic yard.....	.....	2,200	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot.....	.....	1,743	.....
	(b) For buildings from seven to twelve stories in height, per front foot.....	.....	.....	.....
	(c) For buildings over twelve stories in height, per front foot.....	.....	.....	.....
5.	For tunnel excavation, including disposal of material, timbering, etc., per cubic yard	.....	78,900	.....
6.	For concrete masonry, in place, per cubic yard	.....	45,100	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard.	.....	430	.....
8.	For rubble stone masonry in place, per cubic yard	.....	3,750	.....
9.	For brick masonry, in place, per cubic yard.	.....	3,480	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard.....	.....	470	.....
11.	For grout of Portland cement, per barrel of Portland cement used.....	.....	2,000	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	2,400	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard.....	.....	3,050	.....
	(b) For 2-ply, per square yard.....	.....	100	.....
	(c) For 3-ply, per square yard.....	.....	7,600	.....
	(d) For 4-ply, per square yard.....	.....	100	.....
	(e) For 5-ply, per square yard.....	.....	100	.....
	(f) For 6-ply, per square yard.....	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard.....	.....	430	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	7,100	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	11,170	.....
18.	For tunnel ducts, in place, as required by Section 305 of the specifications, per duct foot	.....	569,000	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds.....	.....	1,417	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	760	.....
21.	For steel rods and bars built in concrete per ton of two thousand pounds.....	.....	1,305	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes; in place, per ton of two thousand pounds...	.....	5	.....
26.	For wire mesh, in place, per pound.....	.....	1,370	.....
27.	For one and one half-inch (1½ inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	12,758	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	8,560	.....
29.	For vault lights, in place, per square foot.	.....	5,600	.....
30.	For street surface restored:			
	(a) Sidewalks, including curbs and all structures and growths therein and thereon, per square yard.....	.....	8,710	.....
	(b) For temporary repavement and maintenance of roadways, per square yard....	.....	17,190	.....
32.	For wrought iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths inch (¾-inch) wrought-iron, per lineal foot	.....	7,865	.....
	(b) For one and one-half inch (1½-inch) wrought-iron, per lineal foot.....	.....	706	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons, strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of .....;" if a corporation, say " (President or other officer duly authorized) of the ..... Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A, B., C, D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	380	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	2,200	.....
33.	For cast-iron outlet boxes in place, in stations, each	.....	494	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	90	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	1,596	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	1,758	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches per lineal foot	.....	1,863	.....
47.	For 4 feet 0 inch by 2 feet 8 inches per lineal foot	.....	342	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete—Items 52 to 66.			
59.	For 5 feet 9 inches per lineal foot	.....	268	.....
60.	For 6 feet 0 inch per lineal foot	.....	260	.....
63.	For 7 feet 0 inch per lineal foot	.....	870	.....
65.	For 8 feet 9 inches per lineal foot	.....	520	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	7,624	.....
	(b) For horse railroads, per lineal foot of single track	.....	.....	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	680	.....
84.	For 20-inch water pipe, per lineal foot	.....	60	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot	.....	400	.....
91.	For 6-inch gas pipe, per lineal foot	.....	800	.....
92.	For 8-inch gas pipe, per lineal foot	.....	900	.....
95.	For 16-inch gas pipe, per lineal foot	.....	60	.....
96.	For 20-inch gas pipe, per lineal foot	.....	1,000	.....
98.	For 30-inch gas pipe, per lineal foot	.....	250	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	36	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	9	.....
	Air Pipes—Items 121 to 124.			
	For air pipe in place, as follows:			
122.	For 8-inch air pipe, per lineal foot	.....	550	.....
124.	For new 8-inch air pipe, delivered on the work, per lineal foot	.....	100	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets. (Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)			
127.	For electric ducts and conduits in place, as provided in Section 71a of the specifications, per duct foot	.....	121,000	.....

(2) If this Proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of three hundred thousand dollars ($300,000) in the form hereto annexed with the following named Sureties, viz.:

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No. ..... on the ..... floor of the building No. ..... in the Borough of ..... in the City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the ....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

....., being duly sworn, says: I am†..... the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this ..... day of ....., 1910.

ROUTE 5, SECTION 9, 67TH STREET TO 79TH STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 9.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡..... do .. hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 9 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	101,100	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	18,000	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	48,400	.....
3a.	For rock excavation for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	500	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned, as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	350	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	.....	.....
	(c) For buildings over twelve stories in height, per front foot	.....	.....	.....
5.	For tunnel excavation, including disposal of material, timbering, etc., per cubic yard	.....	60,900	.....
6.	For concrete masonry in place, per cubic yard	.....	36,360	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard	.....	900	.....
8.	For rubble stone masonry in place, per cubic yard	.....	4,650	.....
9.	For brick, masonry, in place, per cubic yard	.....	2,740	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	525	.....
11.	For grout of Portland cement, per barrel of Portland cement used	.....	2,000	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	1,300	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	4,860	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	7,950	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	824	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of .....;" if a corporation, say "the (President or other officer duly authorized) of the ..... Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	6,490	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	8,540	.....
18.	For tunnel ducts, in place, as required by Section 305 of the specifications, per duct foot	.....	491,400	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	994	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	695	.....
21.	For steel rods and bars built in concrete,, per ton of two thousand pounds	.....	1,017	.....
24.	For cast-iron columns erected and painted, per ton of two thousand pounds	.....	52	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	5	.....
26.	For wire mesh, in place, per pound	.....	1,300	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	10,520	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	5,580	.....
29.	For vault lights, in place, per square foot	.....	2,620	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard	.....	4,790	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	15,760	.....
32.	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths-inch (¾-inch) wrought-iron, per lineal foot	.....	14,045	.....
	(b) For one and one-half inch (1½-inch) wrought-iron, per lineal foot	.....	478	.....
	(c) For two-inch (2-inch) wrought-iron per lineal foot	.....	256	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	4,400	.....
33.	For cast-iron outlet boxes in place, in stations, each	.....	612	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place, in stations, per lineal foot	.....	300	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	2,800	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	530	.....
42.	For cast-iron sewer pipe (straight pipe), in place in the work, per ton of two thousand pounds	.....	12	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches per lineal foot	.....	1,250	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete—Items 52 to 66.			
60.	For 6 feet 0 inch per lineal foot	.....	1,200	.....
62.	For 6 feet 6 inches per lineal foot	.....	240	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports (if required and added and not including additional vaults if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	6,196	.....
	(b) For horse railroads, per lineal foot of single track	.....	.....	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	330	.....
82.	For 12-inch water pipe, per lineal foot	.....	1,050	.....
83.	For 16-inch water pipe, per lineal feet	.....	100	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot	.....	330	.....
91.	For 6-inch gas pipe, per lineal foot	.....	1,200	.....
92.	For 8-inch gas pipe, per lineal foot	.....	280	.....
94.	For 12-inch gas pipe, per lineal foot	.....	290	.....
96.	For 20-inch gas pipe, per lineal foot	.....	530	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	30	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	8	.....
	Air Pipes—Items 121 to 124.			
	For air pipe in place, as follows:			
122.	For 8-inch air pipe, per linear foot	.....	410	.....
124.	For new 8-inch air pipe, delivered on the work, per linear foot	.....	100	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts, which are provided for in Items 18 and 75-a.)			
127.	For electric ducts and conduits in place, as provided in Section 71-a of the specifications, per duct foot	.....	170,000	.....

(2) If this proposal is accepted, the undersigned will, within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York, pursuant to the terms of the said contract, a bond in the sum of three hundred thousand dollars ($300,000), in the form hereto annexed, with the following named Sureties, viz.:

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No....., on the..... floor of the building No..... in the Borough of....., in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that the Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then, if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission, to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

....., being duly sworn, says: I am†

.....

the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910.

ROUTE 5, SECTION 10, 79TH STREET TO 93D STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad

(Route 5, Section 10.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡.....

.....do..

hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 10 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of .....;" if a corporation, say, "the (President or other officer duly authorized) of the.....Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	44,700	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	2,500	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	150,100	.....
3a.	For rock excavation for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	700	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	910	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	100	.....
	(c) For buildings over twelve stories in height, per front foot	.....	..	.....
5.	For tunnel excavation, including disposal of material, timbering, etc., per cubic yard	.....	91,800	.....
6.	For concrete masonry, in place, per cubic yard	.....	49,540	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard	.....	260	.....
8.	For rubble stone masonry in place, per cubic yard	.....	2,300	.....
9.	For brick masonry, in place, per cubic yard	.....	1,940	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	65	.....
11.	For grout of Portland cement, per barrel of Portland cement used	.....	2,500	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	1,000	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	5,820	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	4,820	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	595	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	4,100	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	..	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	10,300	.....
18.	For tunnel ducts, in place, as required by section 305 of the specifications, per duct foot	.....	576,300	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	2,655	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	2,574	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	588	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	5	.....
26.	For wire mesh, in place, per pound	.....	6,970	.....
27.	For one and one-half inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	14,968	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	6,070	.....
29.	For vault lights, in place, per square foot	.....	234	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard	.....	4,130	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	8,340	.....
32.	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths inch (¾-inch) wrought-iron, per lineal foot	.....	9,065	.....
	(b) For one and one-half inch (1½-inch) wrought-iron, per lineal foot	.....	908	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	477	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	4,400	.....
33.	For cast-iron outlet boxes in place, in stations, each	.....	466	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	75	.....

Item	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	1,985	.....
42.	For cast-iron sewer pipe (straight pipe) in place in the work, per ton of two thousand pounds	.....	25	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
44.	For 3 feet 0 inch x 2 feet 0 inch per lineal foot	.....	†(80)	.....
45.	For 3 feet 6 inches x 2 feet 4 inches per lineal foot	.....	95	.....
47.	For 4 feet 0 inch x 2 feet 8 inches per lineal foot	.....	†(210)	.....
51.	For 5 feet 2 inches x 3 feet 5 inches per lineal foot	.....	†(70)	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	3,900	.....
	(b) For horse railroads, per lineal foot of single track	.....	..	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	120	.....
82.	For 12-inch water pipe, per lineal foot	.....	460	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot	.....	200	.....
91.	For 6-inch gas pipe, per lineal foot	.....	540	.....
92.	For 8-inch gas pipe, per lineal foot	.....	350	.....
94.	For 12-inch gas pipe, per lineal foot	.....	100	.....
96.	For 20-inch gas pipe, per lineal foot	.....	120	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipes—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	12	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	3	.....
	Air Pipes—Items 121 to 124.			
	For air pipe in place, as follows:			
121.	For 6-inch air pipe, per lineal foot	.....	150	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a).			
127.	For electric ducts and conduits in place, as provided in Section 71a of the specifications, per duct foot	.....	19,000	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of three hundred thousand dollars ($300,000) in the form hereto annexed with the following named Sureties, viz.:

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No.....on the.....floor of the building No.....in the Borough of .....in the City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without

†Included in Railroad construction under section 424 of the specifications.

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of the City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.: ....

.....being duly sworn, says: I am*.....

the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910.

ROUTE 5, SECTION 11, 93RD STREET TO 106TH STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 11.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned†.....

..... do.. hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with the City of New York for the construction of Section 11 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1..	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	52,100	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	22,700	.....
2-a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard.....	.....	3,600	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	81,300	.....
3-a.	For rock excavation, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	1,900	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot.....	.....	2,300	.....
	(b) For buildings from seven to twelve stories in height, per front foot.....	.....	.....	.....
	(c) For buildings over twelve stories in height, per front foot.....	.....	.....	.....
5.	For tunnel excavation, including disposal of material, timbering, etc., per cubic yard	.....	82,900	.....
6.	For concrete masonry, in place, per cubic yard	.....	39,170	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard	.....	2.060	.....
8.	For rubble stone masonry in place, per cubic yard	.....	2,270	.....
9.	For brick masonry, in place, per cubic yard	.....	1,880	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard.....	.....	1,340	.....
11.	For grout of Portland cement, per barrel of Portland cement used.....	.....	2,500	.....
12.	For timber piles, in place, and prepared, per lineal foot.....	.....	1,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M.....	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	1,760	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard.....	.....	17,850	.....
	(b) For 2-ply, per square yard.....	.....	100	.....
	(c) For 3-ply, per square yard.....	.....	8,800	.....
	(d) For 4-ply, per square yard.....	.....	100	.....
	(e) For 5-ply, per square yard.....	.....	100	.....
	(f) For 6-ply, per square yard.....	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard.....	.....	2,500	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	2,340	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	2,200	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	100	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	8,730	.....
18.	For tunnel ducts, in place, as required by Section 305 of the specifications, per duct foot	.....	409,480	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds.....	.....	1,480	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds.....	.....	2,480	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds.....	.....	300	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	7	.....
26.	For wire mesh, in place, per pound.....	.....	6,640	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	6,960	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot..	.....	5,535	.....
29.	For vault lights, in place, per square foot	.....	4,420	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard.....	.....	5,570	.....
	(b) For temporary repavement and maintenance of roadways, per square yard..	.....	9,470	.....
32.	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths-inch (¾-inch) wrought-iron, per lineal foot.....	.....	15,260	.....
	(b) For one and one-half-inch (1½-inch) wrought-iron, per lineal foot.....	.....	373	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	187	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	2,160	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	587	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	250	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	1,405	.....
42.	For cast-iron sewer pipe (straight pipe) in place in the work, per ton of two thousand pounds	.....	51	.....
	Egg-shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches, per lineal foot	.....	*975	.....
46.	For 3 feet 9 inches by 2 feet 6 inches, per lineal foot	.....	*308	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track.....	.....	3,560	.....
	(b) For horse railroads, per lineal foot of single track	.....	†40	.....
	PIPES IN STREETS—ITEMS 77 *to* 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot....	.....	100	.....
79.	For 6-inch water pipe, per lineal foot....	.....	580	.....
82.	For 12-inch water pipe, per lineal foot....	.....	660	.....
88.	For 48-inch water pipe, per lineal foot....	.....	170	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot.....	.....	100	.....
91.	For 6-inch gas pipe, per lineal foot.....	.....	1,260	.....
92.	For 8-inch gas pipe, per lineal foot.....	.....	930	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			.....
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds.....	.....	29	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds.....	.....	7	.....

*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."

†The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

*Balance remaining after deducting portion of sewer included in Railroad construction under section 424 of the specifications.

†Yard supply tracks for elevated railroad.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a).			
127.	For electric ducts and conduits in place, as provided in Section 71a of the specifications, per duct foot.....	.....	38,000	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of three hundred thousand dollars ($300,000) in the form hereto annexed with the following named Sureties, viz.:

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No.....on the.....floor of the building No.....in the Borough of.....in the City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of ten thousand dollars ($10,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in accordance to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.: ..

.....being duly sworn, says: I am†.....

the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910

ROUTE 5, SECTION 12, 106TH STREET TO 118TH STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 12.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors, Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡ .....

..... do..

hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 12 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	126,000	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	93,000	.....
2-a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard.....	.....	11,300	.....
3	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	12,820	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot.....	.....	4,680	.....
	(b) For buildings from seven to twelve stories in height, per front foot.....	.....	.....	.....
	(c) For buildings over twelve stories in height, per front foot.....	.....	.....	.....
6.	For concrete masonry, in place, per cubic yard	.....	42,535	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard	.....	5,480	.....
8.	For rubble stone masonry in place, per cubic yard	.....	874	.....
9.	For brick masonry, in place, per cubic yard	.....	100	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard.....	.....	1,212	.....
12.	For timber piles, in place, and prepared, per lineal foot	.....	1,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M.....	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	3,450	.....
15	For waterproofing treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard.....	.....	37,870	.....
	(b) For 2-ply, per square yard.....	.....	100	.....
	(c) For 3-ply, per square yard.....	.....	5,300	.....
	(d) For 4-ply, per square yard.....	.....	100	.....
	(e) For 5-ply, per square yard.....	.....	100	.....
	(f) For 6-ply, per square yard.....	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic in place, per cubic yard.....	.....	6,053	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	2,634	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	685	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	2,225	.....
18.	For tunnel ducts, in place as required by Section 305 of the specifications, per duct foot	.....	319,490	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds.....	.....	754	.....
20.	For steel beams and shapes with connections painted and erected, per ton of two thousand pounds.....	.....	4,163	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds.....	.....	95	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes; in place, per ton of two thousand pounds..	.....	12	.....
26.	For wire mesh, in place, per pound.....	.....	12,760	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	6,320	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot..	.....	8,440	.....
29.	For vault lights, in place, per square foot	.....	8,900	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard.....	.....	8,230	.....
	(b) For temporary repavement and maintenance of roadways, per square yard..	.....	17,330	.....
32.	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths-inch (¾-inch) wrought-iron, per lineal foot.....	.....	12,455	.....
	(b) For one and one-half-inch (1½-inch) wrought-iron, per lineal foot.....	.....	373	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot.....	.....	187	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	2,160	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	720	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	275	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	2,418	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	830	.....
42.	For cast-iron sewer pipe (straight pipe) in place in the work, per ton of two thousand pounds	.....	568	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of.....; if a corporation, say "the (President or other officer duly authorized) of the.....Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder Amount.
43.	For cast-iron sewer pipe (special casting) in place in the work, per ton of two thousand pounds	.....	130	.....
	Egg-shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches, per lineal foot	.....	1,296	.....
	Additional Sewer Construction—Items 73 and 74.			
73.	For six (6) inch centrifugal pump and motor and appurtenances in place complete, capacity 1,000 gallons per minute against 20-foot head, power 550 volts D. C.	.....	1	.....
74.	For eight (8) inch centrifugal pump and motor and appurtenances in place complete, capacity 1,800 gallons per minute against 20-foot head, power 550 volts D. C.	.....	1	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	6,585	.....
	(b) For horse railroads, per lineal foot of single track	.....	310	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108. Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	440	.....
82.	For 12-inch water pipe, per lineal foot	.....	1,480	.....
84.	For 20-inch water pipe, per lineal foot	.....	190	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
90.	For 4-inch gas pipe, per lineal foot	.....	830	.....
91.	For 6-inch gas pipe, per lineal foot	.....	1,530	.....
92.	For 8-inch gas pipe, per lineal foot	.....	550	.....
95.	For 16-inch gas pipe, per lineal foot	.....	130	.....
96.	For 20-inch gas pipe, per lineal foot	.....	190	.....
97.	For 24-inch gas pipe, per lineal foot	.....	100	.....
99.	For 36-inch gas pipe, per lineal foot	.....	130	.....
	New Cast-iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	40	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	10	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a).			
127.	For electric ducts and conduits in place, as provided in section 71a of the specifications, per duct foot	.....	83,000	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of four hundred thousand dollars ($400,000) in the form hereto annexed with the following named Sureties, viz.:

....
....
....
....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No.....on the.....floor in the building No.....in the Borough of.....in the City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of twelve thousand five hundred dollars ($12,500). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*.

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

.....being duly sworn, says: I am*.....

the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910.

ROUTE 5, SECTION 13, 118TH STREET TO 129TH STREET.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 13.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned†.....
..... do..

hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 13 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	79,320	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	51,360	.....
2-a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	2,400	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	207,460	.....
3-a.	For rock excavation for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	260	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	3,300	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	95	.....
	(c) For buildings over twelve stories in height, per front foot	.....	.....	.....
6.	For concrete masonry, in place, per cubic yard	.....	50,215	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard.	.....	3,570	.....
8.	For rubble stone masonry in place, per cubic yard	.....	1,200	.....
9.	For brick masonry, in place, per cubic yard	.....	100	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	450	.....
12.	For timber piles, in place, and prepared, per lineal foot	.....	1,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M.	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	2,800	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	27,360	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	3,190	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	590	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	4,660	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	1,102	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	3,060	.....

*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."

†The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	(d) For 6-inch vitrified pipe, per lineal foot	.....	200	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	6,790	.....
18.	For tunnel ducts, in place, as required by Section 305 of the specifications, per duct foot	.....	291,770	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	5,585	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	3,905	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	90	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	12	.....
26.	For wire mesh, in place, per pound	.....	21,320	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	6,260	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	5,220	.....
29.	For vault lights, in place, per square foot	.....	3,960	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard	.....	8,940	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	14,730	.....
32.	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths inch (¾-inch) wrought-iron, per lineal foot	.....	4,770	.....
	(b) For one and one-half-inch (1½-inch) wrought-iron, per lineal foot	.....	820	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	410	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	4,320	.....
33.	For cast-iron outlet boxes in place in stations, each	.....	480	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place in stations, per lineal foot	.....	245	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast Iron Pipe—Items 37 to 43.			
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	*514	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	*270	.....
42.	For cast-iron sewer pipe (straight pipe) in place in the work, per ton of two thousand pounds	.....	10	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches, per lineal foot	.....	*677	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
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 vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	5,980	.....
	(b) For horse railroads, per lineal foot of single track	.....	.....	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	1,670	.....
82.	For 12-inch water pipe, per lineal foot	.....	1,420	.....
84.	For 20-inch water pipe, per lineal foot	.....	120	.....
87.	For 36-inch water pipe, per lineal foot	.....	120	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes in place, as follows:			
89.	For 3-inch gas pipe, per lineal foot	.....	170	.....
90.	For 4-inch gas pipe, per lineal foot	.....	860	.....
91.	For 6-inch gas pipe, per lineal foot	.....	3,430	.....
92	For 8-inch gas pipe, per lineal foot	.....	2,370	.....
93.	For 10-inch gas pipe, per lineal foot	.....	230	.....
94.	For 12-inch gas pipe, per lineal foot	.....	120	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	53	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds	.....	13	.....

*Balance remaining after deducting portion of sewer included in Railroad construction and under section 424 of the specifications.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	Air Pipes—Items 121 to 124.			
	For air pipe in place, as follows:			
122.	For 8-inch air pipe, per lineal foot	.....	210	.....
	Mail Tubes—Items 125 and 126.			
125.	For 8-inch mail tube in place, per lineal foot	.....	1,200	.....
126.	For new 8-inch mail tube, delivered on the work, per ton of two thousand pounds	.....	6	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)			
127.	For electric ducts and conduits in place, as provided in Section 71a of the specifications, per duct foot	.....	63,000	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of four hundred thousand dollars ($400,000) in the form hereto annexed with the following named Sureties, viz.:

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No....., on the.....floor of the building No....., in the Borough of....., in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of twelve thousand five hundred dollars ($12,500). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

..... being duly sworn, says: I am†..... the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910.

ROUTE 5, SECTION 14, 129TH STREET TO MOTT AVENUE, TYPE H.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 14.)

Notice.—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of Form of Contract. Copy of Form of Bond.

To the Public Service Commission for the First District:

1. The undersigned‡ .....:.....

..... do ..

hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 14 of Route 5, in accordance with the type of tunnel construction designated "H" and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of.....:..."; if a corporation, say "the (President or other officer duly authorized) of the..... Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A. B. & Co.. composed of A., B., C., D., etc." (giving the names of all partners),

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	TUNNEL TUBES.			
*35.	For tube tunnel under Harlem River as per type "H", per lineal foot of four-track tube complete	.....	1,110	.....
	APPROACHES.			
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	47,970	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	156,650	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	1,565	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	24,480	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	850	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	.....	.....
	(c) For buildings over twelve stories in height, per front foot	.....	.....	.....
6.	For concrete masonry, in place, per cubic yard	.....	38,600	.....
7.	For protective concrete masonry in place outside of waterproofing, per cubic yard	.....	5,140	.....
8.	For rubble stone masonry in place, per cubic yard	.....	1,370	.....
9.	For brick masonry, in place, per cubic yard	.....	100	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	100	.....
†12.	For timber piles, in place, and prepared, per lineal foot	.....	10,000	.....
13.	For timber foundations, placed and fastened, per thousand ft B. M	.....	2M	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	44,830	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	310	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	7,380	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	100	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	100	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	100	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	100	.....
18.	For tunnel ducts, in place, as required by section 305 of the specifications, per duct foot	.....	179,000	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	6,200	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	690	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	550	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	12	.....
26.	For wire mesh, in place, per pound	.....	16,340	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	5,330	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	1,560	.....
29.	For vault lights, in place, per square foot	.....	100	.....
30.	For street surface, restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard	.....	3,500	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	7,095	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast Iron Pipe—Items 37 to 43.			
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	290	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches per lineal foot	.....	‡50	.....
47.	For 4 feet 2 inches by 2 feet 8 inches per lineal foot	.....	†(60)	.....
	Sewers of Special Forms—Items 67 to 72.			
70.	For 7 feet by 12 feet per lineal foot	.....	†(985)	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	1,550	.....
	(b) For horse railroads, per lineal foot of single track	.....	.....	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....
79.	For 6-inch water pipe, per lineal foot	.....	100	.....
82.	For 12-inch water pipe, per lineal foot	.....	100	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds	.....	1	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)			
127.	For electric ducts and conduits in place, as provided in section 71a of the specifications, per duct foot	.....	2,000	.....

*See note under Item 12 of Approaches.

†The price bid for Item 12 to apply also to any piles ordered under section 127 of the specifications...

‡Balance remaining after deducting portions of sewer included in railroad construction under section 424 of the specifications.

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid and at the same time will deliver to the Comptroller of The City of New York pursuant to the terms of the said contract a bond in the sum of five hundred thousand dollars ($500,000) in the form hereto annexed with the following named Sureties, viz.:

.....

.....

.....

.....

.....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room.....on the.....floor of the building No.....in the Borough of.....in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand dollars ($15,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted, and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

.....being duly sworn, says: I am‡.....

the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910.

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†Included in Railroad construction under section 424 of the specifications.

‡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."

ROUTE 5, SECTION 14, 129TH STREET TO MOTT AVENUE, TYPE K.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.

(Route 5, Section 14.)

Notice—Sums of money must be written in words and also in figures, except in schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned* .....
do... hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 14 of Route 5, in accordance with the type of tunnel construction designated "K," and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Type K—Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
	TUNNEL TUBES.			
†36.	For tube tunnel under Harlem River as per type "K," per lineal foot of four-track tube complete	.....	1,080	.....
	APPROACHES.			
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	49,510	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	156,100	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard.....	.....	1,565	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard.....	.....	27,620	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot.....	.....	850	.....
	(b) For buildings from seven to twelve stories in height, per front foot.....	.....	.....	.....
	(c) For buildings over twelve stories in height, per front foot.....	.....	.....	.....
6.	For concrete masonry, in place, per cubic yard	.....	39,000	.....
7.	For protective concrete masonry, in place, outside of waterproofing, per cubic yard	.....	5,130	.....
8.	For rubble stone masonry, in place, per cubic yard	.....	1,370	.....
9.	For brick masonry, in place, per cubic yard	.....	100	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard.....	.....	100	.....
‡12.	For timber piles, in place, and prepared, per lineal foot.....	.....	10,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M.....	.....	2M	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard.....	.....	45,000	.....
	(b) For 2-ply, per square yard.....	.....	100	.....
	(c) For 3-ply, per square yard.....	.....	300	.....
	(d) For 4-ply, per square yard.....	.....	100	.....
	(e) For 5-ply, per square yard.....	.....	100	.....
	(f) For 6-ply, per square yard.....	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard.....	.....	7,420	.....
17.	For vitrified or cast-iron drain pipe, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	100	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	100	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	100	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	100	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	100	.....
18.	For tunnel ducts, in place, as required by section 305 of the specifications, per duct foot	.....	180,420	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds.....	.....	6,620	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	580	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds.....	.....	550	.....
25.	For miscellaneous iron castings other than tunnel lining, such as manhole heads and covers, gratings, etc.; but not including castings for sewer work or pipes; in place, per ton of two thousand pounds..	.....	12	.....
26.	For wire mesh, in place, per pound.....	.....	17,380	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	5,460	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot..	.....	1,560	.....
29.	For vault lights, in place, per square foot..	.....	100	.....
30.	For street surface restored:			
	(a) Sidewalks including curbs and all structures and growths therein and thereon, per square yard.....	.....	3,500	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	7,355	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-Iron Pipe—Items 37 to 43.			
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	290	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches, per lineal foot	.....	*50	.....
47.	For 4 feet 2 inches by 2 feet 8 inches, per lineal foot	.....	†(60)	.....
	Sewers of Special Forms—Items 67 to 72.			
70.	For 7 feet by 12 feet, per lineal foot.....	.....	†(985)	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track.....	.....	1,550	.....
	(b) For horse railroads, per lineal foot of single track	.....	.....	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called for by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes, in place, as follows:			
78.	For 4-inch water pipe, per lineal foot.....	.....	100	.....
79.	For 6-inch water pipe, per lineal foot.....	.....	100	.....
82.	For 12-inch water pipe, per lineal foot....	.....	100	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of 2,000 pounds	.....	1	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets.			
	(Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75a.)			
127.	For electric ducts and conduits in place, as provided in Section 71a of the specifications, per duct foot.....	.....	2,000	.....

*The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A., B. & Co., composed of A. B., C. D., etc." (giving the names of all the partners).

†See note under Item 12 of Approaches.

‡The price bid for Item 12 to apply also to any piles ordered under section 127 of the specifications.

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid, and at the same time will deliver to the Comptroller of The City of New York, pursuant to the terms of the said contract, a bond in the sum of five hundred thousand dollars ($500,000) in the form hereto annexed with the following named Sureties, viz.:

....
....
....
....
....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room.....on the.....floor of the building.....in the Borough of.....in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand dollars ($15,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted, and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the said sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this Proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate

*Balance remaining after deducting portion of sewer included in Railroad construction under section 424 of the specifications.

†Included in Railroad construction under section 424 of the specifications.

as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This Proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification

State of New York, City and County of New York, ss.:

..... being duly sworn, says: I am†.....

the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910.

ROUTE 5, SECTION 15, MOTT AVENUE TO 157TH STREET AND TO ALEXANDER AVENUE.

Contractor's Proposal for the Construction of a Portion of a Rapid Transit Railroad.
(Route 5, Section 15.)

Notice—Sums of money must be written in words and also in figures, except in the schedules. There must remain annexed hereto: Copy of Invitation to Contractors. Copy of form of contract. Copy of form of bond.

To the Public Service Commission for the First District:

1. The undersigned‡.....

do... hereby, in pursuance of the Invitation to Contractors, a copy of which is attached hereto, propose according to the terms thereof to enter into a contract in the form annexed hereto with The City of New York for the construction of Section 15 of Route 5, and to furnish all necessary labor, materials, machinery, tools, apparatus and other means of construction and perform all the work mentioned in the said contract at the unit prices for the several items as given in the following Schedule of Unit Prices, or as otherwise provided in the form of contract. It is understood that the quantities of various items specified in the following schedule are given as a basis for the uniform comparison of bids, and are not in any way guaranteed or represented as correct or intended to be relied on, and they shall not be taken as final, and shall form no basis for any claim in case they do not correspond with the final measurements or quantities. It is further understood that the Commission reserves the right to increase or diminish or to omit entirely any of the quantities of items as therein stated:

Schedule of Unit Prices.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
1.	For earth excavation, above mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	106,630	.....
2.	For earth excavation, below mean high water (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	71,900	.....
2a.	For earth excavation, both above and below mean high water, for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	16,900	.....
3.	For rock excavation (except excavation for sewers and pipes), including the disposal of it, etc., per cubic yard	.....	265,000	.....
3a.	For rock excavation for sewers and pipes, including the disposal of it, etc., per cubic yard	.....	900	.....
4.	For underpinning buildings, including all incidental work and material, per lineal front foot of building underpinned as follows:			
	(a) For buildings less than seven stories in height, per front foot	.....	1,200	.....
	(b) For buildings from seven to twelve stories in height, per front foot	.....	.....	.....
	(c) For buildings over twelve stories in height, per front foot	.....	.....	.....
5.	For tunnel excavation, including disposal of material, timbering, etc., per cubic yard	.....	10,460	.....
6.	For concrete masonry, in place, per cubic yard	.....	78,000	.....
7.	For protective concrete masonry, in place, outside of waterproofing, per cubic yard	.....	5,060	.....
8.	For rubble stone masonry, in place, per cubic yard	.....	360	.....
9.	For brick masonry, in place, per cubic yard	.....	100	.....
10.	For hollow terra cotta brick masonry, in place, per cubic yard	.....	3,200	.....
11.	For grout of Portland cement, per barrel of Portland cement used	.....	500	.....
12.	For timber piles, in place, and prepared, per lineal foot	.....	1,000	.....
13.	For timber foundations, placed and fastened, per thousand feet B. M.	.....	2M	.....
14.	For broken stone or gravel, in place, other than that used in concrete, per cubic yard	.....	5,400	.....
15.	For waterproofing, treated woven fabric, laid with pitch or asphaltum, in place, as follows:			
	(a) For 1-ply, per square yard	.....	374,000	.....
	(b) For 2-ply, per square yard	.....	100	.....
	(c) For 3-ply, per square yard	.....	8,150	.....
	(d) For 4-ply, per square yard	.....	100	.....
	(e) For 5-ply, per square yard	.....	100	.....
	(f) For 6-ply, per square yard	.....	100	.....
16.	For waterproofing, brick laid in asphalt mastic, in place, per cubic yard	.....	6,100	.....
17.	For vitrified or cast-iron drain pipes, in place, as follows:			
	(a) For 12-inch vitrified pipe, per lineal foot	.....	210	.....
	(b) For 10-inch vitrified pipe, per lineal foot	.....	100	.....
	(c) For 8-inch vitrified pipe, per lineal foot	.....	7,060	.....
	(d) For 6-inch vitrified pipe, per lineal foot	.....	100	.....
	(e) For 4-inch vitrified pipe, per lineal foot	.....	100	.....
	(f) For 8-inch cast-iron pipe, per lineal foot	.....	.....	.....
	(g) For 6-inch cast-iron pipe, per lineal foot	.....	100	.....
	(h) For 4-inch cast-iron pipe, per lineal foot	.....	12,400	.....
18.	For tunnel ducts, in place, as required by section 305 of the specifications, per duct foot	.....	568,000	.....
19.	For riveted steel, painted and erected, per ton of two thousand pounds	.....	5,060	.....
20.	For steel beams and shapes with connections, painted and erected, per ton of two thousand pounds	.....	3,130	.....
21.	For steel rods and bars built in concrete, per ton of two thousand pounds	.....	2,050	.....
25.	For miscellaneous iron castings, other than tunnel lining, such as manhole heads and covers, gratings, etc., but not including castings for sewer work or pipes; in place, per ton of two thousand pounds	.....	32	.....
26.	For wire mesh, in place, per pound	.....	25,660	.....
27.	For one and one-half-inch (1½-inch) galvanized iron pipe hand rail, in place, including expansion bolts, etc., per lineal foot	.....	11,440	.....
28.	For steel gratings for ventilation, in place, including frames, etc., per square foot	.....	8,130	.....
29.	For vault lights, in place, per square foot	.....	8,700	.....
30.	For street surface restored:			
	(a) Sidewalks, including curbs and all structures and growths therein and thereon, per square yard	.....	11,800	.....
	(b) For temporary repavement and maintenance of roadways, per square yard	.....	28,800	.....
31.	For park surface restored (all classes), per square yard	.....	3,180	.....
32.	For wrought-iron or fibre electric conduits, in place, in stations, as follows:			
	(a) For three-fourths-inch (¾-inch) wrought-iron, per lineal foot	.....	25,000	.....
	(b) For one and one-half-inch (1½-inch) wrought-iron, per lineal foot	.....	650	.....
	(c) For two-inch (2-inch) wrought-iron, per lineal foot	.....	325	.....
	(d) For two-inch (2-inch) fibre, per lineal foot	.....	4,320	.....
33.	For cast-iron outlet boxes, in place, in stations, each	.....	820	.....
34.	For six-inch (6-inch) cast-iron pipe and fittings, including specials ("extra heavy"), in place, in stations, per lineal foot	.....	200	.....
	SEWERS—ITEMS 37 TO 74.			
	Vitrified and Cast-Iron Pipe—Items 37 to 43.			
37.	For 12-inch vitrified pipe sewer, per lineal foot	.....	2,900	.....
38.	For 15-inch vitrified pipe sewer, per lineal foot	.....	*2,564	.....
39.	For 18-inch vitrified pipe sewer, per lineal foot	.....	†(1,132)	.....
40.	For 20-inch vitrified pipe sewer, per lineal foot	.....	†400	.....
41.	For 24-inch vitrified pipe sewer, per lineal foot	.....	*102	.....
42.	For cast-iron sewer pipe (straight pipe), in place, in the work, per ton of two thousand pounds	.....	30	.....
	Egg-Shaped Brick or Concrete Sewers—Items 44 to 51.			
45.	For 3 feet 6 inches by 2 feet 4 inches, per lineal foot	.....	960	.....
	Circular Sewers—Brick or Concrete or Reinforced Concrete—Items 52 to 66.			
56.	For 5 feet, per lineal foot	.....	430	.....
	Sewers of Special Forms—Items 67 to 72.			
70.	For 7 feet by 12 feet, per lineal foot	.....	320	.....
	SURFACE AND SUBSURFACE STRUCTURES—ITEMS 75 AND 76.			
75.	For street surface railroads, including the support, reconstruction, rebuilding, etc., where necessary (but not including permanent masonry supports, if required and added, and not including additional vaults, if required and constructed in excess of the number existing), as follows:			
	(a) For electric railroads, per lineal foot of single track	.....	4,730	.....
	(b) For horse railroads, per lineal foot of single track	.....	.....	.....
76.	For the temporary and permanent support and maintenance of elevated railroad structures, and all work incidental thereto, per column	.....	8	.....
	PIPES IN STREETS—ITEMS 77 TO 126.			
	For Work and Material as Called For by Section 71 of the Specifications.			
	Water and Gas Pipes—Items 77 to 108.			
	Water Pipes—Items 77 to 88.			
	For water pipes, in place, as follows:			
78.	For 4-inch water pipe, per lineal foot	.....	100	.....

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, a member of the firm of....."; if a corporation, say, "the (President or other officer duly authorized) of the..... .....Company."

‡The bidder's name must be inserted here. If the bid is submitted by a corporation, the full legal title must be given here and a certified copy of the certificate of incorporation must be submitted, together with an affidavit showing the amount of stock paid in in cash and the names and addresses of the directors and principal officers. If the bid is submitted by a firm, the above blank must be filled up in the following form, "the firm of A., B. & Co., composed of A., B., C., D., etc." (giving the names of all the partners).

*Balance remaining after deducting portion of sewer included in Railroad construction under section 424 of the specifications.

†Included in Railroad construction under section 424 of the specifications.

Item.	Classification.	Unit Price.	Estimated Approximate Quantities.	This Column not to be Used by Bidder. Amount.
79.	For 6-inch water pipe, per lineal foot.....	.....	1,550	.....
82.	For 12-inch water pipe, per lineal foot....	.....	1,350	.....
	Gas Pipes—Items 89 to 99.			
	For gas pipes, in place, as follows:			
91.	For 6-inch gas pipe, per lineal foot.....	.....	210	.....
92.	For 8-inch gas pipe, per lineal foot.....	.....	1,300	.....
94.	For 12-inch gas pipe, per lineal foot.....	.....	180	.....
95.	For 16-inch gas pipe, per lineal foot.....	.....	540	.....
96.	For 20-inch gas pipe, per lineal foot.....	.....	540	.....
97.	For 24-inch gas pipe, per lineal foot.....	.....	760	.....
	New Cast-Iron Hub and Spigot Water and Gas Pipe—Items 100 and 101.			
100.	For new cast-iron hub and spigot straight pipe delivered on the work, per ton of two thousand pounds.....	.....	60	.....
101.	For new cast-iron hub and spigot pipe, special castings, delivered on the work, per ton of two thousand pounds.....	.....	15	.....
	DUCTS IN STREETS.			
	Electric Ducts and Conduits in Streets. (Other than tunnel ducts and street railroad ducts which are provided for in Items 18 and 75-a.)			
127.	For electric ducts and conduits, in place, as provided in section 71a of the specifications, per duct foot.....	.....	1,600	.....

(2) If this proposal is accepted, the undersigned will within ten days after delivery of notice, execute and deliver the contract with the City in the form aforesaid, and at the same time will deliver to the Comptroller of The City of New York, pursuant to the terms of said contract, a bond in the sum of five hundred thousand dollars ($500,000) in the form hereto annexed with the following named Sureties, viz.:

....
....
....
....

(3) The Commission may cause any notice intended for the undersigned to be delivered at Room No....., on the.....floor of the building No.....in the Borough of....., in The City of New York. Such delivery shall be sufficient notice to the undersigned.

(4) At the time of delivering this proposal to the Commission the undersigned will separately deliver a certified check payable to the order of the Comptroller of The City of New York for the sum of fifteen thousand dollars ($15,000). If the Commission shall notify the undersigned that this Contractor's Proposal is accepted, and that the proposed contract is consented to by the Board of Estimate and Apportionment, then if the undersigned shall fail within ten days thereafter or within such longer period as may be prescribed by the Commission to procure the above described bond to be duly executed and delivered; or if the undersigned shall fail to procure the contract to be duly executed and delivered as aforesaid, then the Invitation to Contractors and this Contractor's Proposal shall constitute a contract binding the undersigned to pay to the City the damages by it sustained by reason of such failure of the undersigned, as provided in said Invitation to Contractors. And the undersigned hereby assigns to the City the sum so specially deposited by the delivery of such certified check, subject only to the condition that if this Proposal shall not be accepted, or, if it shall be accepted and the undersigned shall within ten days after notice as aforesaid or any longer period prescribed by the Commission, execute the said contract and procure the said bond to be duly executed and delivered, then the amount of the said check so specially deposited shall be returned to the undersigned.

(5) A notice of acceptance of this proposal by the Commission addressed to the undersigned as aforesaid shall forthwith, at the option of the Commission, operate as against the undersigned as a complete making of a contract according to the form thereof as aforesaid, with the blanks therein contained filled in according to this Proposal.

(6) There are no persons interested with the undersigned in this Proposal, except*

(7) This proposal is made without any connection with any other person making a proposal or bid for the same purpose, and is in all respects fair and without collusion or fraud. No member of the Board of Aldermen, head of department, chief of bureau, deputy thereof or clerk therein, or other officer of The City of New York, or any member or employee of the Public Service Commission for the First District is interested directly or indirectly, as contracting party, partner, stockholder, or otherwise in, or in the performance of, the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof.

Dated the....., 1910.

Affidavit of Verification.

State of New York, City and County of New York, ss.:

.....being duly sworn, says: I am†..... the proposing Contractor above named. I have read the foregoing proposal. The same is in all respects true.

Sworn to before me this.....day of....., 1910.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—Under date of August 1, 1911, the Public Service Commission of the First District transmitted to the Board of Estimate and Apportionment for its consent the contract for the construction of Section 12, Route 5, being that portion of the Lexington avenue route extending under Lexington avenue from E. 106th street to E. 118th street, Manhattan. Attached to the contract was a communication duly signed, sealed and attested, requesting the Board of Esimate and Apportionment to consent to the award of contract therewith transmitted, to prescribe a limit to the amount of bonds available to meet the requirements of the contract, and also to direct the Comptroller to issue bonds to the extent of the amount named. The aggregate amount required for this contract is $2,825,740.74, and the low bidder is the Oscar Daniels Company.

From the review I have had made, the conditions to be exacted on the execution of the work vary in no essential particular from those previously enumerated in my report concerning the five contracts authorized by the Board on July 21, 1911. The depth of cutting will be decreased 22 inches and about 18 inches less width of excavation will be required. These items of change are not sufficient in the estimation of the Public Service Commission to affect the unit prices bid for a construction so slightly deeper and wider.

The other questions, besides that of the unit prices above considered concern (1) the possibility of action by the contractor for prospective profit on the work predetermined to be excised, as against those small changes which may be determined upon after work is begun, and (2) the likelihood of these bid prices containing charges for the contractor's protection against the operations of the "Workman's Compensation Law," which has been declared unconstitutional.

Changes to be determined upon after the work begins are covered in a general waiver, so there is no necessity for an express waiver. With respect to an express waiver against claims for prospective profits for the work originally anticipated and now not to be required because of decrease in section proposed, I am of the opinion that this formality is necessary and should be required by the Board of Estimate and Apportionment.

With respect to the Workmen's Compensation Law, it appears likely that a substitute will be passed during the execution of the work, which will be proof against attack, in which case the City would be fortified against any legal claims for relief such as might follow had prices been set without such provision having been made.

I recommend that the Board of Estimate and Apportionment consent to the award of contract for Section 12, Route 5, and that it authorize corporate stock to the amount of $2,825,740.74 to meet the requirements of said contract.

Attached is a resolution which prescribes a limit to the amount of bonds available for the contract, authorizes the necessary corporate stock and gives the consent of this Board conditional upon a waiver from the contractor to guarantee the City against law suits on account of prospective profits on quantities of work eliminated by the reduction of the cross section of the subway.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 37 of the Rapid Transit Act, being chapter 4 of the Laws of 1891, as amended, and the provisions of section 45 of the Greater New York Charter, and the requisition of the Public Service Commission for the First District, duly made by said Commission August 1, 1911, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between the Oscar Daniels Company and The City of New York, acting by the Public Service Commission for the First District, for the following purposes:

For the construction, in the Borough of Manhattan, of section 12, of route 5, known as the Lexington Avenue Route, being a four-track underground railroad, the centre line of which shall begin at a point about 70 feet south of the centre line of 106th street, thence under Lexington avenue to a point about 115 feet south of the centre line of 118th street, with stations at East 110th, 111th and 116th streets, at a cost not to exceed two million eight hundred twenty-five thousand seven hundred forty dollars and seventy-four cents ($2,825,740.74), and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of the proceeds of corporate stock available for the said purposes shall be two million eight hundred twenty-five thousand seven hundred forty dollars and seventy-four cents ($2,825,740.74); and be it further

Resolved, That the Comptroller be and he is hereby authorized and directed to issue corporate stock of The City of New York to the amount of two million eight hundred twenty-five thousand seven hundred forty dollars and seventy-four cents ($2,825,740.74), 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 issued for the purposes mentioned in the communication of the Public Service Commission for the First District to this Board, dated August 1, 1911, provided, however, that this resolution is adopted upon the understanding that before the delivery of the contract the Public Service Commission will obtain, in proper form, a consent by the said contractor to the reduction in the size of the cross section and a waiver of all claims whether for prospective profits or otherwise therefor; said consent and waiver, however, not to affect the right of the City, acting by the said Commission, to make such further changes as it may deem necessary under the provisions of the contract in respect of changes in plans.

Which was adopted by the following vote:

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

Present and Not Voting—His Honor the Mayor—3.

The following matters, not upon the Calendar for this day, were considered by unanimous consent:

The Comptroller presented the following resolution of the Board of Aldermen requesting, and report recommending. the issue of $210,000 special revenue bonds (subdivision 8 of section 188 of the Charter), to meet a deficit in Budget allowance for the year 1911, in the Division of Sweeping, and of Carting and Stable, Boroughs of Manhattan, Brooklyn and The Bronx, Department of Street Cleaning, also recommending the approval of Schedule for Wages, Temporary Employees, Special Revenue Bond Force, for said Divisions:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of two hundred and ten thousand dollars ($210,000), the proceeds whereof to be used by the Department of Street Cleaning for the purpose of meeting deficit in Budget allowance for the year 1911, as follows:

Borough.	Division of Sweeping.	Division of Carting and Stable.
Manhattan	$25,000 00	$111,089 11
Brooklyn	.....	54,022 42
The Bronx	.....	19,888 47
	$25,000 00	$185,000 00

Adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—In reference to the resolution adopted by the Board of Aldermen on July 25, 1911, requesting an issue of special revenue bonds to an amount of $210,000, the proceeds whereof to be used by the Department of Street Cleaning for the purpose of meeting a deficit in Budget allowance for the year 1911, I report as follows:

The Commissioner states that there is a deficit in the appropriation allowed the Department for the year 1911, in the accounts of Sweeping, Carting and Stable, in the Borough of Manhattan, Brooklyn and The Bronx, due to the fact that the amount requested in his estimates was reduced:

He submits the following statement of the allowances made for these accounts for the year 1910, as compared with the allowance made for the year 1911, showing a decrease of $278,510.50:

	Appropriation 1910.	Allowed for 1911.	Allowed for 1911 Under 1910.
Manhattan—			
Division of Sweeping	$1,751,472 00	$1,679,872 00	$71,600 00
Carting and Stables	926,647 20	838,209 90	88,437 30
	$2,678,119 20	$2,518,081 90	$160,037 30
Brooklyn—			
Division of Sweeping	$924,130 00	$911,623 00	$12,498 00
Carting and Stable	678,744 40	601,213 20	77,531 20
	$1,602,874 40	$1,512,845 20	$90,029 20
The Bronx—			
Division of Sweeping	$233,152 00	$255,632 00	$20,020 00
*Revenue Bonds	24,791 66	.....	.....
	$257,943 66	.....	.....

*These bonds, amounting to the sum of $49,271.83, were allowed for the last seven months of 1910 only. If they were allowed for the year the amount would be $84,466, or for Division of Sweeping, $42,500; and Carting and Stable, $41,966.

*Here insert the names and addresses of all persons interested with the bidder. If there are no such persons strike out the word "except."

†If the bidder is an individual, do not fill this blank; if the bidder is a firm, here say, "a member of the firm of....."; if a corporation, say, "the (President or other officer duly authorized) of the..... .....Company."

	Appropriation 1910.	Allowed for 1911.	Allowed for 1911 Under 1910.
Carting and Stable	$135,830 80	$169,372 00	$8,424 00
*Revenue Bonds	24,480 17	.....	.....
	$160,310 97	.....	$28,444 00
	$418,254 63	$425,004 00	$278,510 50

*These bonds, amounting to the sum of $49,271.83, were allowed for the last seven months of 1910 only. If they were allowed for the year the amount would be $84,466, or for Division of Sweeping, $42,500; and Carting and Stable, $41,966.

There is a difference of $35,692.71 between the apparent deficit and the amount requested; this is due to the fact that the figures are based on the June 22 payroll. In the fall and winter months it will be necessary to employ a much larger force of Drivers and Sweepers, and the difference is to provide for their wages.

In view of these facts, and the further fact that including the present request for $210,000 the allowance is still lower than that made for the year 1910, I recommend the adoption of the attached resolutions concurring in the resolution of the Board of Aldermen to the full amount requested, and providing a schedule for wages paid from other than Budget appropriations. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 25, 1911, and approval by the Mayor on August 2, 1911, requesting an issue of special revenue bonds in the sum of two hundred and ten thousand dollars ($210,000), the proceeds whereof to be used by the Department of Street Cleaning for the purpose of meeting deficit in Budget allowance for the year 1911, as follows:

Borough.	Division of Sweeping.	Division of Carting and Stable.
Manhattan	$25,000 00	$111,089 11
Brooklyn	.....	54,022 42
The Bronx	.....	19,888 47
	$25,000 00	$185,000 00

—be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and for the purpose of providing means therefor, the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York to an amount not exceeding two hundred and ten thousand dollars ($210,000), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of schedules for wages paid from other than Budget funds in the Department of Street Cleaning for the year 1911, as follows:

Department of Street Cleaning.

Wages, Temporary Employees, Special Revenue Bond Force, Borough of Manhattan—

Division of Sweeping:	
Sweepers, 17 at $780 per annum	**$13,260 00**
Sweepers, at $2 per diem (5,870 days)	**11,740 00**
	$25,000 00
Division of Carting and Stable:	
Drivers, 60 at $800 per annum	**$48,000 00**
Drivers, at $2 per diem (26,044½ days)	**52,089 11**
Hostlers, at $2 per diem (2,000 days)	**4,000 00**
Stablemen, at $2 per diem (3,500 days)	**7,000 00**
	$111,089 11
Borough of Brooklyn—	
Division of Carting and Stable:	
Drivers, at $2 per diem (23,711 days)	**$47,422 42**
Hostlers, at $2 per diem (1,800 days)	**3,600 00**
Stablemen, at $2 per diem (1,500 days)	**3,000 00**
	$54,022 42
Borough of The Bronx—	
Division of Carting and Stable:	
Drivers, at $2 per diem (7,944 days)	**$15,888 47**
Hostlers, at $2 per diem (1,000 days)	**2,000 00**
Stablemen, at $2 per diem (1,000 days)	**2,000 00**
	$19,888 47

Which was adopted by the following vote:

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

—

The Comptroller presented the following resolution of the Board of Aldermen requesting an issue of $1,200 special revenue bonds (subdivision 8 of section 188 of the Charter) for payment of overtime services rendered and to be rendered during the year 1911 by Mechanics in the employ of the Fire Department at the repair shops, Boroughs of Manhattan, The Bronx and Richmond, and Brooklyn and Queens, together with a report recommending the issue of $1,000 special revenue bonds for said purposes, also recommending the approval of a schedule for said fund for Accounts 965 and 1015:

(On July 27, 1911, the resolution of the Board of Aldermen requesting an issue of $1,200 special revenue bonds, as above, was referred to the Comptroller.)

In the Board of Aldermen.

Resolved, That, pursuant to the provisions of subdivision 8 of section 188 of the amended Greater New York Charter, and for the purpose of meeting payments for overtime service rendered and to be rendered during the year 1911 by Mechanics in the employ of the Fire Department of The City of New York at the Repair Shops, Boroughs of Manhattan, The Bronx and Richmond, and Brooklyn and Queens, in the emergency work of repairing wrecked fire apparatus, for which no provision was made in the Budget for 1911, the Board of Aldermen hereby requests the Board of Estimate and Apportionment to authorize the Comptroller to issue special revenue bonds in an amount not to exceed twelve hundred dollars ($1,200), to be apportioned as follows:

General Administration, Manhattan, The Bronx and Richmond—	
Repair Shops:	
965. Wages, Regular Employees	$500 00
Brooklyn and Queens—	
Repair Shops:	
1015. Wages, Regular Employees	700 00
Total	$1,200 00

Adopted by the Board of Aldermen July 11, 1911, three-fourths of all the members voting in favor thereof.

Received from his Honor the Mayor July 25, 1911, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 1, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 11, 1911, the Board of Aldermen adopted a resolution requesting $1,200 in special revenue bonds, the proceeds to be used by the Fire Commissioner in meeting payment for overtime service already rndered and to be rendered in the year 1911, by Mechanics in the employ of the Fire Department, at the repair shops, in all Boroughs. It is stated that this overtime service consists of the emergency work of repairing wrecked fire apparatus, for which no provision was made in the Budget for 1911. In connection therewith I report as follows:

In the communication to the Board of Aldermen the Fire Commissioner states, as follows:

During the year 1910 the outlay for this emergency service at the Repair Shops, Boroughs of Manhattan, The Bronx and Richmond, amounted to $252.53, and compensation was made therefor from accruals, a course which the Department of Finance will no longer sanction. At the Repair Shops, Boroughs of Brooklyn and Queens, there was no overtime work of this nature during the year 1910.

During the present year obligations thus far incurred on this account at the Repair Shops, Boroughs of Manhattan, The Bronx and Richmond, amount to $93.65, and at the Repair Shops in the Boroughs of Brooklyn and Queens to $304.22. As regards the first mentioned amount, it is proper to state that it cannot safely be accepted as a basis for computing the estimated expense for the entire year, as it is exceptionally low.

It is estimated that for the entire year of 1911 the emergency work of this kind required to be performed at the Repair Shops, Boroughs of Manhattan, The Bronx and Richmond will entail an expense of $500, and at the Repair Shops, Boroughs of Brooklyn and Queens, of $700, a total of $1,200.

The obligations incurred for the year 1911, up to July 31, on account of overtime service rendered by Mechanics in making emergency repairs to fire apparatus, Boroughs of Manhattan, The Bronx and Richmond, amount to $119.31, and at the repair shops in the Boroughs of Brooklyn and Queens to $484.09.

It appears from these figures that the amount requested for the Boroughs of Brooklyn and Queens will be necessary, but the amount requested for the Boroughs of Manhattan, The Bronx and Richmond appears to be excessive, and according to these figures $300 would be a fair allowance for these Boroughs.

I recommend the adoption of the attached resolution approving the request of the Board of Aldermen to the extent of one thousand dollars ($1,000), three hundred dollars ($300) of which for the Boroughs of Manhattan, The Bronx and Richmond, and seven hundred dollars ($700) for the Boroughs of Brooklyn and Queens.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen July 11, 1911, requesting an issue of special revenue bonds in the sum of twelve hundred dollars ($1,200), for the purpose of meeting payments for overtime service rendered, and to be rendered during the year 1911, by Mechanics in the employ of the Fire Department of The City of New York, at the repair shops, Boroughs of Manhattan, The Bronx and Richmond, and Brooklyn and Queens, in the emergency work of wrecked fire apparatus, for which no provision was made in the Budget for 1911, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment to the extent of one thousand dollars ($1,000), three hundred dollars ($300) of which shall be used for the emergency repair work at the repair shops in the Boroughs of Manhattan, The Bronx and Richmond, and the remaining seven hundred dollars ($700) for emergency repair work at the repair shops in the Boroughs of Brooklyn and Queens, and for the purpose of providing means therefor the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter to issue special revenue bonds of The City of New York to an amount not exceeding one thousand dollars ($1,000), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules of salaries paid from other than Budget funds in the office of the Fire Commissioner of The City of New York, for the year 1911, as follows:

Manhattan, The Bronx and Richmond.

General Administration, Repair Shops—	
965. Wages, Regular Employees	$300 00
Brooklyn and Queens.	
General Administration, Repair Shops—	
1015. Wages, Regular Employees	700 00
Total	$1,000 00

Which was adopted by the following vote:

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

—

The Comptroller presented the following resolution of the Board of Aldermen requesting, and report recommending, an issue of $5,000 special revenue bonds (subdivision 8 of section 188 of the Charter), for the purchase of two automobile ambulances for the use of the Department of Public Charities:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of five thousand dollars ($5,000), the proceeds whereof to be used by the Department of Public Charities for the purpose of purchasing two automobile ambulances at $2,500 each.

Adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 1, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Board of Aldermen adopted a resolution requesting your Board to authorize the Comptroller to issue special revenue bonds amounting to $5,000 for the Department of Public Charities. In connection therewith I report:

The Commissioner of the Department states that increased demand caused by excessive heat has resulted in a breaking down of the ambulance service throughout the City. It has been recommended by the Board of Ambulance Service that provisions should be made for an additional automobile ambulance at the Emergency Hospital at the foot of E. 76th street, which has been assigned to the territory on the east side of the Borough from 70th to 110th streets; it is further recommended by the Board of Ambulance Service that further provision be made for the South Brooklyn district by locating an additional ambulance at the Coney Island Hospital at which point there is one ambulance at this time. It is requested by the Commissioner that provision be made whereby the ambulances may be purchased without public letting, but authority to do that must be given by the Board of Aldermen.

I recommend the approval of the request for the revenue bonds, and transmit herewith a resolution providing therefor.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 25, 1911, and approved by the Mayor August 2, 1911, requesting an issue of special revenue bonds in the sum of five thousand dollars ($5,000), to provide means for the purchase

of two automobile ambulances for use by the Department of Public Charities, 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 five thousand dollars ($5,000), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The Comptroller presented the following resolution of the Board of Aldermen requesting, and report recommending, the issue of $750 special revenue bonds (subdivision 8 of section 188 of the Charter) for the payment of services of an Interpreter during the year 1911, employed by the City Magistrates, 2d Division, also recommending approval of a schedule of salaries for said fund:

In the Board of Aldermen.

Resolved, That, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, the Board of Estimate and Apportionment be and it is hereby requested to authorize the Comptroller to issue special revenue bonds to the amount of seven hundred and fifty dollars ($750), the proceeds whereof to be used by the City Magistrates, Second Division, for the purpose of paying for the services of an Interpreter during the year 1911.

Adopted by the Board of Aldermen July 25, 1911, three-fourths of all the members voting in favor thereof.

Approved by the Mayor August 2, 1911. P. J. SCULLY, Clerk.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Board of Aldermen, by resolution, requested the Board of Estimate and Apportionment to authorize the Comptroller to issue special revenue bonds, in pursuance of the provisions of subdivision 8 of section 188 of the Greater New York Charter, to the amount of $750, the proceeds to be used by the City Magistrates, Second Division, for the purpose of paying for the services of an Interpreter during the year 1911.

In connection therewith, I report as follows:

On August 18, 1910, the grade of position of Interpreter was established, at $1,500 per annum, for two incumbents. The positions are unfilled in the 1911 Budget. The attached resolution, if adopted, will grant the request.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on July 25, 1911, and approved by the Mayor August 2, 1911, requesting an issue of special revenue bonds in the sum of seven hundred and fifty dollars ($750), the proceeds whereof to be used by the City Magistrates, Second Division, for the purpose of paying for the services of an Interpreter during the year 1911, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and to provide 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 seven hundred and fifty dollars ($750), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of a schedule of salaries, paid from other than Budget funds, in the City Magistrates' Court, Second Division, for the year 1911, to be effective as of July 1, 1911, as follows:

City Magistrates' Court, Second Division, Special Revenue Bond Force—
Salaries, Regular Employees:
Interpreter, 1 at $1,500.

Which was adopted by the following vote:

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

The Comptroller presented the following communication from the Department of Parks, Boroughs of Manhattan and Richmond, requesting, and report recommending, the modification of Salaries and Wages Schedules 1057, 1087, 1058 and 1061, supporting the appropriation made in the Budget for the year 1911, for said Department; providing for a decrease from $3,000 to $1,200 per annum of a Director of Menagerie; an increase from $1,200 to $1,500 per annum for one Keeper of Menagerie and one from $900 to $1,200 per annum; the elimination of positions of Superintendent at $3,000 per annum, and of Meteorologist at $2,500 per annum, involving the transfer of $1,816.66; and returning for filing the request of June 5, 1911, relative to modification of Schedule Accounts 1087 and 1058, which was withdrawn by the Commissioner of Parks:

The City of New York, Department of Parks, Boroughs of Manhattan and Richmond, Arsenal, Central Park, August 2, 1911.

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

Dear Sirs—Under date of June 5, 1911, I transmitted to your Board a modification of the 1911 budgetary lines Nos. 1087 and 1058. I now beg to withdraw said modification and submit the following:

Line 1087, Maintenance, Zoological Department:

Line Item 1—	
Director of Menagerie	$3,000 00
—changed to read:	
Director of Menagerie	1,200 00
—add line item—	
Keeper of Menagerie	1,500 00

This modification leaves an unassigned balance in this account of $300.

In addition it is desired to abolish the position of Meteorologist at $2,500, under Account No. 1057, Commissioner's Office—Salaries. This amount, together with the present existing unassigned balance of $60 in Account No. 1057, it is desired to dispose of as follows:

Transfer to Account No. 1058, Office of Superintendent of Parks—Salaries, the amount of $1,360. This leaves in Account No. 1057 the sum of $1,200, with which it is desired to appoint one Stenographer.

Also it is desired to abolish the position of Superintendent of Supplies and Repairs at $3,000 per annum, under Account No. 1061, Office of the Superintendent of Supplies and Repairs. This amount it is desired to transfer to Account No. 1058, Office of Superintendent of Parks.

The total amount to be transferred to Account No. 1058 by these changes is $4,360, with which it is desired to create the following additional positions:

Clerk, 1 at	$1,200 00
Clerk, 1 at	1,050 00
Clerks, 2 at	900 00

—leaving an unassigned balance of $310 in Account No. 1058.

These additional places require the modification of Account No. 1058—Salaries, Superintendent of Parks, as follows:

Line Item 5—	
Clerks, 2 at	$900 00
—changed to read—	
Clerks, 4 at	900 00

—and the addition of the following line items:

Clerk, 1 at	$1,200 00
Clerk, 1 at	1,050 00

Also, under Account No. 1057, change line item which reads:

Stenographer and Typewriter, 1 at	$1,200 00

—to read.

Stenographers and Typewriters, 2 at	1,200 00

Concisely these changes involve:

1. A reduction in the salary of the Director of the Menagerie from $3,000 to $1,200 per annum.

This decrease is made with the knowledge of the present incumbent who is now experiencing continued ill health and physical incapacity.

2. Increase in salary of Keeper of Menagerie from $1,200 to $1,500.

3. Increase in salary of Keeper of Menagerie from $900 to $1,200.

4. Abolishment of the position of Meteorologist at $2,500 per annum. The functions of this position have been transferred to the U. S. Weather Bureau.

5. Abolishment of position of Superintendent of Supplies and Repairs and transfer of the funds to Superintendent of Parks.

6. The creation of additional clerical and stenographic positions:

Stenographer, 1 at	$1,200 00
Clerk, 1 at	1,200 00
Clerk, 1 at	1,050 00
Clerks, 2 at	900 00

These places are created in accordance with the general scheme of reorganization to promote the efficiency of the Department as planned by the Commissioner of Accounts, to provide:

First—For the elevation of the standard of supervision in the menagerie force.

Second—Increased stenographic help in the office of the Commissioner and Secretary.

Third—Proper clerical help to man a centralized stores ledger and cost accounting system.

Fourth—Clerical help to take the place of Laborers detailed to clerical work in the office of the Superintendent of Parks. Respectfully,

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

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On August 1, 1911, the Commissioner of Parks, Boroughs of Manhattan and Richmond, requested modification of three 1911 schedules for his Department, involving a transfer of $1,816.66, and at the same time he withdrew a previous request made on June 5, 1911. In connection therewith I report as follows:

The request is in Administration, Office of Superintendent of Parks, No. 1058, Salaries, Maintenance, Zoological Department, No. 1087, Wages, Regular Employees, and Office of Superintendent of Supplies and Repairs, No. 1061, Salaries.

In No. 1087 it is proposed to decrease the Director of Menagerie from $3,000 to $1,200 per annum, and increase one Keeper of Menagerie from $1,200 to $1,500, and one from $900 to $1,200 per annum, and to eliminate the position of Superintendent at $3,000 per annum in No. 1061, and the position of Meteorologist at $2,500 in No. 1057.

The saving made by these reductions the Commissioner proposes to use for the appointment of additional help necessary t oproperly administer the office. The proposed additions are as follows:

Clerks, 2 at $900	$1,800 00
Clerk	1,200 00
Clerk, at	1,050 00
Stenographer and Typewriter	1,200 00

The decrease in the compensation of the Director of Menagerie is for the reason that the incumbent is in ill health and unable properly to fill the position.

The proposed increases for Keepers of Menagerie are for William Snyder, appointed January, 1888, who is in charge of the force of Keepers, and Patrick J. Keenan, appointed in 1905, who acts as Assistant.

It is stated that two of the additional Clerks are necessary to take the places of the Laborers detailed as Clerks in the office of the Superintendent. The compensation of these Laborers has been withheld in the Department of Finance for the last six weeks, for the reason that they were not performing the services their titles call for. Two other Clerks are wanted to handle the new cost accounting system being installed.

The following table shows the line item changes in detail:

Account No.	Schedule Line.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
1057.	Stenographer and Typewriter, 1 at $1,200	.....	$1,200 00	.....	$500 00
	Meteorologist	$2,500 00	.....	$1,041 66	.....
	Balance unassigned	60 00	.....	25 00	.....
1058.	Clerks, 2 at $900	.....	1,800 00	.....	750 00
	Clerk, at $1,200	.....	1,200 00	.....	500 00
	Clerk, at $1,050	.....	1,050 00	.....	437 50
	Balance unassigned	.....	310 00	.....	129 16
1061.	Superintendent of Supplies and Repairs	3,000 00	.....	1,250 00	.....
1087.	Director of Menagerie, 1 at $3,000	3,000 00	.....	1,250 00	.....
	Director of Menagerie, at $1,200	.....	1,200 00	.....	500 00
	Keeper of Menagerie, 1 at $1,200	1,200 00	.....	500 00	.....
	Keeper of Menagerie, at $1,500	.....	1,500 00	.....	625 00
	Keeper of Menagerie, 1 at $1,200	.....	1,200 00	.....	500 00
	Balance unassigned	.....	300 00	.....	125 00
		$9,760 00	$9,760 00	$4,066 66	$4,066 66

The Commissioner states that the proposed changes are the result of a carefully thought out plan of reorganization to promote the efficiency of the Department, recommended by the Commissioner of Accounts. I recommend the adoption of the attached resolutions granting the transfers and modifications requested, and return herewith for filing the request of June 5, 1911, withdrawn by the Commissioner.

Respectfully, WM. A. PRENDERGAST Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the following schedules, as revised, for the Department of Parks, Boroughs of Manhattan and Richmond, for the year 1911, as follows:

Parks, Manhattan and Richmond.

Administration, Commissioner's Office—

1057.	Salaries:	
	Chief Bookkeeper	$2,800 00
	Architect	2,500 00
	Clerk	2,250 00
	Purchasing Agent	2,000 00
	Secretary to Commissioner	2,500 00
	Clerks, 2 at $1,800	3,600 00
	Clerks, 2 at $1,500	3,000 00
	Clerk (Bookkeeper)	900 00
	Mechanical Assistant	1,500 00
	Stenographer and Typewriter	1,350 00
	Stenographers and Typewriters, 2 at $1,200	2,400 00
	Stenographer and Typewriter	1,080 00
	Stenographer and Typewriter	900 00
	Clerk	600 00
	Clerks, 2 at $300	600 00
	Telephone Operator	750 00
		$28,730 00

Maintenance, Zoological Department—

1087.	Wages, Regular Employees:	
	Director of Menagerie	$1,200 00
	Keeper of Menagerie	1,500 00
	Keeper of Menagerie	1,200 00
	Keepers of Menagerie, 3 at $1,020	3,060 00
	Keepers of Menagerie, 8 at $900	7,200 00
	Driver	912 50
	Balance unassigned	300 00
		$15,372 50

Office of the Superintendent of Parks—

1058.	Salaries:	
	Superintendent	$4,000 00
	Assistant Superintendent of Parks, 1 at $2,500	2,500 00
	Clerk	2,250 00
	Stenographer and Typewriter	900 00
	Clerks, 4 at $900	3,600 00
	Clerk	1,200 00
	Clerk	1,050 00
	Balance unassigned	310 00
		$15,810 00

Office of Superintendent of Supplies and Repairs—

1061.	Salaries:	
	Clerk (Bookkeeper)	$1,200 00
	Storekeeper	1,200 00
	Clerks, 2 at $900	1,800 00
		$4,200 00

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 237 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves transfers of funds appropriated to the Department of Parks, Boroughs of Manhattan and Richmond, for the year 1911, as follows:

Parks, Manhattan and Richmond.

From

	Administration, Commissioner's Office:	
1057.	Salaries	$566 66
	Office of Superintendent of Supplies and Repairs:	
1061.	Salaries	1,250 00

To

	Office of Superintendent of Parks:	
1058.	Salaries	$1,816 66

Which was adopted by the following vote:

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

The Secretary was directed to return to the Commissioner of Parks, Manhattan and Richmond, his communication dated June 5, 1911, herein referred to.

—

The Secretary presented the following communication from the Acting President of the Borough of Queens requesting, and report of the Comptroller recommending, the modification of Budget Schedules 1875, 1884, for the year 1911, for the Office of the President of the Borough of Queens, providing for the transfer of two Stokers from Account 1875 to 1883, and one Engineer from Account 1883 to 1875, also changing the title of one Cleaner to that of Janitor at an increase from $1,095 to $1,200 per annum, involving the transfer of $228.13, to take effect August 1, 1911:

The City of New York, Office of the President of the Borough of Queens, Long Island City, July 31, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller of The City of New York:*

Dear Sir—Referring to our application of July 20, 1911, for revision of Funds 1875-1883, Bureau of Public Buildings and Offices, and the transfer of $547.50 from Fund 1875 to Fund 1883, now in the hands of the Bureau of Municipal Investigation and Statistics, we beg to amend our application to read as follows:

Present Schedule.

Fund 1875—Maintenance—1911, Wages Regular Employees—		
	Foremen, 2 at $4 per day (365 days)	$2,920 00
	Foreman of Plumbers, at $4 per day (303 days)	1,212 00
	Assistant Foremen, 4 at $3.50 per day (313 days)	4,382 00
	Cleaner, at $70 per month	840 00
	Cleaner, at $65 per month	780 00
	Cleaner, at $3 per day (365 days)	1,095 00
	Cleaners, 17 at $40 per month	8,160 00
	Engineer, at $4.50 per day (365 days)	1,642 50
	Stokers, 4 at $3 per day (365 days)	4,380 00
	Licensed Fireman, at $3 per day (365 days)	1,095 00
	Mechanics' Helpers, 2 at $3 per day (303 days)	1,818 00
	Elevatorman	900 00
	Janitors, 3 at $100 per month	3,600 00
	Janitor, 1 at $87.50 per month	1,050 00
	Janitor, 1 at $75 per month	900 00
	Electrician, 1 at $4.50 per day (277 days)	1,246 50
		$36,021 00

Proposed Schedule.

Fund 1875—Maintenance, 1911—Wages Regular Employees—		
	Foremen, 2 at $4 per day (365 days)	$2,920 00
	Foreman of Plumbers, at $4 per day (303 days)	1,212 00
	Assistant Foremen, 4 at $3.50 per day (313 days)	4,382 00
	Cleaner, at $70 per month	840 00
	Cleaner, at $65 per month	780 00
	Cleaners, 17 at $40 per month	8,160 00
	Engineers, 2 at $4.50 per day (365 days)	3,285 00
	Stokers, 2 at $3 per day (365 days)	2,190 00
	Licensed Fireman, at $3 per day (365 days)	1,095 00
	Mechanics' Helpers, 2 at $3 per day (303 days)	1,818 00
	Janitors, 4 at $100 per month	4,800 00
	Janitor, 1 at $87.50 per month	1,050 00
	Electrician, at $4.50 per day (277 days)	1,246 50
	Elevatorman	900 00
	Unassigned	795 00
		$35,473 50

Present Schedule.

Fund 1883—Interior Bath, 1911—Wages Regular Employees—		
	Engineer, not to exceed $4.50 per day (365 days)	$1,642 50
	Cleaners, 2 at $40 per month	960 00
	Laborers, 2 at $2.50 per day (303 days)	1,515 00
		$4,117 50

Proposed Schedule.

Fund 1883—Interior Bath, 1911—Wages Regular Employees—		
	Stokers, 2 at $3 per day (365 days)	$2,190 00
	Cleaners, 2 at $40 per month	960 00
	Laborers, 2 at $2.50 per day (303 days)	1,515 00
		$4,665 00

This revision is requested by the Superintendent of Public Buildings and Offices to enable him to reorganize his working force for the betterment of the service, by eliminating the following positions:

Fund 1875—
- Cleaner, at $3 per day.
- Stokers, 2 at $3 per day.
- Janitor, $900 per annum.

—and adding thereto the positions of
- Engineer, at $4.50 per day.
- Janitor, at $100 per month.

—by eliminating from

Fund 1883, the position of Engineer at $4.50 per day,

—and adding thereto
- Stokers, 2 at $3 per day,

—which, if approved, will necessitate the transfer of $547.50 from Fund 1875 to Fund 1883. Yours respectfully,

WALTER H. BUNN, Acting President of the Borough of Queens.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 20, 1911, the President of the Borough of Queens requested modification of two schedules, No. 1875 and No. 1883, Wages, Regular Employees, Bureau of Public Buildings and Offices, in his office, for the year 1911, involving a cash transfer of $228.13. On July 31, 1911, the Acting Borough President amended this request.. In connection therewith, I report as follows:

It is proposed to transfer two Stokers from Account No. 1875 to No. 1883, and one Engineer from No. 1883 to No. 1875.

The transfer of the Engineer is to provide for three shifts in the steam plant in the Queens County Court House, there being two employed at present. It is also proposed to change the title of one incumbent from Cleaner to that of Janitor, at an increase in salary from $1,095 to $1,200 per annum.

It is stated that the incumbent has passed a promotion examination for Janitor, and has been in the service twelve years.

One position of Janitor at $900 per annum is to be left vacant, and the decrease in yearly cost, $795, is to make line item, balance unassigned.

The following table shows the changes in detail:

Account No.	Schedule Line.	Schedule Transfer. Decrease.	Schedule Transfer. Increase.	Cash Transfer. Decrease.	Cash Transfer. Increase.
1875.	Cleaner, 1 at $3 per day (365 days)	$1,095 00	.....	$456 25	.....
	Engineer, at $4.50 per day (365 days)	.....	$1,642 50	.....	$684 38
	Stokers, 4 at $3 per day (365 days)	2,190 00	.....	912 50	.....
	Janitors, 3 at $1,200	.....	1,200 00	.....	500 00
	Janitor, 1 at $900	900 00	.....	375 00	.....
	Balance unassigned	.....	795 00	.....	331 25
1883.	Engineer, 1 at $4.50 per day (365 days)	1,642 50	.....	684 38	.....
	Stokers, 2 at $3 per day (365 days)	.....	2,190 00	.....	912 50
		$5,827 50	$5,827 50	$2,428 13	$2,428 13

The attached resolutions if adopted will grant the request. Respectfully,
WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the office of the President of the Borough of Queens, to take effect as of August 1, 1911, as follows:

President, Borough of Queens.

	Bureau of Public Buildings and Offices, Maintenance—	
1875.	Wages, Regular Employees:	
	Foremen, 2 at $4 per day (365 days)	$2,920 00
	Foreman of Plumbers, 1 at $4 per day (303 days)	1,212 00
	Assistant Foreman, 4 at $3.50 per day (313 days)	4,382 00
	Cleaner, 1 at $840	840 00
	Cleaner, 1 at $780	780 00
	Cleaners, 17 at $840	8,160 00
	Engineer, 1 at $4.50 per day (365 days)	1,642 50
	Engineman, 1 at $4.50 per day (365 days)	1,642 50
	Stokers, 2 at $3 per day (365 days)	2,190 00
	Licensed Fireman, 1 at $3 per day (365 days)	1,095 00
	Mechanics' Helpers, 2 at $3 per day (303 days)	1,818 00
	Elevatorman	900 00
	Janitors, 4 at $1,200	4,800 00
	Janitor, at $1,050	1,050 00
	Electrician, 1 at $4.50 per day (277 days)	1,246 50
	Balanced unassigned	795 00
		$35,473 50
	Interior Bath—	
1883.	Wages, Regular Employees:	
	Stokers, 2 at $3 per day (365 days)	$2,190 00
	Cleaners, 2 at $480	960 00
	Laborers, 2 at $2.50 per day (303 days)	1,515 00
		$4,665 00

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 237 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves transfer of funds appropriated to the President of the Borough of Queens for the year 1911, as follows:

From

	Bureau of Public Buildings and Offices, Maintenance—	
1875.	Wages, Regular Employees	$228 13

To

	Bureau of Public Buildings and Offices, Interior Bath—	
1883.	Wages, Regular Employees	$228 13

Which was adopted by the following vote:

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

—

The Comptroller presented the following communication from the President of the Borough of The Bronx requesting, and report recommending, the transfer of $250 from Account 1736 to Account 1735, within appropriation made to office of said Borough President for the year 1911:

City of New York, President of the Borough of The Bronx, 3d Avenue and 177th Street, Office of the President, July 22, 1911.

To the Honorable, the Board of Estimate and Apportionment:

Gentlemen—Request is hereby made for the transfer of the sum of two hundred and fifty dollars ($250) from the appropriation made to this office for the year 1911, entitled:

Code 1736—Apparatus, Machinery, Vehicles, etc. (Bureau of Highways, Engineering Division)—
—the same being in excess of the amount required for the purposes thereof, to the appropriation made for the same year entitled:
Code 1735—General Supplies (Bureau of Highways—Engineering Division)—
—the amount of said appropriation being insufficient.

Respectfully, CYRUS C. MILLER, President, Borough of The Bronx.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 22, 1911, the President of the Borough of The Bronx requested approval of a transfer of funds within appropriations other than salaries or wages for the year 1911. It is the desire of the President to transfer $250 of the funds appropriated for machinery, vehicles, etc., for the Engineering Division of the Bureau of Highways to the appropriation 1735, General Supplies, in the same Bureau, in order to make possible the purchase of some additional engineering apparatus and supplies. It appears that there is an excess above the estimated requirements in the former appropriation.

I recommend the approval of the request as provided in the resolution hereto attached. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 237 of the Greater New York Charter, the Board of Estimate and Apportionment hereby approves of a transfer of funds appropriated to the office of the President of the Borough of The Bronx for the year 1911, as follows:

From

1736. Apparatus, Machinery, Vehicles, etc..... $250 00

To

1735. General Supplies $250 00

Which was adopted by the following vote:

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

The Secretary presented the following communication from the Acting President of the Borough of Richmond requesting, and report of the Comptroller recommending, the modification of Budget Schedule 1892, for the office, President, Borough of Richmond, for the year 1911, changing line, "Rodmen, 2 at $900," to read "Rodmen, 2 at $1,050":

Bureau of Engineering Construction, Borough Hall, New Brighton, New York City, July 27, 1911.

Hon. WILLIAM A. PRENDERGAST, *Comptroller,* 280 Broadway, New York City:

Dear Sir—We note, in the schedule for salaries in the Bureau of Engineering Construction, line 1892, adopted by the Board of Estimate and Apportionment July 27, 1911, that the line, "Rodmen, 2 at $900," should be "Rodmen, 2 at $1,050." A previous schedule was adopted at $1,050 to go into effect when the positions had been established, pursuant to section 56 of the Charter. Rodman, unlimited, at $1,050 per annum was legally established on July 3, 1911, and the two Rodmen referred to in the above schedule were promoted as of that date.

We would ask that this matter be straightened out at the next meeting of the Board, so that the payrolls for this Bureau for the month of July may be passed.

Yours very truly,

THEODOR S. OXHOLM, Acting President of the Borough.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 2, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 27, 1911, your Board approved of a schedule of salaries and wages for the force assigned to the work of Engineering Construction in the office of the President of the Borough of Richmond. The President now requests that the line Rodmen, 2 at $900, be changed so as to read, Rodmen, 2 at $1,050. A previous schedule was adopted by your Board in which it was recommended that the line go into effect when the positions were established as provided by section 56 of the Charter. The position was established for the office of the President for an unlimited number of incumbents on July 3, 1911, and the Rodmen were promoted at the rate.

I recommend the approval of the request and transmit resolution providiing therefor. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the following schedule, as revised, for the office of the President of the Borough of Richmond, for the year 1911, as follows:

President, Borough of Richmond.

Bureau of Engineering (Construction)—

1892. Salaries:	
Engineer, 1 at	$5,000 00
Assistant Engineer, 1 at	3,000 00
Assistant Engineers, 3 at	2,700 00
Assistant Engineers, 3 at	2,400 00
Assistant Engineers, 2 at	2,250 00
Assistant Engineers, 4 at	2,000 00
Assistant Engineers, 2 at	1,800 00
Assistant Engineer, 1 at	1,650 00
Transitmen, 2 at	1,800 00
Transitman, 1 at	1,650 00
Transitman, 1 at	1,350 00
Transitman and Computer, 1 at	1,800 00
Transitmen and Computers, 2 at	1,650 00
Transitman and Computer, 1 at	1,500 00
Leveler, 1 at	1,500 00
Rodmen, 5 at	1,200 00
Rodmen, 2 at	1,050 00
Axemen, 3 at	900 00
Searcher, 1 at	1,200 00
Topographical Draftsmen, 2 at	1,800 00
Topographical Draftsman, 1 at	1,650 00
Topographical Draftsmen, 3 at	1,500 00
Topographical Draftsman, 1 at	1,350 00
Clerk, 1 at	1,650 00
Clerk, 1 at	1,500 00
Stenographer and Typewriter, 1 at	1,500 00
Messenger, 1 at	1,050 00
Auto-Engineman, 1 at	1,050 00
Inspectors of Regulating, Grading and Paving, 8 at	1,200 00
Inspectors of Sewer Construction, 9 at	1,500 00
Wages, Regular Employees:	
Foremen, 8 at	1,050 00
Drivers, 5 at	900 00
Laborers, 18 at	900 00
Laborers, 3 at, per day (302 days)	2 00

Budgetary part allowance, $40,525.

Which was adopted by the following vote:

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

The Comptroller presented the following report recommending the transfer of $9,000 within the appropriations made to the Department of Water Supply, Gas and Electricity for the year 1911:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 3, 1911.

To the Board of Estimate and Apportionment:

Gentlemen—On July 25, 1911, the Commissioner of Water Supply, Gas and Electricity requested transfers aggregating $9,000 within appropriations to his Department for 1911. In connection therewith, I report as follows:

The proposed credit transfers, and the reasons therefor, are as follows:

To No. 456, Departmental Administration, Commissioner's and Central Office, Contingencies, $1,925, required to provide for additional postage stamps. It is stated that the expenditure for postage at present amounts to appromixately $500 a week.

To No. 485, Water Supply, Boroughs of Manhattan and The Bronx, Collection and Storage, Croton and Bronx Systems, Care of Watersheds, Aqueducts, Ponds and Reservoirs, General Supplies, $2,500. Required to replenish this account, which has been exhausted by the purchase of chloride of lime for disinfecting watersheds.

To No. 493, Water Supply, Boroughs of Manhattan and The Bronx, Collection and Storage, Croton and Bronx Systems, Care of Watersheds, Aqueducts, Ponds and Reservoirs, Contingencies, $2,500. Required for carfares of employees. The Budget allowance of $4,500 is already overencumbered to the amount of $62.02, owing to expenditures to clean outhouses at a cost of $3,150.

To No. 542, Water Supply, Boroughs of Manhattan and The Bronx, High Pressure Fire Service, Manhattan, Operation of Stations, Repairs and Replacements by Contract or Open Order, $2,000. Required to provide for repairs to two motors, now out of service, at an estimated cost of $2,670.

To No. 544, Water Supply, Boroughs of Manhattan and The Bronx, High Pressure Fire Service, Operation of Stations, Telephone Service, $75. Required to permit certification of a contract for $11,073.75. The Budget appropriation was $11,000.

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

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves of transfer of funds appropriated to the Department of Water Supply, Gas and Electricity, for the year 1911, as follows:

From

Heat, Light and Power, Boroughs of Manhattan and The Bronx, Bureau of Lamps and Lighting, High Pressure Fire Service—
645. Reservation of machinery and current..... $1,000 00

Heat, Light and Power, Borough of Brooklyn, Bureau of Lamps and Lighting—
665. Lighting Public Buildings..... $5,000 00

Heat, Light and Power, Borough of Richmond, Bureau of Lamps and Lighting—
702. Street and park lighting..... $3,000 00

To

456. Departmental administration, Contingencies..... $1,925 00

Water Supply, Boroughs of Manhattan and The Bronx, Collection and Storage, Croton and Bronx Systems, Care of Watersheds, Aqueducts, Ponds and Reservoirs—
485. General supplies $2,500 00

Water Supply, Boroughs of Manhattan and The Bronx, Collection and Storage, Croton and Bronx Systems, Care of Watersheds, Aqueducts, Ponds and Reservoirs—
493. Contingencies $2,500 00

Water Supply, Boroughs of Manhattan and The Bronx, High Pressure Fire Service, Operation of Stations—
542. Repairs and replacements by contract or open order..... $2,000 00

Water Supply, Boroughs of Manhattan and The Bronx, High Pressure Fire Service, Operation of Stations—
544. Telephone service $75 00

Which was adopted by the following vote:

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

The following resolutions were offered by the Acting President of the Board of Aldermen:

Resolved, That the Board of Estimate and Apportionment hereby authorizes the Comptroller to take final action, during the months of August and September, 1911, 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; such modifications when approved by the Comptroller to have the same force and effect as if approved by the Board of Estimate and Apportionment, and the Comptroller be and hereby is directed to have published in the CITY RECORD all schedules of salaries and wages as revised or modified under the authority herein given; and be it further

Resolved, That all such revisions and modifications of salary and wage schedules by the Comptroller as herein authorized shall be submitted by him 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 Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting Presidents of the Boroughs of Brooklyn and The Bronx, the President of the Borough of Queens and the Acting President of the Borough of Richmond—16.

Pursuant to a motion adopted at the meeting held June 29, 1911, the Board adjourned to meet Thursday, August 31, 1911, at 10.30 o'clock a. m.

JOSEPH HAAG, Secretary.

BELLEVUE AND ALLIED HOSPITALS.

Synopsis of Minutes.

(Received at City Record Office September 12, 1911.)

A meeting of the Board of Trustees of Bellevue and Allied Hospitals was held on Tuesday, June 20, 1911. Present: Dr. Brannan, the President, in the chair; and Messrs. Farley, O'Keeffe, Robbins and Stern, Trustees. Excused: Messrs. Drummond, Paulding and Sachs. Mr. Robbins was appointed Secretary pro tem.

The minutes of the meetings of April 18 and May 2, a copy of which had been sent to each member, were held as read and approved.

Bills amounting to $30,562.12 were presented for approval, and authorized to be forwarded to the Comptroller for payment.

Dr. George O'Hanlon, the Acting General Medical Superintendent, reported as follows:

On June 12, Miss Elizabeth L. Coffee, a Pupil Nurse, was transferred to the Minturn Hospital suffering from scarlet fever.

I beg to report the resignation of Miss Selden, First Assistant Superintendent of Nurses at Fordham Hospital, and to recommend the promotion of Miss Kendall, who had been Second Assistant, and the promotion of Miss Hogan to the position of Second Assistant vacated by the promotion of Miss Kendall. Also, the resignation of Dr. Alwin Pappenheimer, Assistant Pathologist, on account of ill health.

Dr. Walker, a member of the interne staff of Fordham Hospital, who was injured in an accident between an ambulance and a trolley car in January, has returned to the hospital ready to resume his duties. As I understood from Dr. Smith, he was granted a leave of absence until such time as he had recovered. Dr. Walker reports that the Medical Board states there is not a position for him at Fordham Hospital. In view of Dr. Walker having sustained his injuries in the performance of his duties, and his understanding that a leave of absence had been granted, I would recommend that Dr. Walker be permitted to resume his former position on the house staff, or that an additional position be created for him.

In connection with the republication of articles for the medical and surgical report of Bellevue and Allied Hospitals, we made a request of the "Journal of Medical Research" of Boston for the loan of blocks, etc., used in the illustration of Dr. Pappenheimer's article. They reply that a gelatine process was used, and that it was necessary to make new plates for each set of illustrations. An expense of at least $150 would be involved in the reproduction of the plates, and in view of the difficulty that was occasioned in connection with similar expenditures some time ago, I would ask for some suggestion from the Board before incurring this expenditure.

Request has been made by Commissioner Higgins of the Department of Parks for an ambulance to be detailed to Pelham Bay Park on Friday, the 23d instant, on the occasion of an outing or field day of the Washington Irving High School. Three thousand young women are expected to be in attendance on that day. For your information, I would say that on Sunday last a similar detail of an ambulance was made, and the granting of the request was justified by the fact that the surgeon in attendance dressed fourteen cases, for which ambulance calls would have been sent into the hospital, and which it would have been impossible to cover except by the detail having been made.

Some time ago, by resolution of the Board, the reimbursing rate at this hospital was made $1.50 per day, or $10.50 per week. The question has recently arisen whether this was a proper charge for infants. We recently had two children belonging to the same family in the hospital, for whom $1.50 per day was paid. The charge of $10.50 seemed rather exorbitant. I would like to ask whether the Board would care to consider the arrangement of a new or different rate for infants or children under twelve years of age.

I have to report a small fire occurring in the drying closet of Ward B-6, Pavilions A and B, about six o'clock in the evening of June 13. The fire was extinguished with little damage other than to the walls. The cause, as far as can be ascertained, was due to the fact that some clothing had dropped upon the steam coils, which have never been properly protected by wire screens. This condition exists throughout Pavilions A and B, and should be remedied at once by the placing of wire screens or guards over each of these coils in all the drying closets. This again demonstrates the necessity of having a regular fireman on duty at this hospital at all times, and unless a detail can be arranged from the Fire Department, I would recommend that we dispense with the services of Mr. Ross, and that the money thus available be used for the salary of an experienced fireman who might be employed for this purpose. On Sunday last there was a small fire in the chimney in the kitchen of the staff dining room. These chimneys are provided with live steam pipes, and the fire was immediately extinguished by turning on the same.

I desire to report progress in the recommendation I am to make regarding salaries, vacations, etc. I am only prepared to request for approval today of the salaries for Waitresses, Chambermaids, Ward and Kitchen Maids, and Orderlies. I would recommend that Waitresses and Chambermaids, whose duties are interchangeable, receive a minimum salary of $16 per month, increasing to $18 at the end of six months, and again increasing to $20 at the end of one year; Ward and Kitchen Maids' salary, $15 per month, increasing to $17.50 at the end of six months, and increasing to $20 at the end of one year's service. I would recommend for Orderlies a minimum wage of $20 per month, increasing to $22.50 at the end of six months, and to $25 at the end of one year.

Action was taken upon the report as follows:

The transfer of the Pupil Nurse suffering with scarlet fever to the Minturn Hospital was approved.

The resignation of Miss Selden was accepted, and the promotions recommended by the General Medical Superintendent were approved.

It was resolved to accept the resignation of Dr. A. M. Pappenheimer, with regret.

The General Medical Superintendent was directed to request Dr. Walker to resume his duties at Fordham Hospital and to so inform the Medical Board; and it was

Resolved, To authorize the continuation of the service of the substitute who had been temporarily appointed to replace Dr. Walker should this be considered necessary in the interests of the service.

It was resolved to reprint Dr. Pappenheimer's article in the medical and surgical report without the plates which accompanied the original article.

The General Medical Superintendent was authorized to furnish the ambulance requested by the Commissioner of Parks.

It was resolved that the rate of board for children under twelve years of age shall be one dollar per day.

The General Medical Superintendent was directed to take steps at once to provide a guard for the coils in all the drying closets. It was reported that the President had asked that provision be made for this in all new sections of the hospital. The General Medical Superintendent was also directed to take whatever steps are necessary to prevent fires throughout the hospitals, and to report upon any dangerous places which exist in the institutions of the Department.

It was further resolved to direct Mr. Ross, Fire Expert, to appear at the next meeting, the General Medical Superintendent in the interval to familiarize himself with the contract with this Department which is held by Mr. Ross.

It was also resolved, inasmuch as the committee appointed at last meeting had not yet seen the Fire Commissioner, that the President, Mr. Farley, and Mr. O'Keeffe, together with such other members as may be in town, be appointed a committee to consult with Commissioner Johnson and report at next meeting.

The various recommendations of the General Medical Superintendent in regard to salaries of employees were approved.

The General Medical Superintendent presented lists of changes in the help at Bellevue Hospital for the two weeks ending June 3 and 10, and as these had already been reviewed by the Committee on Officers and Employees, they were approved.

Reports of Committees.

Mr. Farley, Chairman of the Building Committee, stated that in accordance with authority granted on April 4 he had appointed Mr. C. E. Knox to report upon the cost of producing electric current at Harlem Hospital at a fee not exceeding $200.

On the recommendation of the Conference Committee, Dr. Edward L. Keyes, Jr., was appointed Visiting Genito-Urinary Surgeon to the Second Division of Bellevue Hospital. A communication was submitted from Dr. William N. Polk, stating that Dr. L. M. Moody, who had been nominated for the place of Assistant Physician to Out-Patients on the Second Division, had stated that he would be unable to do the work after the first of July, and that the Second Division therefore withdrew his nomination.

On the recommendation of the Gouverneur Hospital Conference Committee, appointments were made to that hospital as follows: Dr. Hyman B. Elster, Assistant Physician to Out-Patients; Dr. Louis Lefrak, Assistant Surgeon to Out-Patients; and Dr. Isidor H. Alexander, Assistant Physician to Out-Patients (nose and throat).

The Committee on Supplies reported upon the bids received on May 26 for pathological supplies, and recommended that the lowest bids be accepted in each instance, with the exception of lines 146, 171, 172, 1475, 76, 77, 78, 79, 80, 81, 82, 83, 84, 1608, 1610, and lines 194 to 288, inclusive, and that the bids on these lines be rejected.

These recommendations were approved, and it was resolved, upon the further recommendation of that Committee, to authorize the bids for books to be readvertised on the basis of line numbers instead of as a class bid. The Committee on Supplies further reported that this action in regard to the books disposed of the objections which had been made by G. E. Stechert & Company in their communication referred to the Committee at last meeting.

The President reported that on June 9 he had opened bids for supplies for the remainder of the year. Mr. Paulding, on behalf of the Committee on Supplies, submitted letters dated June 19 and 20, written by the Contract Clerk, summarizing the result of an examination of the bids by that Committee. On motion, duly seconded and carried, this report was approved, and it was resolved to accept the recommendations contained therein, except in regard to the bids for forage, which were rejected in view of the mistake in the wording of the specifications, as shown in a communication received from the Department of Finance under date of June 7. It was further resolved to authorize an advertisement for bids for forage based on corrected specifications.

The President submitted a list of bids received on June 20 for the construction of Pavilions L and M of the new Bellevue Hospital, as follows: John T. Brady Company, $748,840; Luke A. Burke & Sons Company, $759,750; Richard E. Henningham, $789,499; Marble Arch Company. $794,000; A. L. Guidone & Company, $797,900; F. T. Nesbit & Company, Inc., $799,450; John H. Parker Company, $789,985; P. J. Carlin Construction Company, $827,755; P. J. Brennan & Company, $835,000; Libman Contracting Company, $838,687; Charles H. Peckworth, $846,693; George A. Fuller Company, $849,000; New York State Construction Company, $877,200.

In connection therewith a letter was received from the architects, dated June 20, transmitting a copy of a report from the Consulting Engineer calling attention to several paragraphs in the specifications for Pavilions L and M, on which a clear understanding should be had with the contractor before the contract is let.

It was resolved to defer action on these bids until a further report can be obtained from the architects, the same to be considered, if possible, at a special meeting to be held on June 23.

A communication dated June 13 was received from R. F. Almirall, stating that he would be pleased to proceed with the preparation of the drawings and specifications for the wards on the roof of Fordham Hospital on the understanding that in the event of an appropriation being received a formal contract will be prepared. The Secretary reported that on receipt of this letter he had asked Mr. Almirall to proceed with the plans and to confer with the President and the General Medical Superintendent in regard thereto.

Mr. Farley stated that McKim, Mead & White had reported that in order to sustain concrete floors on the balconies of Harlem Hospital it would be necessary to build supporting columns, etc. An estimate was received from the architects under date of June 12 for this work amounting to $4,000. A second estimate showed that solid iron plates could be placed over the present open gratings without the need of supporting columns and at an estimated cost of $1,500. Inasmuch as the appropriation available for the work was only $2,500, and was so worded as to provide solely for the construction of concrete flooring, upon the recommendation of the Building Committee, was resolved to request that the resolution granting the appropriation be amended by omitting the words "for the installation of a floor of concrete construction," so that the resolution may read, "to provide means for the replacement of the present flooring." It was further resolved to request the Board of Estimate and Apportionment to approve the plans and specifications for the laying of solid iron plates as proposed in the second estimate.

Communications dated June 10 and 20 were received from McKim, Mead & White, transmitting estimates received for the construction of twenty-five tree guards and gratings needed to protect the trees in front of the Pathological Building and Pavilions A and B.

It was resolved to request the Board of Estimate and Apportionment to approve these plans and specifications, and to authorize the acceptance of the lowest bid, being that of the Hudson River Iron Works, amounting to $725.

A communication dated June 9 was received from McKim, Mead & White, transmitting an estimate received from the New York Tennis Racket Company for the construction of a fence around the new tennis court at Bellevue Hospital amounting to $442, which estimate was accepted.

A communication dated June 7 was received from George Keiser, withdrawing the bid which he submitted on June 6 for the installation of a fire sprinkler system in Bellevue Hospital, which was the lowest received, and requesting the return of his deposit. A communication dated June 8, in reference to the bids referred to, was received from the H. G. Vogel Company, protesting against the award of the contract to the lowest bidder.

It was resolved to reject all bids received, and to authorize the work to be readvertised.

A communication dated June 9 was received from McKim, Mead & White, transmitting two sets of plans and specifications for the installation of machinery in the new laundry building, which had been revised in accordance with the previous decision of the Board of Trustees.

It was resolved to transmit one set to the Board of Estimate and Apportionment for approval.

A communication dated June 12 was received from the Department of Water Supply, Gas and Electricity, stating that the lowest bid received on May 26 for the installation of a fire alarm system at Harlem Hospital was fair and reasonable, and recommending its acceptance. A communication dated June 10 was presented from the lowest bidder, the Phillips Manufacturing Company, relative to their ability to execute the contract. A letter dated June 1 was also presented from the Gamewell Fire Alarm Telegraph Company, the second lowest bidder, protesting against the award of the contract to the Phillips Manufacturing Company. This letter had been sent to the Department of Water Supply, Gas and Electricity for advice, and the report received stated that no comment was necessary.

It was resolved to accept the lowest bid received and to award a contract to the Phillips Manufacturing Company accordingly.

A communication dated June 13 was received from Miss Sarah L. Potter, of the Women's Auxiliary to the Bellevue Tuberculosis Clinic, stating that the Auxiliary had leased a house at 206 East 30th street for the care of women patients awaiting admission to tuberculosis sanatoria, and requesting the trustees to furnish coal, laundry, milk and eggs, etc., and also to approve the use of the name "Bellevue Settlement House" for the proposed home.

It was resolved to refer this communication to the Law Department for advice as to the powers of the Board in regard to this request.

The President submitted a communication which he had received from the Department of Parks dated June 9, recommending that the day camp "Westfield" be removed to another site in view of its present proximity to a public bath. The President reported that he had approved the removal, but that later he had found that the site to which it was proposed to transfer the day camp was not available. The General Medical Superintendent reported an interview which he had had with the Chief Engineer of the Department of Docks and Ferries on the subject, and after discussion, it was resolved to refer this question to the President with power, and that a formal communication be sent to the Department of Docks and Ferries protesting against the removal of the boat from the immediate vicinity of its present wharfage.

The minutes of the meeting of the Harlem Hospital Medical Board held on May 29 were presented.

The change of dates in the beginning of the service of Dr. Austin L. Hobbs and Dr. Charles M. McKinlay was approved, so that the former will begin duty on July 1 and the latter on November 1, 1911; the recommendation that two additional Dispensary Clerks be appointed was referred to the General Medical Superintendent; the resignation of Dr. Trevor C. Yates, Assistant Physician to Out Patients, was accepted; and the nomination of Dr. Peter J. Fagan was referred to the Conference Committee.

A communication dated June 13 was received from the Board of Estimate and Apportionment, transmitting copies of five resolutions adopted by the Board on June 8, as follows: (1) Transferring $1,679.71 within the appropriations for the year 1910; (2) recommending the establishment of grades of Chief Investigator at $1,500, and Employment Agent at $900; (3) authorizing the issue of $8,750 special revenue bonds to pay the salaries of thirty-five additional Nurses for vacation relief; (4) approving schedule of wages therefor; (5) authorizing $2,600 special revenue bonds to provide means for the establishment of a training school for Midwives.

A communication dated June 6 was also received from the Board of Estimate and Apportionment, transmitting copy of resolution adopted by that Board on June 1, recommending the establishment of the grades of Resident Obstetrician at $1,200 and at $900.

A communication dated June 16 was received from Dr. S. S. Goldwater, stating that provision had been made in all future plans of the hospital to screen the steam pipes in the drying closets so as to obviate so far as possible the danger of fire.

It was reported that subsequent to last meeting it had been learned that the Hospital Conference of The City of New York had decided to reconsider the advisability of protesting against the requirements of the State Board of Regents in regard to the registration of Pupil Nurses, and that as a result the communication to the State Board of Rgents, directed to be sent at last meeting, had been withheld.

It was resolved to defer action on this subject until the decision of the Hospital Conference is ascertained.

It was resolved to request the Board of Managers of the Training School to submit copies of their minutes, so that their contents may be known and acted upon in the same manner as are the minutes of the Executive Committees and Medical Boards of all the hospitals in the Department.

Meeting adjourned.

A. M. ROBBINS, Secretary pro tem.

Synopsis of Minutes.

(Received at City Record Office September 12, 1911.)

A meeting of the Board of Trustees of Bellevue and Allied Hospitals was held on Friday, June 23, 1911. Present: Dr. Brannan, the President, in the chair; Messrs. Farley, O'Keeffe, Stern, Sachs and Robbins, Trustees, and Mr. Drummond, Commissioner of Public Charities. Excused: Mr. Paulding. Mr. Robbins was appointed Secretary pro tem.

Dr. George O'Hanlon, Acting General Medical Superintendent, reported as follows:

I would ask that a recommendation be sent to the Medical Board calling particular attention to the rules governing admission of patients to the hospital. Many patients are now applying for admission with notes or letters from the different Visiting or Assistant Visiting Physicians, who cannot properly be admitted.

It was resolved to transmit to the Medical Boards of the various hospitals in the Department a copy of the charter provision relating to the admission of patients, to-

gether with rules adopted by the Board in regard thereto, and to request that it be circulated among the various members of the medical staff, in order that the practice referred to by the General Medical Superintendent may be discontinued.

Consideration was given to the estimates received at last meeting for the construction of Pavilions L and M of new Bellevue Hospital, and to the communication from the architects, Messrs. McKim, Mead & White, dated June 20, specifying the items in the specifications for the plumbing work upon which a clear interpretation should be obtained from the contractor for the lowest bidder before the contract is awarded.

A second letter was received from the architects under date of June 22, stating that the lowest bidder, John T. Brady Company, had accepted the interpretation on these items as made by the architects, and recommending in consequence of this understanding, that the lowest estimate be accepted.

It was therefore resolved to accept the bid of John T. Brady Company, amounting to $748,840.

A communication dated June 20 was received from Messrs. McKim, Mead & White, recommending in view of the delay in the laying of the water mains in 29th street, that authority be granted to make a temporary connection with the present main, the cost not exceeding $50. Adopted.

The General Medical Superintendent reported upon the care of the ambulance service of Harlem Hospital, particularly in the vicinity of Sydenham Hospital. In company with the President, he had visited Sydenham Hospital and had been informed that there was a possibility of that hospital being closed. The President was authorized to confer with the Trustees of Sydenham Hospital as to their intentions.

Adjourned. A. M. ROBBINS, Secretary pro tem.

LAW DEPARTMENT.

Report of the Bureau of Penalties for August.

Statement and return of moneys received by the Bureau for the Recovery of Penalties, for the month of August, 1911, rendered to the Comptroller.

Date.	What for.	Collections and Penalties.	Costs.	Total Amount.
Aug. 1	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	$3 00	.....	$3 00
Aug. 1	In the matter of the Commissioner of Public Charities vs. Max Porges	8 00	.....	8 00
Aug. 1	In the matter of the Commissioner of Public Charities vs. Jacob Goldstein and Sarah Kreiger	10 00	.....	10 00
Aug. 1	In the matter of the Commissioner of Public Charities vs. John McGowan, John J. McGlynn and Thomas McGowan	8 00	.....	8 00
Aug. 1	In the matter of the Commissioner of Public Charities vs. John McGowan, John J. McGlynn and Thomas McGowan	12 00	.....	12 00
Aug. 1	In the matter of the Commissioner of Public Charities vs. Frank C. Granevi	7 00	.....	7 00
Aug. 1	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary Anglin and Helen Anglin	2 00	.....	2 00
Aug. 2	In the matter of the Commissioner of Public Charities vs. Matthew Smith, John W. Bock and Marie Bock	5 00	.....	5 00
Aug. 2	In the matter of the Commissioner of Public Charities vs. Sam Mendelson	10 00	.....	10 00
Aug. 2	Violation Fire Law	150 00	26 00	176 00
Aug. 3	In the matter of the Commissioner of Public Charities vs. William Trinburn, Nathan Stern and Simon Stern	70 00	10 00	80 00
Aug. 4	In the matter of the Commissioner of Public Charities vs. Henry Schlitz and Magdeline Schlitz	20 00	.....	20 00
Aug. 4	Violation Fire Law	100 00	.....	100 00
Aug. 5	In the matter of the Commissioner of Public Charities vs. Frederick Andres, Valentine Andres and Charles Bang	6 00	.....	6 00
Aug. 5	In the matter of the Commissioner of Public Charities vs. Abraham Schlechter, Israel Wolfish and Samuel Taeb	10 00	.....	10 00
Aug. 5	In the matter of the Commissioner of Public Charities vs. Isaac Cahn	40 00	.....	40 00
Aug. 7	In the matter of the Commissioner of Public Charities vs. William Speeden and Pauline Goermann.	28 00	.....	28 00
Aug. 7	In the matter of the Commissioner of Public Charities vs. Max Porges	8 00	.....	8 00
Aug. 7	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Aug. 8	In the matter of the Commissioner of Public Charities vs. Nathan Mayer	6 00	.....	6 00
Aug. 8	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary Anglin and Helen Anglin	2 00	.....	2 00
Aug. 8	In the matter of the Commissioner of Public Charities vs. Julius Spoeny and Hilhenier	35 00	.....	35 00
Aug. 8	Violation Fire Law	50 00	7 00	57 00
Aug. 9	Violation Corporation Ordinances	25 00	.....	25 00
Aug. 9	In the matter of the Commissioner of Public Charities vs. Timothy Hartigan, Margaret Donnelly and Louise Hartigan	22 50	.....	22 50
Aug. 9	In the matter of the Commissioner of Public Charities vs. Abraham Fast, Harris Stolowitz and David Solomon	42 00	.....	42 00
Aug. 10.	In the matter of the Commissioner of Public Charities vs. Philip Aginsky and Kenneth Cameron	16 00	.....	16 00
Aug. 10.	In the matter of the Commissioner of Public Charities vs. Thomas Butler, Joshua C. Twine and William Bryant	20 00	.....	20 00
Aug. 10.	In the matter of the Commissioner of Public Charities vs. John Schulken	12 00	.....	12 00
Aug. 11	In the matter of the Commissioner of Public Charities vs. Reuben Craft	3 00	.....	3 00
Aug. 11	In the matter of the Commissioner of Public Charities vs. Louis J. Snive	3 00	.....	3 00
Aug. 11	In the matter of the Commissioner of Public Charities vs. Nicholas Toronto, Andrai Barbierei and Peter C. Campbell	5 00	.....	5 00
Aug. 11	Violation Sanitary Code	.....	13 00	13 00
Aug. 12	In the matter of the Commissioner of Public Charities vs. Abraham Goldis	100 00	.....	100 00
Aug. 14	In the matter of the Commissioner of Public Charities vs. Max Porges	8 00	.....	8 00
Aug. 14	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Aug. 14	In the matter of the Commissioner of Public Charities vs. Thomas U. Lyons, Henry Whitehouse and James F. Cullum	30 00	2 72	32 72
Aug. 16	Violation Corporation ordinances (judgments, $34)	.....	.....	34 00
Aug. 16	In the matter of the Commissioner of Public Charities vs. Walter B. Solomars and Frank A. Solomars	24 00	.....	24 00
Aug. 16	In the matter of the Commissioner of Public Charities vs. William G. Manck and Margaret Manck	15 00	7 00	22 00
Aug. 16	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary Anglin and Helen Anglin	2 00	.....	2 00
Aug. 16	Violation Fire Law	50 00	.....	50 00
Aug. 18	In the matter of the Commissioner of Public Charities vs. Isaac Cahn	40 00	.....	40 00
Aug. 18	In the matter of the Commissioner of Public Charities vs. Henry Schlitz and Magdeline Schlitz	22 00	.....	22 00
Aug. 21	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary Anglin and Helen Anglin	2 00	.....	2 00
Aug. 21	In the matter of the Commissioner of Public Charities vs. Max Porges	8 00	.....	8 00
Aug. 21	In the matter of the Commissioner of Public Charities vs. Alphonse Cahn	10 00	.....	10 00
Aug. 21	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Aug. 23	Violation Corporation Ordinances	10 00	.....	10 00
Aug. 25	In the matter of the Commissioner of Public Charities vs. Louis J. Snive	3 00	.....	3 00
Aug. 25	In the matter of the Commissioner of Public Charities vs. Frederick Sivico and Anillo Barelice	10 00	.....	10 00
Aug. 28	In the matter of the Commissioner of Public Charities vs. Jeremiah Anglin, Mary and Helen Anglin.	2 00	.....	2 00
Aug. 28	In the matter of the Commissioner of Public Charities vs. Max Porges	8 00	.....	8 00
Aug. 28	In the matter of the Commissioner of Public Charities vs. Max Moltz and Lena Moltz	3 00	.....	3 00
Aug. 29	Violation Corporation ordinances (judgment, $25)	.....	.....	25 00
Aug. 29	In the matter of the Commissioner of Public Charities vs. John Degnan, Margaret Muldon and Margaret Degnan	8 00	.....	8 00
Aug. 29	In the matter of the Commissioner of Public Charities vs. Philip Aginsky and Kenneth Cameron	16 00	.....	16 00
Aug. 29	Violation Fire Law	100 00	24 00	124 00
Aug. 31	Violation Corporation Ordinances	10 00	.....	10 00
	Total amount collected			$1,377 22
	Amount paid to Commissioner of Public Charities in abandonment and bastardy cases	$733 50		
	Amount paid to Fire Commissioner, penalties collected for violation of laws relating to Fire Department	450 00		
				1,183 50
	Balance due The City of New York			$193 72

HERMAN STIEFEL, Assistant Corporation Counsel.

Department of Correction.

Abstract of Transactions for the Week Ending September 2, 1911.

Communications were received as follows: From City Prison, Manhattan—Report of fines received during week ending August 26, 1911: City Magistrates' Court, $93.

Report of fines for month of August, 1911, and disposal of same: Court of Special Sessions, $75; City Magistrates' Court, $271; telephone money, $13.40—total, $359.40.

To City Chamberlain, $345.40; to Board of Health, $14—total, $359.

From District Prisons—Report of fines received during week ending August 26, 1911: From City Magistrates' Courts, $486.

From Penitentiary, Blackwells Island—List of prisoners received during week ending August 26, 1911: Men, 42; women, 4.

From Workhouse, Blackwells Island—Reporting that fines paid at Workhouse during week ending August 26, 1911, amounted to $68.

Total amount of fines paid at Workhouse during August, $402. Paid to City Chamberlain, $394; paid to Board of Health, $8—total, $402.

From City Prison, Brooklyn—Report of fines received during week ending August 26, 1911: Court of Special Sessions, $100; City Magistrates' Courts, $58—total, $158.

Contracts Awarded—Knickerbocker Ice Company, 200 tons prime quality ice, $1,000; surety, National Surety Company of New York.

J. F. Herbert, Kingston, N. Y.: 200 dozen 15-inch floor broom blocks at $2.65, $530; 75 dozen 12-inch floor broom blocks at $2.35, $176.25; 500 lbs. grey horse hair, at 57 cents per lb., $285; 2,500 folded floor broom boxes, $36.49; 500 lbs. soft bristle mixture, at 63 cents per lb., $315; 100 radiator brush blocks, at 94 cents each, $94; 50 dozen floor broom blocks at $4.20 per dozen, $210; 1,000 folded boxes, $24.75; 1,000 folded boxes, $15.25; total, $1,686.74. Surety, United States Fidelity & Guaranty Company.

Manhattan Hickory Broom Company, 623 E. 18th st.; 50,000 lbs. split hickory,

at $0.0435, $2,175. Surety, Fidelity & Deposit Company of Maryland.

J. Edmund Ogden, 147 Cedar st.: 6,000 square head bolts, $54; 30,000 street broom blocks, $1,455; 30,000 pieces soft steel, $729; 2 reamers for Clement's staff borer, $54; total, $2,292. Surety, Fidelity & Deposit Company of Maryland.

Peter J. Constant, 422½ Gates ave., Brooklyn: 3 barrels brushmaker's pitch (Casey's), at $12 per barrel, $36; 2 barrels brushmaker's pitch (Casey's), at $8 per barrel, $16; 18 hooks for Gilmore buffer, $2.80; 250,000 Bay State eyelets, $21.50; 12,000 pairs men's hemlock outsoles, $0.3150 per pair, $3,780; 12,000 pairs of men's hemlock insoles, at $0.1150 per pair, $1,380; 8,000 pairs of men's hemlock half-soles, at $0.10 per pair, $800; 20 lbs. crimping nails, $13; 6,000 lbs. hemlock sole leather, $0.2742 per lb., $1,645.20; 15,000 pair men's moulded leather heels, $0.0685 per pair, $1,027.50; 4 insole dies, $17; 1,000 pairs women's moulded leather heels, $0.0560 per pair, $56; 800 narrow, flat pointed needles, at $0.0120, $9.60; 12,000 pairs men's moulded counters, $0.02 per pair, $240; 200 lbs. twine, $0.1250 per lb., $25; 600 pairs of slipper outsoles, $0.19 per pair, $114; 2 gross harness awls, $4; 6 No. 5 hub rawhide mallets, $30; 300 lbs. Swedes' iron shoe nails, $15; 12,000 pairs leather board shank pieces, $0.0130 per pair, $156; 50 gallons new method ink, $52; 40,000 feet oil grain, $0.1825 per foot, $7,300; 25,000 feet of pebble grain, $0.1543 per foot, $3,857.50; 12 pairs of knell style pincers, $11.50; 100,000 japanned tubular rivets, $67; 75 lbs. new method wax, $38; 8 roller presser feet for sewing machine, $16; 200 lbs. cut twine, $15; 10,000 carriage bolts and nuts, $30; 24 Morse round shank twist drills, $3.50; 6 pairs of tinsmith's shears, $8; 2,000 bed blocks, $37; 6 dozen ash hammer handles, $5; 1 emery wheel, $5; 5 dozen twist drills, $21.80; 200 bolts and square head nuts, $3; 1,000 lbs. Atlantic white lead, $75; 20 tons of broom corn, $132 per ton, $2,640; 5,000 No. 9 or warehouse handles, $125; 500 lbs. broom sewing flax, $159; 1 ton fine green whiskbroom corn, $175; 5,000 No. 8 broom handles, $115; 500 lbs. flat head, block iron, rivets, $23.50; 5,000 lbs. prime China reeds, at $0.1020 per lb., $510; 30,000 feet pure Manila hemp rope, $195; 100 carriage bolts, with nuts and washers, $2.34; 6,000 lbs. Jaeger carded peeler yarn, $0.2260 per lb., $1,356; 6,000 lbs. of brown and white twisted yarn, $0.2160 per lb., $1,296; 100 dozen unbleached Willimantic cotton, $110.50; 6,000 S. W. needles, $13 per thousand, $78; 400 gross of buttons, $44; 4,000 lbs. 6½ ounce splits, $0.33 per lb., $1,320; 4,000 pairs of women's heels, $0.0560 per pair, $224; 4 half-sole dies, $16; total, $29,323.24. Surety, Empire State Surety Company.

Ernest B. Wright, 270 Pearl st.; 2,500 lbs. of grey bristle, $1.32 per lb., $3,300. Surety, The Title Guaranty & Surety Company.

Peter Woll & Sons, 27 Howard st.: 50,000 lbs. of best quality African brass, $0.1019 per lb., $5,095. Surety, United States Fidelity & Guaranty Company.

Proposals of August 10, 1911—Schieffelin & Company, 170 William st.: 10,000 lbs. acid, carbolic, at $0.1295 per lb., $1,295. Surety, The American Surety Company of New York.

The Texas Company, 17 Battery place: 4,000 gallons kerosene oil, $0.085 per gallon, $340. Surety, American Bonding Company of Baltimore.

John Greig, 45 Broadway: 800 gallons of turpentine, $0.519 per gallon, $415.20. Surety, The Title Guaranty & Surety Company.

Electric Construction & Supply Company, 39 Cortlandt st.: Furnishing labor and materials to draw into ducts, cables for electric feeder system, etc., including lamp-post lanterns for Harts Island, New York, for $4,821. Surety, National Surety Company.

Appointed—Peter Dwyer, Orderly, at Branch Workhouse, Harts Island, at $240 per annum, to date from September 1, 1911.

Lizzie M. Grimes, Orderly, at the City Prison, Manhattan, at $480 per annum, to date from September 1, 1911.

Salary Increased—John Flynn, Orderly, at Branch Workhouse, Harts Island, from $240 to $360 per annum, to date from September 1, 1911.

Resigned—Peter McDonnell, Keeper at District Prisons, at $1,200 per annum, to take effect August 31, 1911.

Temporary Appointments Expire—Martin Kern, Stationary Engineer at City Prison, Manhattan, to take effect August 27.

Samuel Gravatt, Stationary Engineer at Branch Workhouse, Harts Island, to take effect August 27.

Dropped from the Rolls—Herman Mohlenhoff, Orderly at Branch Workhouse, Harts Island, to take effect August 23, 1911.

PATRICK A. WHITNEY, Commissioner.

Department of Water Supply, Gas and Electricity.

(Received at City Record Office September 9, 1911.)

Report of transactions for the week ending June 10, 1911:

Statement of Collections, Bureau of Water Register, all Boroughs—Borough. Manhattan, $151,816.95; The Bronx, $33,547.84; Brooklyn, $111,570.12; Queens, $10,809.39; Richmond, $3,639.17; total, $311,383.45.

Contracts Entered Into—For furnishing and delivering double nozzle fire hydrants, section 11, dated June 6, 1911; contractor the Kennedy Valve Manufacturing Company; surety, the Empire State Surety Company; estimated cost, $26,830. For furnishing and delivering coal; contractor, Rudolph Reimer, Jr.; surety, American Surety Company of New York; estimated cost, $1,825; contract dated June 6, 1911.

Changes in the Working Force—Manhattan: Appointed: Gertrude C. Hart, Clerk, at $1,200 per annum; John W. Leonard, Gas Inspector, at $1,200 per annum; Frank B. McLean, Assistant Engineer, at $1,350 per annum; John J. Coffin, Temporary Inspector of Electric Lighting and Conductors, at $1,200 per annum; Herbert Baker, Stenographer and Typewriter, at $1,050 per annum; Arthur E. Hull, Automobile Engineman, at $1,200 per annum. Temporary Inspectors of Meters and Water Consumption, at $1,000 per annum: Stephen P. Walsh, Albert E. Baillie, William J. Farrell, John C. Murphy, John J. Harrigan, James A. McNelis, John F. McKenna, Frank K. McLean, William D. Collins, Ferdinand Anthony, Charles H. Serle, Edward V. Morris, Frank X. Endres, Chas. H. J. McNamara, Neil B. McBride, Michael Klein, Fred Brutschy, James J. McCormick, William J. Galbraith, Donald R. Miller, Charles J. Seibel, James M. Quinn, George Meyerrose, Albert J. Dobler, Stephen C. Gemelin, James Marina, Joseph A. Meeks, Peter J. Blaesser, Charles H. Bauer, Thomas Tobias, Albert F. Kuntz, Michael F. McManus; Louis Schoen, Samuel C. Brooks, Harry Barrow, Wm. H. Balke, David White, John Collins, James F. Mullin, John Seibel, Herman Fischer, Edward Greene, John J. Gillen, John J. Mahoney, Thomas W. Smith, Harry W. Meyer, Patrick T. Keegan, George J. Rooney, James H. Fallon, John Dunn, Charles J. Grady, Charles R. Davis, Thomas F. Ford. James J. Collins, Clerk, at $600 per annum, transferred from Board of Education.

Resigned: Clairville E. Benedict, Assistant Engineer; Russell H. Brown, Temporary Storekeeper; Atlee H. Tracy, Secretary of Department.

Increased: Max Blatt, Assistant Engineer, $1,800 to $2,100 per annum; Joseph Goodman, Assistant Engineer, $3,000 to $3,250 per annum.

The Bronx—Resigned: 1 Laborer.

Queens—Reinstated: Bernard J. McAdam, Inspector of Meters and Water Consumption, $1,100 per annum.

Richmond—Appointed: James W. Linnett, Temporary Inspector of Electric Lighting and Conductors, at $1,200 per annum; Katherine C. Cox, Stenographer and Typewriter, at $1,050 per annum.

J. W. F. BENNETT, Deputy Commissioner.

Department of Bridges.

Abstract of Transactions of the Department of Bridges for the Week Ending September 2, 1911.

Appointments—August 29: 1 Bridge Painter, at $4 per day.

Resigned—August 30: 1 Inspector of Masonry, at $5 per day.

Discharged—August 28: 1 Assistant Engineer, at $4,000 per annum; 1 Structural Steel Draftsman, at $1,800 per annum. August 29: 3 Bridge Keepers, at $1,095 per annum; 1 Bridge Keeper, at $900 per annum.

Reinstated—August 31: 1 Structural Steel Draftsman, at $1,800 per annum.

Requisitions Drawn on the Comptroller—Open market orders, $2,349.84; miscellaneous vouchers, $516.46; contracts, $131.87; payrolls, $16,802.39; total, $19,800.56.

Moneys Received—New York and Brooklyn Bridge: Rent, $149.58; material and labor, $16.13; tolls, trolley cars, $1,122.90—$1,288.61. Williamsburg Bridge: Tolls, trolley cars, $448.65. Harlem River Bridges: Privileges, $10. Municipal Garage: Material, labor and storage, $556.87—$2,304.13.

Contracts Awarded—August 28: The contract for furnishing and delivering spruce planks to the Brooklyn Bridge was awarded to Johnson Brothers, Inc., 45 Classon ave., Brooklyn, their bid of $10,599 being the lowest formal one received. They gave as surety the United States Fidelity and Guaranty Company.

ARTHUR J. O'KEEFFE, Commissioner of Bridges.

OFFICIAL DIRECTORY

STATEMENT OF THE HOURS DURING which the Public Offices in the City are open for business and at which the Courts regularly open and adjourn, as well as the places where such offices are kept and such Courts are held, together with the heads of Departments and Courts.

CITY OFFICES.

MAYOR'S OFFICE.

No. 5 City Hall, 9 a. m. to 5 p. m.; Saturdays 9 a. m. to 12 m.
Telephone, 8020 Cortlandt.
WILLIAM J. GAYNOR, Mayor.
Robert Adamson, Secretary.
James Matthews, Executive Secretary.
———, Chief Clerk and Bond and Warrant Clerk.

BUREAU OF WEIGHTS AND MEASURES.

Room 7, City Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
John L. Walsh, Commissioner.
Telephone, 4334 Cortlandt.

BUREAU OF LICENSES.

9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone 4109 Cortlandt.
James G. Wallace, Jr., Chief of Bureau.
Principal Office, Room 1, City Hall.
Branch Office, Room 12A, Borough Hall Brooklyn.

ARMORY BOARD.

Mayor William J. Gaynor, the Comptroller, William A. Prendergast; the President of the Board of Aldermen, John Purroy Mitchel; Brigadier-General George Moore Smith, Brigadier General John G. Eddy, Commodore R. P. Forshew, the President of the Department of Taxes and Assessments, Lawson Purdy.
Clark D. Rhinehart, Secretary, Room 6, Basement, Hall of Records, Chambers and Centre streets.
Office hours, 9 a. m. to 4 p. m.; Saturdays 9 a. m. to 12 m.
Telephone, 3900 Worth.

ART COMMISSION.

City Hall, Room 21.
Telephone call, 1197 Cortlandt.
Robert W. de Forest, Trustee Metropolitan Museum of Art, President; Herbert Adams, Sculptor, Vice-President; Charles Howland Russell, Trustee of New York Public Library, Secretary; A. Augustus Healy, President of the Brooklyn Institute of Arts and Sciences; William J. Gaynor, Mayor of The City of New York; Frederic B. Pratt, Francis C. Jones Painter; R. T. H. Halsey, I. N. Phelps Stokes. Architect; John Bogart.
John Quincy Adams, Assistant Secretary.

BELLEVUE AND ALLIED HOSPITALS.

Office, Bellevue Hospital, Twenty-sixth street and First avenue.
Telephone, 4400 Madison Square.
Board of Trustees—Dr. John W. Brannan President; James K. Paulding, Secretary; John G. O'Keeffe, Arden M. Robbins, James A. Farley, Samuel Sachs, Leopold Stern; Michael J. Drummond, ex-officio.
General Medical Superintendent, Dr. George O'Hanlon.

BOARD OF ALDERMEN.

No. 11 City Hall, 10 a. m. to 4 p. m.; Saturdays, 10 a. m. to 12 m.
Telephone, 7560 Cortlandt.
John Purroy Mitchel, President.
P. J. Scully, City Clerk.

BOARD OF ASSESSORS.

Office, No. 320 Broadway, 9 a. m. to 4 p. m.; Saturdays, 12 m.
Joseph P. Hennessy, President.
William C. Ormond.
Antonio C. Astarita.
Thomas J. Drennan, Secretary.
Telephone, 29, 30 and 31 Worth.

BOARD OF AMBULANCE SERVICE.

Headquarters, 240 Centre st.
Office hours, 9 a. m. to 4 p. m. Saturdays, 12 m.
President, Commissioner of Police, R. Waldo; Secretary, Commissioner of Public Charities, M. J. Drummond; Dr. John W. Brannan, President of the Board of Trustees of Bellevue and Allied Hospitals; Dr. Royal S. Copeland, Wm. I. Spiegelberg; D. C. Potter, Director.
Telephone, 3100 Spring.

BOARD OF ELECTIONS.

General office, No. 107 West Forty-first street.
Commissioners: J. Gabriel Britt, President; Moses M. McKee, Secretary; James Kane and Jacob A. Livingston. Michael T. Daly, Chief Clerk.
Telephone, 2946 Bryant.

BOROUGH OFFICES.

Manhattan.
No. 112 West Forty-second street.
William C. Baxter, Chief Clerk.
Telephone, 2946 Bryant.

The Bronx.
One Hundred and Thirty-eighth street and Mott avenue (Solingen Building).
John L. Burgoyne, Chief Clerk.
Telephone, 336 Melrose.

Brooklyn.
No. 42 Court street (Temple Bar Building).
George Russell, Chief Clerk.
Telephone, 693 Main.

Queens.
No. 46 Jackson avenue, Long Island City.
Carl Voegel, Chief Clerk.
Telephone, 663 Greenpoint.

Richmond.
Borough Hall, New Brighton, S. I.
Alexander M. Ross, Chief Clerk.
Telephone, 1000 Tompkinsville.
All offices open from 9 a. m. to 4 p. m., Saturdays, 9 a. m. to 12 m.

BOARD OF ESTIMATE AND APPORTIONMENT.

The Mayor, Chairman; the Comptroller, President of the Board of Aldermen, President of the Borough of Manhattan, President of the Borough of Brooklyn, President of the Borough of The Bronx, President of the Borough of Queens, President of the Borough of Richmond.

OFFICE OF THE SECRETARY.

No. 277 Broadway, Room 1406. Telephone 2280 Worth.
Joseph Haag, Secretary; William M. Lawrence, Assistant Secretary; Charles V. Adee, Clerk to Board.

OFFICE OF THE CHIEF ENGINEER.

Nelson P. Lewis, Chief Engineer, No. 277 Broadway, Room 1408. Telephone, 2281 Worth.
Arthur S. Tuttle, Engineer in charge Division of Public Improvements, No. 277 Broadway, Room 1408. Telephone, 2281 Worth.

BUREAU OF FRANCHISES.

Harry P. Nichols, Engineer, Chief of Bureau, 277 Broadway, Room 801. Telephone, 2282 Worth.
Office hours 9 a. m. to 5 p. m. (except during July and August, when hours are 9 a. m. to 4 p. m.); Saturdays, 9 a. m. to 12 m.

BOARD OF EXAMINERS.

Rooms 6027 and 6028, Metropolitan Building, No. 1 Madison avenue, Borough of Manhattan, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 5840 Gramercy.
George A. Just, Chairman. Members: William Crawford, Lewis Harding, Charles G. Smith, William A. Boring, John P. Leo and John Kenlon.
Edward V. Barton, Clerk.
Board meeting every Tuesday at 2 p. m.

BOARD OF INEBRIETY.

Temporary Office, 300 Mulberry street, Manhattan.
Thomas J. Colton, President.
Rev. William Morrison, Secretary
John Dorning, M.D.
Rev. John J. Hughes.
William Browning, M.D.
Secretary's telephone, 834 Prospect.

BOARD OF PAROLE OF THE NEW YORK CITY REFORMATORY OF MISDEMEANANTS.

Office, No. 148 East Twentieth street.
Patrick A. Whitney, Commissioner of Correction, President.
John B. Mayo, Judge, Special Sessions, Manhattan.
Robert J. Wilkin, Judge, Special Sessions, Brooklyn.
Frederick B. House, City Magistrate, First Division.
Edward J. Dooley, City Magistrate, Second Division.
Samuel B. Hamburger, John C. Heintz, Rosario Maggio, Richard E. Troy.
Thomas R. Minnick, Secretary.
Telephone, 1047 Gramercy.

BOARD OF REVISION OF ASSESSMENTS.

William A. Prendergast, Comptroller.
Archibald R. Watson, Corporation Counsel.
Lawson Purdy, President of the Department of Taxes and Assessments.
John Korb, Jr., Chief Clerk, Finance Department, No. 280 Broadway.
Telephone, 1200 Worth.

BOARD OF WATER SUPPLY.

Office, No. 165 Broadway.
Charles Strauss, President; Charles N. Chadwick and John F. Galvin, Commissioners.
Joseph P. Morrissey, Secretary.
J. Waldo Smith, Chief Engineer.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4310 Cortlandt.

COMMISSIONER OF ACCOUNTS.

Raymond B. Fosdick, Commissioner of Accounts.
Rooms 114 and 115, Stewart Building, No. 280 Broadway, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4315 Worth.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.

City Hall, Rooms 11, 12; 10 a. m. to 4 p. m.; Saturdays, 10 a. m. to 12 m.
Telephone, 7560 Cortlandt.
P. J. Scully, City Clerk and Clerk of the Board of Aldermen.
Joseph F. Prendergast, First Deputy.
John T. Oakley, Chief Clerk of the Board of Aldermen.
Joseph V. Sculley, Clerk, Borough of Brooklyn.
Matthew McCabe, Deputy City Clerk, Borough of The Bronx.
George D. Frenz, Deputy City Clerk, Borough of Queens.
Joseph F. O'Grady, Deputy City Clerk, Borough of Richmond.

CHANGE OF GRADE DAMAGE COMMISSION.

Office of the Commission, Room 223, No. 280 Broadway (Stewart Building), Borough of Manhattan, New York City.
William D. Dickey, Cambridge Livingston, David Robinson, Commissioners. Lamont McLoughlin, Clerk.
Regular advertised meetings on Monday, Tuesday and Thursday of each week at 2 o'clock p. m.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3254 Worth.

CITY RECORD OFFICE.

BUREAU OF PRINTING, STATIONERY AND BLANK BOOKS.

Supervisor's Office, 8th floor, Park Row Building, No. 21 Park Row.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1505 and 1506 Cortlandt.
Distributing Division, Nos. 96 and 98 Reade street, near West Broadway.
David Ferguson, Supervisor.
Henry McMillen, Deputy Supervisor.
C. McKemie, Secretary.

COMMISSIONER OF LICENSES.

Office, No. 277 Broadway.
Herman Robinson, Commissioner.
Samuel Prince, Deputy Commissioner.
John J. Caldwell, Secretary.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 2828 Worth.

COMMISSIONERS OF SINKING FUND.

William J. Gaynor, Mayor, Chairman; William A. Prendergast, Comptroller; Robert R. Moore, Chamberlain; John Purroy Mitchel, President of the Board of Aldermen, and Frank L. Dowling, Chairman Finance Committee, Board of Aldermen, members; Henry J. Walsh, Deputy Chamberlain, Secretary.
Office of Secretary, Room 69, Stewart Building, No. 280 Broadway, Borough of Manhattan.
Telephone, 4270 Worth.

DEPARTMENT OF BRIDGES.

Nos. 13-21 Park Row.
Arthur J. O'Keeffe, Commissioner.
William H. Sinnott, Deputy Commissioner.
Edgar E. Schiff, Secretary.
Office hours, 9 a. m. to 4 p. m.
Saturdays, 9 a. m. to 12 m.
Telephone, 6080 Cortlandt.

DEPARTMENT OF CORRECTION.

CENTRAL OFFICE.

No. 148 East Twentieth street. Office hours from 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1047 Gramercy.
Patrick A. Whitney, Commissioner.
William J. Wright, Deputy Commissioner.
John B. Fitzgerald, Secretary.

DEPARTMENT OF DOCKS AND FERRIES.

Pier "A," N. R., Battery place.
Telephone, 300 Rector.
Calvin Tomkins, Commissioner.
B. F. Cresson, Jr., First Deputy Commissioner.
William J. Barney, Second Deputy Commissioner.
Matthew J. Harrington, Secretary.
Office hours, 9 a. m. to 4 p. m., Saturdays, 9 a. m. to 12 m.

DEPARTMENT OF EDUCATION.

BOARD OF EDUCATION.

Park avenue and Fifty-ninth street, Borough of Manhattan, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 5580 Plaza.
Stated meetings of the Board are held at 4 p. m. on the first Monday in February, the second Wednesday in July, and the second and fourth Wednesdays in every month, except July and August.
Richard B. Aldcroftt, Jr., Reba C. Bamberger (Mrs.), Nicholas J. Barrett, Charles E. Bruce, M. D., Thomas W. Churchill, Joseph E. Cosgrove, Francis P. Cunnion, Thomas M. De Laney, Martha Lincoln Draper (Miss), Horace E. Dresser, Alexander Ferris, George J. Gillespie, John Greene, Robert L. Harrison, Louis Haupt, M. D., Max Katzenberg, Olivia Leventritt (Miss.), Jeremiah T. Mahoney, Alrick H. Man, John Martin, Robert E. McCafferty, Dennis J. McDonald, M. D., Patrick F. McGowan, Herman A. Metz, Ralph McKee, Frank W. Meyer, Augustus G. Miller, George C. Miller, Louis Newman, Antonio Pisani, M. D., Alice Lee Post (Mrs.), Helen C. Robbins (Mrs.), Arthur S. Somers, Abraham Stern, M. Samuel Stern, Cornelius J. Sullivan, Michael J. Sullivan, Bernard Suydam, Rupert B. Thomas, John R. Thompson, Alphonse Weiner, John Whalen, Frank D. Wilsey, George W. Wingate, Egerton L. Winthrop, Jr., members of the Board. (One vacancy.)
Egerton L. Winthrop, Jr., President.
John Greene, Vice-President.
A. Emerson Palmer, Secretary.
Fred H. Johnson, Assistant Secretary.
C. B. J. Snyder, Superintendent of School Buildings.
Patrick Jones, Superintendent of School Supplies.
Henry R. M. Cook, Auditor.
Thomas A. Dillon, Chief Clerk.
Henry M. Leipziger, Supervisor of Lectures
Claude G. Leland, Superintendent of Libraries
A. J. Maguire, Supervisor of Janitors.

BOARD OF SUPERINTENDENTS.

William H. Maxwell, City Superintendent of Schools, and Andrew W. Edson, John H. Haaren, Clarence E. Meleney, Thomas S. O'Brien, Edward B. Shallow, Edward L. Stevens, Gustave Straubenmüller, John H. Walsh, Associate City Superintendents.

DISTRICT SUPERINTENDENTS.

Darwin L. Bardwell, William A. Campbell John W. Davis, John Dwyer, James M. Edsall, Matthew J. Elgas, William L. Ettinger, Cornelius E. Franklin, John Griffin, M. D., Ruth E. Granger, John L. N. Hunt, Henry W. Jameson, James Lee, Charles W. Lyon, James J. McCabe William J. O'Shea, Julia Richman, Alfred T. Schauffler, Albert Shiels, Edgar Dubs Shimer, Seth T. Stewart, Edward W. Stitt, Grace C. Strachan, Joseph S. Taylor, Joseph H. Wade. (One vacancy.)

BOARD OF EXAMINERS.

William H. Maxwell, City Superintendent of Schools, and James C. Byrnes, Walter L. Hervey, Jerome A. O'Connell, George J. Smith, Examiners.

BOARD OF RETIREMENT.

Egerton L. Winthrop, Jr., Abraham Stern, Cornelius J. Sullivan, William H. Maxwell, Josephine E. Rogers, Mary A. Curtis, Lyman A Best, Principal P. S. 108, Brooklyn, Secretary. (Telephone, 1470 East New York).

DEPARTMENT OF FINANCE.

Stewart Building, Chambers street and Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1200 Worth.
WILLIAM A. PRENDERGAST, Comptroller
Douglas Mathewson and Edmund D. Fisher, Deputy Comptrollers.
Hubert L. Smith, Assistant Deputy Comptroller.
George L. Tirrell, Secretary to the Department.
Arthur C. McKeever, Clerk to the Comptroller.
Thomas W. Hynes, Supervisor of Charitable Institutions.
Walter S. Wolfe, Chief Clerk

BUREAU OF AUDIT.

Charles S. Hervey, Chief Auditor of Accounts, Room 29.
Duncan Mac Innes, Chief Accountant and Bookkeeper.
John J. Kelly, Auditor of Disbursements.
H. H. Rathyen, Auditor of Receipts.
James J. Munro, Chief Inspector.
R. B. McIntyre, Examiner in Charge, Expert Accountants' Division.

LAW AND ADJUSTMENT DIVISION.

Albert E. Hadlock, Auditor of Accounts, Room 185.

BUREAU OF MUNICIPAL INVESTIGATION AND STATISTICS.

James Tilden Adamson, Supervising Statistician and Examiner, Room 180.

STOCK AND BOND DIVISION.

James J. Sullivan, Chief Stock and Bond Clerk, Room 85.

OFFICE OF THE CITY PAYMASTER.

No. 83 Chambers street and No. 65 Reade street.
John H. Timmerman, City Paymaster.

DIVISION OF REAL ESTATE.

Charles A. O'Malley, Appraiser of Real Estate. Room 103, No. 280 Broadway.

DIVISION OF AWARDS.

Joseph R. Kenny, Bookkeeper in Charge. Rooms 155 and 157. No. 280 Broadway.

BUREAU FOR THE COLLECTION OF TAXES.

Borough of Manhattan—Stewart Building, Room O.
Frederick H E. Ebstein, Receiver of Taxes.
John J. McDonough and Sylvester L. Malone, Deputy Receivers of Taxes.
Borough of The Bronx—Municipal Building, Third and Tremont avenues.
Edward H. Healy and John J. Knewitz, Deputy Receivers of Taxes.
Borough of Brooklyn—Municipal Building, Rooms 2-8.
Alfred J. Boulton and David E. Kemlo, Deputy Receivers of Taxes.
Borough of Queens—Municipal Building, Court House Square, Long Island City.
William A. Beadle and Thomas H. Green, Deputy Receivers of Taxes.
Borough of Richmond—Borough Hall, St George, New Brighton.
John De Morgan and Edward J. Lovett, Deputy Receivers of Taxes.

BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS.

Borough of Manhattan, Stewart Building, Room E.
Daniel Moynahan, Collector of Assessments and Arrears.
George W. Wanmaker, Deputy Collector of Assessments and Arrears.
Borough of The Bronx—Municipal Building, Rooms 1-3.
Charles F. Bradbury, Deputy Collector of Assessments and Arrears.
Borough of Brooklyn—Mechanics' Bank Building, corner Court and Montague streets.
Theodore G. Christmas, Deputy Collector of Assessments and Arrears.
Borough of Queens—Municipal Building, Court House Square, Long Island City.
Bernard H. Fee, Clerk, Acting Deputy Collector of Assessments and Arrears.
Borough of Richmond—St. George, New Brighton.
Edward W. Berry, Deputy Collector of Assessments and Arrears.

BUREAU FOR THE COLLECTION OF CITY REVENUE AND OF MARKETS.

Stewart Building, Chambers street and Broadway, Room K.
Sydney H. Goodacre, Collector of City Revenue and Superintendent of Markets.

BUREAU OF THE CHAMBERLAIN.

Stewart Building, Chambers street and Broadway, Rooms 63 to 67.
Robert R. Moore, Chamberlain.
Henry J. Walsh, Deputy Chamberlain.
Office hours, 9 a. m. to 5 p. m.
Telephone, 4270 Worth.

DEPARTMENT OF HEALTH.

Southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Burial Permit and Contagious Disease offices always open.
Telephone, 4900 Columbus.
Ernst J. Lederle, Commissioner of Health and President.
Alvah H. Doty, M. D.; Rhinelander Waldo, Commissioners.
Eugene W. Scheffer, Secretary.
Herman M. Biggs, M. D., General Medical Officer.
Walter Bensel, M. D., Sanitary Superintendent.
William H. Guilfoy, M. D., Registrar of Records.
James McC. Miller, Chief Clerk.

Borough of Manhattan.

Alonzo Blauvelt, M. D., Assistant Sanitary Superintendent; George A. Roberts, Assistant Chief Clerk.
Charles J. Burke, M. D., Assistant Registrar of Records.

Borough of The Bronx, No. 3731 Third Avenue

Marion B. McMillan, M. D., Assistant Sanitary Superintendent; Ambrose Lee, Jr., Assistant Chief Clerk; Arthur J. O'Leary, M. D., Assistant Registrar of Records.

Borough of Brooklyn, Flatbush avenue, Willoughby and Fleet streets.

Travers R. Maxfield, M. D., Assistant Sanitary Superintendent; Alfred T. Metcalfe, Assistant Chief Clerk; S. J. Byrne, M. D., Assistant Registrar of Records.

Borough of Queens, Nos. 372 and 374 Fulton street, Jamaica.

John H. Barry, M. D., Assistant Sanitary Superintendent; George R. Crowly, Assistant Chief Clerk; Robert Campbell, M. D., Assistant Registrar of Records.

Borough of Richmond, No. 514 Bay street, Stapleton, Staten Island.

John T. Sprague, M. D., Assistant Sanitary Superintendent; Charles E. Hoyer, Assistant Chief Clerk.

DEPARTMENT OF PARKS.

Charles B. Stover, Commissioner of Parks for the Boroughs of Manhattan and Richmond, and President Park Board.
Clinton H. Smith, Secretary.
Offices, Arsenal, Central Park.
Telephone, 201 Plaza.
Office hours, 9 a. m. to 5 p. m.; Saturdays, a. m. to 12 m.
Michael J. Kennedy, Commissioner of Parks for the Borough of Brooklyn.
Offices, Litchfield Mansion, Prospect Park Brooklyn.
Office hours, 9 a. m. to 5 p. m.; July and August, 9 a. m. to 4 p. m.
Telephone, 2300 South.
Thomas J. Higgins, Commissioner of Parks for the Borough of The Bronx.
Office, Zbrowski Mansion, Claremont Park.
Office hours, 9 a. m. to 5 p. m.; Saturdays 9 a. m. to 12 m.
Telephone, 2640 Tremont.
Walter G. Eliot, Commissioner of Parks for the Borough of Queens.

PERMANENT CENSUS BOARD.

Hall of Board of Education, No. 500 Park avenue, third floor. Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
The Mayor, City Superintendent of Schools and Police Commissioner. George H. Chatfield, Secretary.
Telephone, 5752 Plaza.

DEPARTMENT OF PUBLIC CHARITIES.

PRINCIPAL OFFICE.

Foot of East Twenty-sixth street, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 7400 Madison Square.
Michael J. Drummond, Commissioner.
Frank J. Goodwin, First Deputy Commissioner.
William J. McKenna, Third Deputy Commissioner.
Thomas L. Fogarty, Second Deputy Commissioner for Brooklyn and Queens, Nos. 327 to 331 Schermerhorn street, Brooklyn. Telephone 2977 Main.
J. McKee Borden, Secretary.
Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Bureau of Dependent Adults, foot of East Twenty-sixth street. Office hours, 9 a. m. to 5 p. m.
The Children's Bureau, No. 124 East 59th street. Office hours, 9 a. m. to 5 p. m.
Jeremiah Connelly, Superintendent for Richmond Borough, Borough Hall, St. George, Staten Island.
Telephone, 1000 Tompkinsville.

DEPARTMENT OF STREET CLEANING.

Nos. 13 to 21 Park row, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3863 Cortlandt.
William H. Edwards, Commissioner.
James F. Lynch, Deputy Commissioner, Borough of Manhattan.
Julian Scott, Deputy Commissioner, Borough of Brooklyn.
James F. O'Brien, Deputy Commissioner, Borough of The Bronx.
John J. O'Brien, Chief Clerk.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Hall of Records, corner of Chambers and Centre streets. Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Commissioners—Lawson Purdy, President; Chas. J. McCormack, John J. Halleran, Charles T. White, Daniel S. McElroy, Edward Kaufmann, Judson G. Wall.
Telephone, 3900 Worth.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Nos. 13 to 21 Park row, 9 a. m. to 5 p. m.; Saturdays 9 a. m. to 12 m.
Telephones: Manhattan, 5962 Cortlandt; Brooklyn, 3980 Main, Queens, 1990 Greenpoint; Richmond, 840 Tompkinsville; Bronx, 3400 Tremont.
Henry S. Thompson, Commissioner.
J. W. F. Bennett, Deputy Commissioner.
Frederic T. Parsons, Deputy Commissioner, Borough of Brooklyn. Municipal Building, Brooklyn.
John L. Jordan, Deputy Commissioner, Borough of The Bronx, Municipal Building, The Bronx.
M. P. Walsh, Deputy Commissioner, Borough of Queens, Municipal Building, Long Island City.
John E. Bowe, Deputy Commissioner, Borough of Richmond, Municipal Building, St. George.

EXAMINING BOARD OF PLUMBERS.

Edwin Hayward President.
James J. Donahue, Secretary.
August C. Schwager, Treasurer.
Rooms Nos. 14, 15 and 16, Aldrich Building. Nos. 149 and 151 Church street.
Telephone, 6472 Barclay.
Office open during business hours every day in the year (except legal holidays). Examinations are held on Monday, Wednesday and Friday after 1 p. m.

FIRE DEPARTMENT.

Headquarters: Office hours for all, from 9 a. m. to 5 p. m.; Saturdays, 12 m. Central offices and fire stations open at all hours.

OFFICES.

Headquarters of Department, Nos. 157 and 159 East 67th street, Manhattan. Telephone, 640 Plaza.

Brooklyn office, Nos. 365 and 367 Jay street, Brooklyn. Telephone, 2653 Main.
Joseph Johnson, Commissioner.
George W. Olvany, Deputy Commissioner.
Phillip P. Farley, Deputy Commissioner, Boroughs of Brooklyn and Queens.
Daniel E. Finn, Secretary of Department.
Lloyd Dorsey Willis, Secretary to Commissioner.
Walter J. Nolan, Secretary to Deputy Commissioner, Boroughs of Brooklyn and Queens.
John Kenlon, Chief of Department and in charge, Bureau of Violations and Auxiliary Fire Appliances; offices, Nos. 157 and 159 East 67th street, Manhattan. Brooklyn branch, Bureau of Violations and Auxiliary Fire Appliances, No. 365 Jay street, Brooklyn.
Thomas Lally, Deputy Chief in charge, Boroughs of Brooklyn and Queens.
Electrical Engineer, John C. Rennard, in charge Fire Alarm Telegraph Bureau. Office, No. 157 East 67th street, Manhattan.
Bureau of Repairs and Supplies: Deputy Chief William Guerin in charge.
Bureau of Combustibles: Inspector of Combustibles, David I. Kelly, in charge, Manhattan, The Bronx and Richmond.
Oil Surveyor, James J. Nevins, temporarily in charge, Brooklyn and Queens.
Fire Marshals: William L. Beers, Manhattan, The Bronx and Richmond; Thomas P. Brophy Brooklyn and Queens.

LAW DEPARTMENT.

OFFICE OF CORPORATION COUNSEL.

Office hours, 9 a. m. to 5 p. m.; Saturdays 9 a. m. to 12 m.
Main office, Hall of Records, Chambers and Centre streets, 6th and 7th floors.
Telephone, 4600 Worth.
Archibald R. Watson, Corporation Counsel.
Assistants—Theodore Connoly, George L. Sterling, Charles D. Olendorf, William P. Burr, R. Percy Chittenden, William Beers Crowell, John L. O'Brien, Terence Farley, Edward J. McGoldrick, Curtis A. Peters, Cornelius F. Collins, John F. O'Brien, Edward S. Malone, Edwin J. Freedman, Louis H. Hahlo, Frank B. Pierce, Richard H. Mitchell, John Widdecombe, Arthur Sweeny, William H King, George P. Nicholson, George Harold Folwel, Dudley F. Malone, Charles J. Nehrbas, William J. O'Sullivan, Harford P. Walker, Josiah A. Stover, Arnold C. Weil, Francis J. Byrne, Francis Martin, Charles McIntyre, Clarence L. Barber, Alfred W. Booraem, George H. Cowie, Solon Berrick, James P. O'Connor, Elliott S. Benedict, Isaac Phillips, Edward A. McShane Eugene Fay, Ricardo M. DeAcosta, John M. Barrett, Frank P. Reilly, Leon G. Godley, Alexander C. MacNulty, Samuel Hoffmann.
Secretary to the Corporation Counsel—Edmund Kirby, Jr.
Chief Clerk—Andrew T. Campbell.
Brooklyn office, Borough Hall, 2d floor. Telephone, 2948 Main. James D Bell, Assistant in charge.

BUREAU OF STREET OPENINGS.

Main office, No. 90 West Broadway. Telephone, 5070 Barclay. Joel J. Squier, Assistant in charge.
Brooklyn branch office, No. 166 Montague street. Telephone, 3670 Main. Edward Riegelmann, Assistant in charge.
Queens branch office, Municipal Building, Court House Square, Long Island City. Telephone, 3010-11 Greenpoint. Joseph J. Myers, Assistant in charge.

BUREAU FOR THE RECOVERY OF PENALTIES.

No. 119 Nassau street. Telephone, 4526 Cortlandt. Herman Stiefel, Assistant in charge.

BUREAU FOR THE COLLECTION OF ARREARS OF PERSONAL TAXES.

No. 280 Broadway, 5th floor. Telephone, 4585 Worth. Geo. O'Reilly, Assistant in charge.

TENEMENT HOUSE BUREAU AND BUREAU OF BUILDINGS.

No. 44 East Twenty-third street. Telephone, 1961 Gramercy. John P. O'Brien, Assistant in charge.

METROPOLITAN SEWERAGE COMMISSION

Office, No. 17 Battery place. George A. Soper, Ph.D., President; James H. Fuertes, Secretary; H. de B. Parsons, Charles Sooysmith, Linsly R. Williams, M.D.
Office hours, 9 a. m. to 5 p. m.; Saturdays 9 a. m. to 12 m.
Telephone, 1694 Rector.

MUNICIPAL CIVIL SERVICE COMMISSION

No. 299 Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
James Creelman, President; Richard Welling and Alexander Keogh, Commissioners.
Frank A. Spencer, Secretary.

LABOR BUREAU.

Nos. 54-60 Lafayette street.
Telephone 2140 Worth.

MUNICIPAL EXPLOSIVES COMMISSION.

Nos. 157 and 159 East 67th street, Headquarters Fire Department.
Joseph Johnson, Fire Commissioner and ex-officio Chairman; Geo. O. Eaton, Sidney Harris, Peter P. Acritelli, J. Howard Wainwright.
R. S. Lundy. Secretary.
Meeting at call of Fire Commissioner.

POLICE DEPARTMENT.

CENTRAL OFFICE.

No. 240 Centre street, 9 a. m. to 5 p. m. (months of June, July and August, 9 a. m. to 4 p. m.); Saturdays, 9 a. m. to 12 m.
Telephone, 3100 Spring.
Rhinelander Waldo, Commissioner.
Douglas I. McKay, First Deputy Commissioner.
George S. Dougherty, Second Deputy Commissioner.
John J. Walsh, Third Deputy Commissioner.
James E. Dillon, Fourth Deputy Commissioner.
William H. Kipp, Chief Clerk.

PUBLIC SERVICE COMMISSION.

The Public Service Commission for the First District, Tribune Building, No. 154 Nassau street, Manhattan.
Office hours, 8 a. m. to 11 p. m., every day in the year, including holidays and Sundays.
Stated public meetings of the Commission, Tuesdays and Fridays at 12 m., in the Public Hearing Room of the Commission, third floor of the Tribune Building, unless otherwise ordered.
Commissioners—William R. Willcox, Chairman; William McCarroll, Milo R. Maltbie, John E. Eustis, J. Sergeant Cram. Counsel, George S. Coleman. Secretary, Travis H. Whitney.
Telephone, 4150 Beekman.

TENEMENT HOUSE DEPARTMENT.

Manhattan Office, No. 44 East Twenty-third street.
Telephone, 5331 Gramercy.
John J. Murphy, Commissioner.
Wm. H. Abbott, Jr., First Deputy Commissioner.
Brooklyn Office (Boroughs of Brooklyn, Queens and Richmond), branch office, No. 503 Fulton street.
Telephone, 3825 Main.
Frank Mann, Second Deputy Commissioner.
Bronx Office, No. 391 East 149th street, northwest corner of Melrose avenue and 149th street.
Telephone, 967 Melrose.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 1 p. m.

BOROUGH OFFICES.

BOROUGH OF MANHATTAN.

Office of the President, Nos. 14, 15 and 16 City Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
George McAneny, President.
Leo Arnstein, Secretary of the Borough.
Julian B. Beaty, Secretary to the President.
Edgar Vietor Frothingham, Commissioner of Public Works.
W. R. Patterson, Assistant Commissioner of Public Works.
Rudolph P. Miller, Superintendent of Buildings.
Robert B. Insley, Superintendent of Public Buildings and Offices.
Telephone, 6725 Cortlandt.

BOROUGH OF THE BRONX.

Office of the President, corner Third avenue and One Hundred and Seventy-seventh street; 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Cyrus C. Miller, President.
George Donnelly, Secretary.
Thomas W. Whittle Commissioner of Public Works.
James A. Henderson, Superintendent of Buildings.
Arthur J. Largy, Superintendent of Highways.
Roger W. Bligh, Superintendent of Public Buildings and Offices.
Telephone, 2680 Tremont.

BOROUGH OF BROOKLYN.

President's Office, Nos. 15 and 16 Borough Hall; 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Alfred E. Steers, President.
Reuben L. Haskell, Borough Secretary.
John B. Creighton, Secretary to the President.
Telephone, 3960 Main.
Lewis H. Pounds, Commissioner of Public Works.
John Thatcher, Superintendent of Buildings.
William J. Taylor, Superintendent of the Bureau of Sewers.
Howard L. Woody, Superintendent of the Bureau of Public Buildings and Offices.
Frederick Linde, Superintendent of Highways.

BOROUGH OF QUEENS.

President's Office, Borough Hall, Jackson avenue and Fifth street, Long Island City; 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1900 Greenpoint.
Lawrence Gresser, President.
John N. Booth, Secretary.
Walter H. Bunn, Commissioner of Public Works.
Emanuel Brandon, Superintendent of Highways.
John J. Simmons, Superintendent of Buildings.
Oliver Stewart Hardgrove, Superintendent of Sewers.
Arrow C. Hankins, Superintendent of Street Cleaning.
Joseph Sullivan, Superintendent of Public Buildings and Offices, Flushing. Telephone, 1740 Flushing.

BOROUGH OF RICHMOND.

President's Office, New Brighton, Staten Island.
George Cromwell, President.
Maybury Fleming, Secretary.
Louis Lincoln Tribus, Consulting Engineer and Acting Commissioner of Public Works.
John Seaton, Superintendent of Buildings.
H. E. Buel, Superintendent of Highways.
John T. Fetherston, Assistant Engineer and Acting Superintendent of Street Cleaning.
Ernest H. Seehusen. Superintendent of Sewers.
John Timlin, Jr., Superintendent of Public Buildings and Offices.
Offices, Borough Hall, New Brighton, N. Y., 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1000 Tompkinsville.

CORONERS.

Borough of The Bronx—Corner of Third avenue and Tremont avenue. Telephone, 1250 Tremont and 1402 Tremont.
A. F. Schwannecke, Jacob Shongut.
Borough of Brooklyn—Office, Rooms 1 and 3, Municipal Building. Telephone, 4004 Main and 4005 Main.
Alexander J. Rooney, Edward Glinnen, Coroners.
Open all hours of the day and night.
Borough of Manhattan—Office, Criminal Courts Building, Centre and White streets. Open at all times of the day and night.

Coroners: Israel L. Feinberg, Herman Hellenstein, James E. Winterbottom, Herman W. Holtzhauser.
Telephones, 1094, 5057, 5058 Franklin.
Borough of Queens—Office, Town Hall, Fulton street, Jamaica, L. I.
Alfred S. Ambler, G. J. Schaefer.
Office hours from 9 a. m. to 10 p. m., excepting Sundays and holidays; office open then from 9 a. m. to 12 m.
Borough of Richmond—No. 175 Second street, New Brighton. Open for the transaction of business all hours of the day and night.
William H. Jackson, Coroner.
Telephone, 7 Tompkinsville.

COUNTY OFFICES.

NEW YORK COUNTY.

COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Thomas Allison, Commissioner.
Frederick P. Simpson, Assistant Commissioner.
Telephone, 241 Worth.

COMMISSIONER OF RECORDS.

Office, Hall of Records.
William S. Andrews, Commissioner.
James O. Farrell, Deputy Commissioner.
Telephone, 3900 Worth.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
During the months of July and August the hours are from 9 a. m. to 2 p. m.

COUNTY CLERK.

Nos. 5, 8, 9, 10 and 11 New County Court House.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
William F. Schneider, County Clerk.
Charles E. Gehring, Deputy.
Herman W. Beyer, Secretary.
Telephone, 5388 Cortlandt.

DISTRICT ATTORNEY.

Building for Criminal Courts, Franklin and Centre streets.
Office hours from 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Charles S. Whitman, District Attorney.
Henry D. Sayer, Chief Clerk.
Telephone, 2304 Franklin.

PUBLIC ADMINISTRATOR.

No. 119 Nassau street, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
William M. Hoes, Public Administrator.
Telephone, 6376 Cortlandt.

REGISTER.

Hall of Records. Office hours, from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. During the months of July and August the hours are from 9 a. m. to 2 p. m.
Max S. Grifenhagen, Register.
William Halpin, Deputy Register.
Telephone, 3900 Worth.

SHERIFF.

No. 299 Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. Except during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
John S. Shea, Sheriff.
John B. Cartwright, Under Sheriff.
Telephone, 4984 Worth.

SURROGATES.

Hall of Records. Court open from 9 a. m. to 4 p. m., except Saturday, when it closes at 12 m. During the months of July and August the hours are from 9 a. m. to 2 p. m.
John P. Cohalan and Robert L. Fowler, Surrogates; William V. Leary, Chief Clerk.
Telephone, 3900 Worth.

KINGS COUNTY.

COMMISSIONER OF JURORS.

5 County Court-house.
Thomas R. Farrell, Commissioner.
Michael J. Trudden, Deputy Commissioner.
Office hours from 9 a. m. to 4 p. m.; Saturdays, from 9 a. m. to 12 m.
Office hours during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1454 Main.

COMMISSIONER OF RECORDS.

Hall of Records.
Office hours, 9 a. m. to 4 p. m., excepting months of July and August, then 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Charles H. Graff, Commissioner.
Telephone, 1114 Main.
Telephone, 1082 Main.

COUNTY CLERK.

Hall of Records, Brooklyn. Office hours, 9 a. m. to 4 p. m.; during months of July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Henry P. Molloy, County Clerk.
William J. Heffernan, Deputy County Clerk.
Telephone call, 4930 Main.

COUNTY COURT.

County Court House, Brooklyn, Rooms 1, 10, 14, 17, 18, 22 and 23. Court opens at 10 a. m. daily and sits until business is completed. Part I., Room No. 23; Part II., Room No. 10; Part III., Room No. 14; Part IV., Room No. 1, Court House. Clerk's office, Rooms 17, 18, 19 and 22, open daily from 9 a. m. to 5 p. m.; Saturdays, 12 m.
Norman S. Dike and Lewis L. Fawcett, County Judges.
Thomas F. Wogan, Deputy Clerk.
Telephone, 4154 and 4155 Main.

DISTRICT ATTORNEY.

Office, County Court-house, Borough of Brooklyn. Hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
John F. Clarke, District Attorney.
Telephone number, 2955-6-7 Main.

PUBLIC ADMINISTRATOR.

No. 44 Court street (Temple Bar), Brooklyn 9 a. m. to 5 p. m.
Charles E. Teale, Public Administrator.
Telephone, 2840 Main.

REGISTER.

Hall of Records. Office hours, 9 a. m. to 4 p. m., excepting months of July and August, then from 9 a. m. to 2 p. m., provided for by statute; Saturdays, 9 a. m. to 12 m.
Frederick Lundy, Register.
Owen J. Murphy, Deputy Register.
Telephone, 2830 Main.

SHERIFF.

Temple Bar Building, 186 Remsen street, Room 401, Brooklyn, N. Y.
9 a. m. to 4 p. m.; Saturdays, 12 m.
Patrick H. Quinn, Sheriff.
John Morrissey Gray, Under Sheriff.
Telephone, 6845, 6846, 6847 Main.

SURROGATE.

Hall of Records, Brooklyn, N. Y.
Herbert T. Ketcham, Surrogate.
John H. McCooey, Chief Clerk and Clerk of the Surrogate's Court.
Court opens at 10 a. m. Office hours, 9 a. m. to 4 p. m., except during months of July and August, when office hours are from 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3954 Main.

QUEENS COUNTY.

COMMISSIONER OF JURORS.

Office hours, 9 a. m. to 4 p. m.; July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.; Queens County Court-house, Long Island City.
George H. Creed, Commissioner of Jurors.
Rodman Richardson, Assistant Commissioner.
Telephone, 455 Greenpoint.

COUNTY CLERK.

No. 364 Fulton street, Jamaica, Fourth Ward Borough of Queens, City of New York.
Office open, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Martin Mager, County Clerk.
Telephone, 151 Jamaica.

COUNTY COURT.

County Court-house, Long Island City.
County Court opens at 10 a. m. Trial Terms begin first Monday of each month, except July, August and September. Special Terms each Saturday, except during August and first Saturday of September.
County Judge's office always open at No. 336 Fulton street, Jamaica, N. Y.
Burt J. Humphrey, County Judge.
Telephone, 551 Jamaica.

DISTRICT ATTORNEY.

Office, Queens County Court-house, Long Island City, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Fred. G. De Witt, District Attorney.
Telephone, 2986 and 2987 Greenpoint.

PUBLIC ADMINISTRATOR.

No. 17 Cook avenue, Elmhurst.
John T. Robinson, Public Administrator, County of Queens.
Office hours, 9 a. m. to 5 p. m.
Telephone, 335 Newtown.

SHERIFF.

County Court-house, Long Island City, 9 a. m. to 4 p. m.; during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Thomas M. Quinn, Sheriff.
John M. Phillips, Under Sheriff.
Telephone, 2741 and 2742 Greenpoint (office).
Henry O. Schleth, Warden.
Telephone, 372 Greenpoint.

SURROGATE.

Daniel Noble, Surrogate.
Office, No. 364 Fulton street, Jamaica.
Except on Sundays, holidays and half-holidays, the office is open from 9 a. m. to 4 p. m.; Saturdays, from 9 a. m. to 12 m. July and August, 9 a. m. to 2 p. m.
The calendar is called on each week day at 10 a. m., except during the month of August.
Telephone, 397 Jamaica.

RICHMOND COUNTY.

COMMISSIONER OF JURORS.

Village Hall, Stapleton.
Charles J. Kullman, Commissioner.
Office open from 9 a. m. until 4 p. m.; Saturdays, from 9 a. m. to 12 m.
Telephone, 81 Tompkinsville.

COUNTY CLERK.

County Office Building, Richmond, S. I., 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
C. Livingston Bostwick, County Clerk.
Telephone, 28 New Dorp.

COUNTY JUDGE AND SURROGATE.

Terms of Court, Richmond County, 1911:
County Court—Sidney Fuller Rawson, County Judge.
First Monday of April, Grand and Trial Jury.
First Monday of October, Grand and Trial Jury.
On Wednesdays of each week at Richmond (except during August) without a Jury.
Surrogate's Court—Sidney Fuller Rawson, Surrogate.
Court days: Mondays, at the Borough Hall, St. George, and Wednesdays, at the Surrogate's Office, Richmond, at 10.30 o'clock a. m., on which citations and orders are returnable, except during August, and except on days when Jury terms of County Court are held.
Telephones, 235 New Dorp and 1000 Tompkinsville.

DISTRICT ATTORNEY.

Borough Hall, St. George, S. I.
Albert C. Fach, District Attorney.
Telephone, 50 Tompkinsville.
Office hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

PUBLIC ADMINISTRATOR.

Office, Port Richmond.
William T. Holt, Public Administrator.
Telephone, 704 West Brighton.

SHERIFF.

County Court house, Richmond, S. I.
John J. Collins, Sheriff.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 120 New Dorp.

THE COURTS.

APPELLATE DIVISION OF THE SUPREME COURT.

FIRST JUDICIAL DEPARTMENT.

Court-house, Madison avenue, corner Twenty-fifth street. Court open from 2 p. m. until 6 p. m. (Friday, Motion day, Court opens at 10.30 a. m. Motions called at 10 a. m.
George L. Ingraham, Presiding Justice; Chester B. McLaughlin, Frank C. Laughlin, John Proctor Clarke, Francis M. Scott, Nathan L. Miller, Victor J. Dowling, Justices; Alfred Wagstaff, Clerk; William Lamb, Deputy Clerk.
Clerk's Office opens 9 a. m.
Telephone, 3840 Madison Square.

SUPREME COURT—FIRST DEPARTMENT.

County Court-house, Chambers street. Court open from 10.15 a. m. to 4 p. m.
Special Term, Part I. (motions), Room 16.
Special Term, Part II. (ex-parte business), Room No. 13.
Special Term, Part III., Room No. 19.
Special Term, Part IV., Room No. 20.
Special Term, Part V., Room No. 6.
Special Term, Part VI., Room No. 31.
Trial Term, Part II., Room No. 34.
Trial Term, Part III., Room No. 32.
Trial Term, Part IV., Room No. 21.
Trial Term, Part V., Room No. 24.
Trial Term, Part VI., Room No. 18.
Trial Term, Part VII., Room No. —.
Trial Term, Part VIII., Room No. 23.
Trial Term, Part IX., Room No. 35.
Trial Term, Part X., Room No. 26.
Trial Term, Part XI., Room No. 27.
Trial Term, Part XII., Room No. —.
Trial Term, Part XIII., and Special Term, Part VII., Room No. 36.
Trial Term, Part XIV., Room No. 28.
Trial Term, Part XV., Room No. 37.
Trial Term, Part XVI., Room No. —.
Trial Term, Part XVII., Room No. 20.
Trial Term, Part XVIII., Room No. 29.
Appellate Term, Room No. 29.
Naturalization Bureau, Room No. 38, third floor.
Assignment Bureau, room on mezzanine floor, northeast.
Clerks in attendance from 10 a. m. to 4 p. m.
Clerk's Office, Special Term, Part I. (motion), Room No. 15.
Clerk's Office, Special Term, Part II. (ex-parte business), ground floor, southeast corner.
Clerk's Office, Special Term, Calendar, ground floor, south.
Clerk's Office, Trial Term, Calendar, room northeast corner, second floor, east.
Clerk's Office, Appellate Term, room southwest corner, third floor.
Trial Term, Part I. (criminal business).
Criminal Court-house, Centre street.
Justices—Henry Bischoff, Leonard A. Giegerich, P. Henry Dugro, James Fitzgerald, James A. Blanchard, Samuel Greenbaum, Edward E. McCall, Edward B. Amend, Vernon M. Davis, Joseph E. Newburger, John W. Goff, Samuel Seabury, M. Warley Platzek, Peter A. Hendrick, John Ford, John J. Brady, Mitchell L. Erlanger, Charles L. Guy, James W. Gerard, Irving Lehman, Alfred R. Page, Edward J. Gavegan, Nathan Bijur, John J. Delany, Francis K. Pendleton, Daniel F. Cohalan.
Telephone, 4580 Cortlandt.

SUPREME COURT—SECOND DEPARTMENT.

Kings County Court-house, Borough of Brooklyn, N. Y.
Clerk's office hours, 9 o'clock a. m. to 5 o'clock p. m. Seven jury trial parts. Special Term for Trials. Special Term for Motions. Special Term *ex parte* business.
James F. McGee, General Clerk.
Telephone, 5460 Main.

CRIMINAL DIVISION—SUPREME COURT.

Building for Criminal Courts, Centre, Elm, White and Franklin streets.
Court opens at 10.30 a. m.
William F. Schneider, Clerk; Edward R. Carroll, Special Deputy to the Clerk.
Clerk's Office open from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 6064 Franklin.

COURT OF GENERAL SESSIONS.

Held in the Building for Criminal Courts, Centre, Elm, White and Franklin streets.
Court opens at 10.30 a. m.
Warren W. Foster, Thomas C. O'Sullivan, Otto A. Rosalsky, Thomas C. T. Crain, Edward Swann, Joseph F. Mulqueen, James T. Malone, Judges of the Court of General Sessions; Edward R. Carroll, Clerk. Telephone, 1201 Franklin.
William F. Schneider, Clerk, Supreme Court.
Clerk's Office open from 9 a. m. to 4 p. m.
During July and August Clerk's Office will close at 2 p. m., and on Saturdays at 12 m.

CITY COURT OF THE CITY OF NEW YORK.

No. 32 Chambers street, Brownstone Building, City Hall Park, from 10 a. m. to 4 p. m.
Special Term Chambers will be held from 10 a. m. to 4 p. m.
Clerk's Office open from 9 a. m. to 4 p. m.
Edward F. O'Dwyer, Chief Justice; Francis B. Delehanty, Joseph I. Green, Alexander Finelite, Thomas F. Donnelly, John V. McAvoy, Peter Schmuck, Richard T. Lynch, Edward B. La Fetra, Richard H. Smith, Justices. Thomas F. Smith, Clerk.
Telephone, 122 Cortlandt.

COURT OF SPECIAL SESSIONS.

Building for Criminal Courts, Centre street, between Franklin and White streets, Borough of Manhattan.
Court opens at 10 a. m.
Isaac Franklin Russell, Chief Justice; Willard H. Olmsted, Joseph M. Deuel, Lorenz Zeller, John B. Mayo, Franklin Chase Hoyt, Joseph F. Moss, Howard J. Forker, John Fleming, Robert J. Wilkin, George J. O'Keefe, Morgan M. L. Ryan, James J. McInerney, Arthur C. Salmon and Henry Steinert, Justices. Frank W. Smith, Chief Clerk.
Part I., Criminal Courts Building, Borough of Manhattan. John P. Hilly, Clerk. Telephone, 2092 Franklin.
Part II., County Court House, Room 7, Borough of Brooklyn. This part is held on Mondays, Thursdays and Fridays. Joseph L. Kerrigan, Clerk. Telephone, 4280 Main.
Part III., Town Hall, Jamaica, Borough of Queens. This part is held on Tuesdays. H. S. Moran, Clerk. Telephone, 189 Jamaica.
Part IV., Borough Hall, St. George, Borough of Richmond. This part is held on Wednesdays. Robert Brown, Clerk. Telephone, 49 Tompkinsville.

CHILDREN'S COURT.

New York County—No. 66 Third avenue, Manhattan. Ernest K. Coulter, Clerk. Telephone, 1832 Stuyvesant.
Kings County—No. 102 Court street, Brooklyn. Joseph W. Duffy, Clerk. Telephone, 627 Main.
Queens County—No. 19 Hardenbrook avenue, Jamaica. Sydney Ollendorff, Clerk. This court is held on Thursdays.
Richmond County—Corn Exchange Bank Bldg., St. George, S. I. William J. Browne, Clerk. This court is held on Tuesdays. Office open every day (except Sundays and holidays) from 9 a. m. to 4 p. m On Saturdays from 9 a. m. to 12 m.

CITY MAGISTRATES' COURT.

First Division.

Court opens from 9 a. m. to 4 p. m.
William McAdoo, Chief City Magistrate; Robert C. Cornell, Leroy B. Crane, Peter T. Barlow, Matthew P. Breen, Frederick B. House, Charles N. Harris, Frederic Kernochan, Arthur C. Butts, Joseph E. Corrigan, Moses Herrman, Paul Krotel, Keyran J. O'Connor, Henry W. Herbert, Charles W. Appleton, Daniel F. Murphy, John J. Freschi, Francis X. McQuade, City Magistrates.
Philip Bloch, Chief Clerk, 300 Mulberry street.
Telephone, 6213 Spring.
First District—Criminal Courts Building.
Second District—Jefferson Market.
Third District—Second avenue and First street.
Fourth District—No. 151 East Fifty-seventh street.
Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place.
Sixth District—One Hundred and Sixty-first street and Brook avenue.
Seventh District—No. 314 West Fifty-fourth street.
Eighth District—Main street, Westchester.
Ninth District (Night Court for Females)—125 Sixth avenue.
Tenth District (Night Court for Males)—No. 151 East Fifty-seventh street.
Eleventh District—Domestic Relations Court—No. 151 East Fifty-seventh street.

Second Division.

Borough of Brooklyn.
Otto Kempner, Chief City Magistrate; Edward J. Dooley, John Naumer, A. V. B. Voorhees, Jr., Alexander H. Geismar, John F. Hylan, Howard P. Nash, Moses J. Harris, Charles J. Dodd, John C. McGuire, Louis H. Reynolds, City Magistrates.
Office of Chief Magistrates, 44 Court street, Rooms 209-214. Telephone, 7411 Main.
William F. Delaney, Chief Clerk.
Archibald J. McKinney, Chief Probation Officer.

Courts.

First District—No. 318 Adams street.
Second District—Court and Butler streets.
Fourth District—No. 6 Lee avenue.
Fifth District—No. 249 Manhattan avenue.
Sixth District—No. 495 Gates avenue.
Seventh District—No. 31 Snider avenue (Flatbush).
Eighth District—West Eighth street (Coney Island).
Ninth District—Fifth avenue and Twenty-third street.
Tenth District—No. 133 New Jersey avenue.
Domestic Relations Court—Myrtle and Vanderbilt avenues.

Borough of Queens.

City Magistrates—Matthew J. Smith, Joseph Fitch, Maurice E. Connolly, Eugene C. Gilroy.

Courts.

First District—St. Mary's Lyceum, Long Island City.
Second District—Town Hall, Flushing, L. I.
Third District—Central avenue, Far Rockaway, L. I.
Fourth District—Town Hall, Jamaica, L. I.

Borough of Richmond.

City Magistrates—Joseph B. Handy, Nathaniel Marsh.

Courts.

First District—Lafayette avenue, New Brighton, Staten Island.
Second Division—Village Hall, Stapleton, Staten Island.
All Courts open daily for business from 9 a. m. to 4 p. m., except on Saturdays, Sundays and legal holidays, when only morning sessions are held.

MUNICIPAL COURTS.

Borough of Manhattan.

First District—The First District embraces the territory bounded on the south and west by the southerly and westerly boundaries of the said borough, on the north by the centre line of Fourteenth street and the centre line of Fifth street from the Bowery to Second avenue, on the east by the centre lines of Fourth avenue from Fourteenth street to Fifth street, Second avenue, Chrystie street, Division street and Catharine street.
Wauhope Lynn, William F. Moore, John Hoyer, Justices.
Thomas O'Connell, Clerk.
Location of Court—Merchants' Association Building, Nos. 54-60 Lafayette street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Additional Part is held at southwest corner of Sixth avenue and Tenth street.
Telephone, 6030 Franklin.
Second District—The Second District embraces the territory bounded on the south by the centre line of Fifth street from the Bowery to Second avenue and on the south and east by the southerly and easterly boundaries of the said borough, on the north by the centre line of East Fourteenth street, on the west by the centre lines of Fourth avenue from Fourteenth street to Fifth street, Second avenue, Chrystie street, Division street and Catharine street.
Benjamin Hoffman, Leon Sanders, Thomas P. Dinnean, Leonard A. Snitkin, Justices.
James J. Devlin, Clerk.
Location of Court—Nos. 264 and 266 Madison street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Telephone, 4300 Orchard.
Third District—The Third District embraces the territory bounded on the south by the centre line of Fourteenth street, on the east by the centre line of Seventh avenue from Fourteenth street to Fifty-ninth street and by the centre line of Central Park West from Fifty-ninth street to Sixty-fifth street, on the north by the centre line of Sixty-fifth street and the centre line of Fifty-ninth street from Seventh to Eighth avenue, on the west by the westerly boundary of the said borough.
Thomas E. Murray, Thomas F. Noonan, Justices.
Michael Skelly, Clerk.
Location of Court—No. 314 West Fifty-fourth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone number, 5450 Columbus.
Fourth District—The Fourth District embraces the territory bounded on the south by the centre line of East Fourteenth street, on the west by the centre line of Lexington avenue and by the centre line of Irving place, including its projection through Gramercy Park, on the north by the centre line of Fifty-ninth street, on the east by the easterly line of said borough; excluding, however, any portion of Blackwells Island.
Michael F. Blake, William J. Boyhan, Justices.
Abram Bernard, Clerk.
Location of Court—Part I. and Part II., No. 151 East Fifty-seventh street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Telephone, 3860 Plaza.
Fifth District—The Fifth District embraces the territory bounded on the south by the centre line of Sixty-fifth street, on the east by the centre line of Central Park West, on the north by the centre line of One Hundred and Tenth street, on the west by the westerly boundary of said borough.
Alfred P. W. Seaman, William Young, Frederick Spiegelberg, Justices.
John H. Servis, Clerk.
Location of Court—Southwest corner of Broadway and Ninety-sixth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Telephone, 4006 Riverside.
Sixth District—The Sixth District embraces the territory bounded on the south by the centre line of Fifty-ninth street and by the centre line of Ninety-sixth street from Lexington avenue to Fifth avenue, on the west by the centre line of Lexington avenue from Fifty-ninth street to Ninety-sixth street and the centre line of Fifth avenue from Ninety-sixth street to One Hundred and Tenth street, on the north by the centre line of One Hundred and Tenth street, on the east by the easterly boundary of said borough, including, however, all of Blackwells Island and excluding any portion of Wards Island.
Jacob Marks, Solomon Oppenheimer, Justices.
Edward A. McQuade, Clerk.
Location of Court—Northwest corner of Third avenue and Eighty-third street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4343 Lenox.
Seventh District—The Seventh District embraces the territory bounded on the south by the centre line of One Hundred and Tenth street, on the east by the centre line of Fifth avenue to the northerly terminus thereof, and north of the northerly terminus of Fifth avenue, following in a northerly direction the course of the Harlem River, on a line coterminous with the easterly boundary of said borough, on the north and west by the northerly and westerly boundaries of said borough.
Philip J. Sinnott, David L. Weil, John R. Davies, Justices.
John P. Burns, Clerk.
Location of Court—No. 70 Manhattan street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; July and August, 9 a. m. to 2 p. m.

Eighth District—The Eighth District embraces the territory bounded on the south by the centre line of One Hundred and Tenth street, on the west by the centre line of Fifth avenue, on the north and east by the northerly and easterly boundaries of said borough, including Randalls Island and the whole of Wards Island.

Joseph P. Fallon and Leopold Prince, Justices. William J. Kennedy, Clerk.

Location of Court—Sylvan place and One Hundred and Twenty-first street, rear Third avenue. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Telephone, 3950 Harlem.

Ninth District—The Ninth District embraces the territory bounded on the south by the centre line of Fourteenth street and by the centre line of Fifty-ninth street from the centre line of Seventh avenue to the centre line of Central Park West, on the east by the centre line of Lexington avenue and by the centre line of Irving place, including its projection through Gramercy Park, and by the centre line of Fifth avenue from the centre line of Ninety-sixth street to the centre line of One Hundred and Tenth street, on the north by the centre line of Ninety-sixth street from the centre line of Lexington avenue to the centre line of Fifth avenue and One Hundred and Tenth street from Fifth avenue to Central Park West, on the west by the centre line of Seventh avenue and Central Park West.

Edgar J. Lauer, Frederic De Witt Wells, Frank D. Sturges, William C. Wilson, Justices. William J. Chamberlain, Clerk.

Location of Court—Southwest corner of Madison avenue and Fifty-ninth street. Parts I. and II. Court opens at 9 a. m. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 3873 Plaza.

Borough of The Bronx.

First District—All that part of the Twenty-fourth Ward which was lately annexed to the City and County of New York by chapter 934 of the Laws of 1895, comprising all of the late Town of Westchester and part of the Towns of Eastchester and Pelham, including the Villages of Wakefield and Williamsbridge. Court-room, Town Hall, No. 1400 Williamsbridge road, Westchester Village. Court open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m. Trial of causes, Tuesday and Friday of each week.

Peter A. Sheil, Justice.

Stephen Collins, Clerk.

Office hours from 9 a. m. to 4 p. m.; Saturdays closing at 12 m.

Telephone, 457 Westchester.

Second District—Twenty-third and Twenty-fourth Wards, except the territory described in chapter 934 of the Laws of 1895. Court-room, southeast corner of Washington avenue and One Hundred and Sixty-second street. Office hours from 9 a. m. to 4 p. m. Court opens at 9 a. m. Sundays and legal holidays excepted.

John M. Tierney, Justice. Thomas A. Maher Clerk.

Telephone, 3043 Melrose.

Borough of Brooklyn.

First District—Comprising First, Second, Third Fourth, Fifth, Sixth, Tenth and Twelfth Ward and that portion of the Eleventh Ward beginning at the intersection of the centre lines of Hudson and Myrtle avenues, thence along the centre line of Myrtle avenue to North Portland avenue, thence along the centre line of North Portland avenue to Flushing avenue, thence along the centre line of Flushing avenue to Navy street, thence along the centre line of Navy street to Johnson street, thence along the centre line of Johnson street to Hudson avenue, and thence along the centre line of Hudson avenue to the point of beginning, of the Borough of Brooklyn.

Court-house, northwest corner State and Court streets. Parts I. and II.

Court-house, northwest corner of State and Court streets. Parts I. and II.

Eugene Conran, Justice. Edward Moran, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Second District—Seventh Ward and that portion of the Twenty-first and Twenty-third Wards west of the centre line of Stuyvesant avenue and the centre line of Schenectady avenue, also that portion of the Twentieth Ward beginning at the intersection of the centre lines of North Portland and Myrtle avenues, thence along the centre line of Myrtle avenue to Waverly avenue, thence along the centre line of Waverly avenue to Park avenue, thence along the centre line of Park avenue to Washington avenue, thence along the centre line of Washington avenue to Flushing avenue, thence along the centre line of Flushing avenue to North Portland avenue, and thence along the centre line of North Portland avenue to the point of beginning.

Court-room, No. 495 Gates avenue.

John R. Farrar, George Freifeld, Justices. Franklin B. Van Wart, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m., Sundays and legal holidays excepted. Saturdays, 8.45 a. m. to 12 m.

Telephone, 504 Bedford.

Third District—Embraces the Thirteenth, Fourteenth, Fifteenth, Sixteenth, Seventeenth, Eighteenth and Nineteenth Wards, and that portion of the Twenty-seventh Ward lying northwest of the centre line of Starr street between the boundary line of Queens County and the centre line of Central avenue, and northwest to the centre line of Suydam street between the centre lines of Central and Bushwick avenues, and northwest of the centre line of Willoughby avenue between the centre lines of Bushwick avenue and Broadway. Court-house, Nos. 6 and 8 Lee avenue, Brooklyn.

Court-house, Nos. 6 and 8 Lee avenue, Brooklyn.

Philip D. Meagher and William J. Bogenshutz, Justices. John W. Carpenter, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m. Sundays and legal holidays excepted.

Court opens at 9 a. m.

Telephone, 995 Williamsburg.

Fourth District—Embraces the Twenty-fourth and Twenty-fifth Wards, that portion of the Twenty-first and Twenty-third Wards lying east of the centre line of Stuyvesant avenue and east of the centre line of Schenectady avenue, and that portion of the Twenty-seventh Ward lying southeast of the centre line of Starr street between the boundary line of Queens and the centre line of Central avenue and southeast of the centre line of Suydam street between the centre lines of Central and Bushwick avenues, and southeast of the centre line of Willoughby avenue between the centre lines of Bushwick avenue and Broadway.

Court-room, No. 14 Howard avenue.

Jacob S. Strahl, Justice. Joseph P. McCarthy, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Fifth District—Contains the Eighth, Thirtieth and Thirty-first Wards, and so much of the Twenty-second Ward as lies south of Prospect avenue.

Court-house, northwest corner of Fifty-third street and Third avenue (No. 5220 Third avenue).

Cornelius Furgueson, Justice. Jeremiah J. O'Leary, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Telephone, 407 Bay Ridge.

Sixth District—The Sixth District embraces the Ninth and Twenty-ninth Wards and that portion of the Twenty-second Ward north of the centre line of Prospect avenue; also that portion of the Eleventh and the Twentieth Wards beginning at the intersection of the centre lines of Bridge and Fulton streets; thence along the centre line of Fulton street to Flatbush avenue; thence along the centre line of Flatbush avenue to Atlantic avenue; thence along the centre line of Atlantic avenue to Washington avenue; thence along the centre line of Washington avenue to Park avenue; thence along the centre line of Park avenue to Waverly avenue; thence along the centre line of Waverly avenue to Myrtle avenue; thence along the centre line of Myrtle avenue to Hudson avenue; thence along the centre line of Hudson avenue to Johnson street; thence along the centre line of Johnson street to Bridge street, and thence along the centre line of Bridge street to the point of beginning.

Lucien S. Bayliss and W. Seward Shanahan, Justices. William R. Fagan, Clerk.

Court-house, No. 236 Duffield street.

Telephone, 6166-J Main.

Seventh District—The Seventh District embraces the Twenty-sixth, Twenty-eighth and Thirty-second Wards.

Alexander S. Rosenthal and Edward A. Richards, Justices. Samuel F. Brothers, Clerk.

Court-house, corner Pennsylvania avenue and Fulton street (No. 31 Pennsylvania avenue).

Clerk's Office open from 8.45 a. m. to 4 p. m. Saturdays, 9 a. m. to 12 m. Trial days, Tuesdays, Wednesdays, Thursdays and Fridays. During July and August, 8.45 a. m. to 2 p. m.

Telephones, 904 and 905 East New York.

Borough of Queens.

First District—Embraces the territory bounded by and within the canal, Rapelye avenue, Jackson avenue, Old Bowery Bay road, Bowery Bay, East river and Newtown creek. Court-room, St. Mary's Lyceum, Nos. 115 and 117 Fifth street, Long Island City.

Clerk's Office open from 9 a. m. to 4 p. m. each day, excepting Saturdays, closing at 12 m. Trial days, Mondays, Wednesdays and Fridays. All other business transacted on Tuesdays and Thursdays.

Thomas C. Kadien, Justice. John F. Cassidy, Clerk.

Telephone, 2376 Greenpoint.

Second District—Embraces the territory bounded by and within Maspeth avenue, Maurice avenue, Calamus road, Long Island Railroad, Trotting Course lane, Metropolitan avenue, boundary line between the Second and Fourth Wards, boundary line between the Second and Third Wards, Flushing creek, Ireland Mill road, Lawrence avenue, Bradford avenue, Main street, Union street, Broadway, Parsons avenue, Lincoln street, Percy street, Sanford avenue, Murray lane, Bayside avenue, Little Bayside road, Little Neck bay, East river, Bowery bay, Old Bowery Bay road, Jackson avenue, Rapelye avenue, the canal and Newtown creek. Court-room in Court-house of the late Town of Newtown, corner of Broadway and Court street, Elmhurst, New York. P. O. Address, Elmhurst, Queens County, New York.

John M. Cragen, Justice. J. Frank Ryan, Clerk.

Trial days, Tuesdays and Thursdays.

Fridays for Jury trials only.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Telephone, 87 Newtown.

Third District—Embraces the territory bounded by and within Maspeth avenue, Maurice avenue, Calamus road, Long Island Railroad, Trotting Course lane, Metropolitan avenue, boundary line between the Second and Fourth Wards, Vandeveer avenue, Jamaica avenue, Shaw avenue, Atlantic avenue, Morris avenue, Rockaway road, boundary line between Queens and Nassau counties, Atlantic Ocean, Rockaway Inlet, boundary line between Queens and Kings counties and Newtown creek.

Alfred Denton, Justice. John H. Nuhn, Clerk. 1908 and 1910 Myrtle avenue, Glendale.

Telephone, 2352 Bushwick.

Clerk's Office open from 9 a. m. to 4 p. m.

Trial days, Tuesdays and Thursdays (Fridays for Jury trials only), at 9 a. m.

Fourth District—Embraces the territory bounded by and within the boundary line between the Second and Fourth Wards, the boundary line between the Second and Third Wards, Flushing creek, Ireland Mill road, Lawrence avenue, Bradford avenue, Main street, Lincoln street, Union street, Broadway, Parsons avenue, Lincoln street, Percy street, Sanford avenue, Murray lane, Bayside avenue Little Bayside road, Little Neck bay, boundary line between Queens and Nassau counties, Rockaway road, Morris avenue, Atlantic avenue, Shaw avenue, Jamaica avenue and Vandeveer avenue.

Court-house, Town Hall, northeast corner of Fulton street and Flushing avenue, Jamaica.

James F. McLaughlin, Justice. George W. Damon, Clerk.

Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Court held on Mondays, Wednesdays and Fridays at 9 a. m.

Telephone, 1654 Jamaica.

Borough of Richmond.

First District—First and Third Wards (Towns of Castleton and Northfield). Court-room, former Village Hall, Lafayette avenue and Second street, New Brighton.

Thomas C. Brown, Justice. Thomas E. Cremins, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m. Telephone, 503 Tompkinsville.

Second District—Second, Fourth and Fifth Wards (Towns of Middletown, Southfield and Westfield). Court-room, former Edgewater Village Hall, Stapleton.

Arnold J. B. Wedemeyer, Justice. William Wedemeyer, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m.

Court opens at 9 a. m. Calendar called at 9 a. m. Court continued until close of business. Trial days, Mondays, Wednesdays and Fridays.

Telephone, 313 Tompkinsville

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT.

NOTICE.

PURSUANT TO SECTION 90 OF THE RAILroad Law the Public Service Commission for the First District hereby gives notice to the Sea Beach Railway Company, The City of New York, and to all owners of land adjoining said railroad in that part of 8th avenue to be opened or extended from 61st street to 62d street, in the Borough of Brooklyn, City of New York, that the Public Service Commission for the First District will hold a public hearing in its hearing room, 154 Nassau street, Borough of Manhattan, City of New York, on October 3, 1911, at 2.30 o'clock in the afternoon, for the purpose of hearing an application made by The City of New York to the Public Service Commission for the First District to determine whether 8th avenue as extended shall pass over or under or at grade of the tracks of the Sea Beach Railway Company and to determine the manner and method of constructing 8th avenue across said railroad tracks, the grade or grades of the street and such other matters pertaining thereto as may be brought before the Commission under the provisions of the Railroad Law.

Dated New York, September 12, 1911.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by TRAVIS H. WHITNEY, Secretary. s18,22

CHANGE OF GRADE DAMAGE COMMISSION.

TWENTY-THIRD AND TWENTY-FOURTH WARDS.

PURSUANT TO THE PROVISIONS OF chapter 537 of the Laws of 1893 and the acts amendatory thereof and supplemental thereto, notice is hereby given that meetings of the Commissioners appointed under said acts will be held at the office of the Commission, Room 223, 280 Broadway (Stewart Building), Borough of Manhattan, New York City, on Mondays, Tuesdays, and Thursdays of each week, at 2 o'clock p. m., until further notice.

Dated New York City, July 26, 1911.

WILLIAM D. DICKEY, CAMBRIDGE LIVINGSTON, DAVID ROBINSON, Commissioners.

LAMONT MCLAUGHLIN, Clerk.

BOARD MEETINGS.

Board of Aldermen.

The Board of Aldermen meets in the Aldermanic Chamber, City Hall, every Tuesday, at 1.30 o'clock p. m.

P. J. SCULLY, City Clerk and Clerk to the Board of Aldermen.

Board of Estimate and Apportionment.

The Board of Estimate and Apportionment meets in the Old Council Chamber (Room 16), City Hall, every Thursday, at 10.30 o'clock a. m.

JOSEPH HAAG, Secretary.

Commissioners of Sinking Fund.

The Commissioners of the Sinking Fund meet in the Meeting Room (Room 16), City Hall, on Wednesdays, at 11 a. m., at call of the Mayor.

HENRY J. WALSH, Deputy Chamberlain, Secretary.

Board of Revision of Assessments.

The Board of Revision of Assessments meets in the Meeting Room (Room 16), City Hall, every Friday, at 11 a. m., upon notice of the Chief Clerk.

JOHN KORB, JR., Chief Clerk.

Board of City Record.

The Board of City Record meets in the City Hall, at call of the Mayor.

DAVID FERGUSON. Supervisor, Secretary.

NORMAL COLLEGE OF THE CITY OF NEW YORK.

NORMAL COLLEGE OF THE CITY OF NEW YORK. BOARD OF TRUSTEES.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the Department of Education Building, corner of Park ave. and 59th st., Borough of Manhattan, until 3 o'clock p. m., on

TUESDAY, SEPTEMBER 19, 1911,

Borough of Manhattan,

FOR THE GENERAL CONSTRUCTION, ETC. (CONTRACT NO. 2), FOR THE FIRST PORTION OF THE NEW NORMAL COLLEGE BUILDING (THOMAS HUNTER HALL), ON THE WESTERLY SIDE OF LEXINGTON AVE., BETWEEN 68TH AND 69TH STS., BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be 300 working days, as provided in the contract.

The amount of security required is $150,000.

Bids will be compared and the contract will be awarded in a lump sum to the lowest bidder.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent of School Buildings, at Estimating Room, 9th floor, Hall of the Board of Education Building, corner Park ave. and 59th st., Borough of Manhattan.

EGERTON L. WINTHROP, JR., Chairman, Board of Trustees; JEREMIAH T. MAHONEY, Chairman; GEORGE J. GILLESPIE, GEORGE S. DAVIS, President of the Normal College, Sub. Com. on New Buildings, Normal College.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated August 31, 1911. s8,19

☞ **See General Instructions to Bidders on the last page, last column, of the "City Record."**

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, SEPTEMBER 19, 1911.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

TUESDAY, SEPTEMBER 19, 1911, until TUESDAY, OCTOBER 3, 1911,

for the position of

DEPUTY MEDICAL SUPERINTENDENT OF HOSPITALS AND FARM COLONY.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 p. m., Tuesday, October 3, 1911, will be accepted.

The examination will be held on Thursday, November 2, 1911, at 10 a. m.

The subjects and weights of the examination are as follows: Technical, 5; Experience, 5.

The percentage required is 75 on the Technical paper and 70 on all.

Candidates must be licensed to practice medicine in the State of New York.

Candidates must have been licensed to practice medicine for a period of not less than five years and during that period must have had at least three years' hospital experience.

The requirement that all applicants shall be residents of the State of New York is waived for this examination.

The requirement that vouchers shall be residents of the City of New York is waived for this examination, and applications bearing the certificates of four persons resident or engaged in business elsewhere will be accepted.

Salary $1,000. Vacancies, none at present.

Minimum age, 21 years.

F. A. SPENCER, Secretary. s19,03

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, SEPTEMBER 19, 1911.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

TUESDAY, SEPTEMBER 19, 1911, until TUESDAY, OCTOBER 3, 1911,

for the positions of

GENERAL MEDICAL SUPERINTENDENT AND MEDICAL SUPERINTENDENT.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 p. m., Tuesday, October 3, 1911, will be accepted.

The examination will be held on Tuesday, October 31, 1911, at 10 a. m.

The subjects and weights of the examination are as follows: Technical, 5; Experience, 5.

The percentage required is 75 on the Technical paper and 70 on all.

Candidates must be licensed to practice medicine in the State of New York.

Candidates must have been licensed to practice medicine for a period of not less than ten years and during that period must have had at least five years' hospital experience.

The requirement that all applicants shall be residents of the State of New York is waived for this examination.

The requirement that vouchers shall be residents of the City of New York is waived for this examination, and applications bearing the certificates of four persons resident or engaged in business elsewhere will be accepted.

Salary: General Medical Superintendent, $5,000; Medical Superintendent, $3,000 to $4,000.

Vacancies, none at present.

Minimum age, 21 years.

F. A. SPENCER, Secretary. s19,03

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, SEPTEMBER 18, 1911.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

MONDAY, SEPTEMBER 18, UNTIL 4 P. M., MONDAY, OCTOBER 2, 1911,

for the position of

CORONER'S PHYSICIAN.

No application delivered at the office of the Commission by mail or otherwise after 4 p. m. on Monday, October 2, 1911, will be accepted.

The examination will be held on Tuesday, October 24, 1911, at 10 a. m.

The subjects and weights of the examination are as follows: Technical, 6; Experience, 4.

The percentage required is 75 on the Technical paper and 70 on all.

Candidates must be licensed to practice medicine in the State of New York.

Salary, $3,000 per annum. Vacancies, none at present.

Minimum age, 25 years.

F. A. SPENCER, Secretary. s18,02

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, SEPTEMBER 16, 1911.

PUBLIC NOTICE IS HEREBY GIVEN OF the proposed amendment of the Municipal Civil Service Rules by adding to the third paragraph of subdivision 1 of Rule XI. (Certification and Appointment) the following:

"The appointing officer shall make selection, with reference solely to merit and fitness, from the three names certified, unless objection shall be made, and sustained by the Commission, to one or more of the persons named, for any of the reasons stated in paragraph 14 of Rule VII., in which case the certification of three names shall be completed by addition of the name or names next following upon the eligible list. If there be more than one vacancy to be filled, or if the Commission has reason to anticipate declinations, it may supplement the certification for the first selection by the addition of names of those next in order on the list; provided that selections shall be made singly and in each case from the three highest names remaining eligible and those only who have been actually entitled to consideration for selection shall be credited with certifications. In any such case the reasons for such action shall be stated in the minutes."

A public hearing will be allowed, at the request of any interested person, at the Commission's offices, 299 Broadway, on

WEDNESDAY, SEPTEMBER 20, 1911,

at 10 a. m.

F. A. SPENCER, Secretary. s16,19

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, SEPTEMBER 16, 1911.

PUBLIC NOTICE IS HEREBY GIVEN OF the proposed amendment to the Municipal Civil Service Classification, by striking from the Non-competitive Class, under the heading "Positions in the Department of Street Cleaning, at compensations not exceeding the amounts set forth below, without maintenance, the following:

SCOWMAN, $2.50 PER DAY,"

—and including in Part II. of the Labor Class, the title

SCOWMAN.

A public hearing will be allowed at the request of any interested person at the Commission's offices, 299 Broadway, on

WEDNESDAY, SEPTEMBER 20, 1911,

at 10 a. m.

F. A. SPENCER, Secretary. s16,19

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, SEPTEMBER 15, 1911.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

FRIDAY, SEPTEMBER 15, until 4 p. m. FRIDAY, SEPTEMBER 29, 1911,

for the position of

INSPECTOR OF SEWER CONSTRUCTION.

No application delivered at the office of the Commission, by mail or otherwise, after 4 p. m., September 29 will be accepted.

A physical examination will precede the mental.

The date of the examination will be announced later.

The subjects and weights of the examination are as follows: Technical, 5; Experience, 2; Mathematics, 1; Report, 2.

The percentage required is 75 on the technical paper and 70 on all.

Vacancies, none at present. Salary, $4 per day.

Minimum age, 21 years; maximum age, 50 years.

F. A. SPENCER, Secretary. s15,29

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, SEPTEMBER 12, 1911.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

TUESDAY, SEPTEMBER 12, until 4 p. m., TUESDAY, SEPTEMBER 26, 1911,

for the position of

DEPUTY SUPERINTENDENT (LAY) OF HOSPITALS.

No application delivered at the office of the Commission, by mail or otherwise, after 4 p. m. Tuesday, September 26, will be accepted.

The examination will be held on Friday, October 20, 1911, at 10 o'clock a. m.

The subjects and weights of the examination are as follows: Technical, 5; Experience, 5.

The percentage required is 75 on Technical and 70 on all.

Candidates will be required to display a knowledge of the administration, management and care of hospitals.

Vacancies, 1.

Salary, $1,000 to $1,200 per annum.

Minimum age, 21 years.

FRANK A. SPENCER, Secretary. s12,26

MUNICIPAL CIVIL SERVICE COMMISSION, 299 BROADWAY, NEW YORK, SEPTEMBER 6, 1911.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received from

WEDNESDAY, SEPTEMBER 6, 1911, UNTIL 4 P. M. WEDNESDAY, SEPTEMBER 20, 1911.

for the position of

MEDICAL INSPECTOR.

No application delivered at the office of the

Commission, by mail or otherwise, after 4 p. m. September 20, 1911, will be accepted.

A physical examination will precede the mental.

The dates of examination will be announced later.

The subjects and weights of the examination are as follows: Technical, 6; experience, 4.

The percentage required is 75 on the technical paper and 70 on all.

Candidates must be licensed to practice medicine in the State of New York.

Vacancies: Four (4) in Department of Health. Salary: $1,200 per annum. Minimum age: 21 years.

FRANK A. SPENCER, Secretary.
s6,20

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1903, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity, at the above office, until 2 o'clock p. m., on

WEDNESDAY, SEPTEMBER 27, 1911,

Boroughs of Manhattan and The Bronx.

FOR FURNISHING, DELIVERING AND INSTALLING A FORCED DRAFT SYSTEM, WITH ALL APPURTENANCES COMPLETE, IN THE NINETY-EIGHTH STREET PUMPING STATION, BOROUGH OF MANHATTAN.

The time allowed for doing and completing the work is sixty (60) working days.

The security required is Seven Hundred Dollars ($700).

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule, by which the bids will be tested.

The bids will be compared, and award made to the lowest bidder in the lump or aggregate sum.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department, Room 1903, 13 to 21 Park row, Borough of Manhattan, where any further information desired may be obtained.

HENRY S. THOMPSON, Commissioner.
Dated September 13, 1911. s15,27

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1903, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity, at the above office, until 2 o'clock p. m. on

WEDNESDAY, SEPTEMBER 20, 1911,

Boroughs of Manhattan and The Bronx.

FOR FURNISHING, DELIVERING AND LAYING WATER MAINS AND APPURTENANCES AND REMOVING AND RELAYING WATER MAINS AND APPURTENANCES IN JEROME AVENUE, BOROUGH OF THE BRONX.

The time allowed for doing and completing the entire work is one hundred and fifty (150) working days.

The security required is Fifteen Thousand Dollars ($15,000).

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule by which the bids will be tested. The bids will be compared and award made for all the work, articles, materials and supplies contained in the specifications or schedule attached thereto.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department, Room 1903, 13 to 21 Park row, Borough of Manhattan, where any further information desired may be obtained.

HENRY S. THOMPSON, Commissioner.
Dated September 5, 1911. s8,20

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1904, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m., on

WEDNESDAY, OCTOBER 4, 1911,

Borough of Brooklyn.

FOR FURNISHING THE MATERIALS AND LABOR REQUIRED FOR ALTERATIONS, REPAIRS AND IMPROVEMENTS AT VARIOUS PUMPING STATIONS.

The time allowed for doing and completing the work on each section, or on all sections, is one hundred and fifty (150) working days.

The amount of security required is as follows:
Section 1. Five Thousand Dollars ($5,000).
Section 2. Five Thousand Dollars ($5,000).
Section 3. Five Thousand Dollars ($5,000).
Section 4. Eight Thousand Dollars ($8,000).

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule, by which the bids will be tested. Bids will be received for each section singly, or for all sections, but in comparing the bids, the bids for each section will be compared separately and the contract awarded by sections.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor, at the office of the Department, Room 1904, 13 to 21 Park Row, Borough of Manhattan, where any further information desired may be obtained.

HENRY S. THOMPSON, Commissioner.
Dated August 28, 1911. s1,o4.

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF FINANCE.

Notices of Sale.

NOTICE OF CONTINUATION OF THE BRONX TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of The Bronx, as to liens remaining unsold at the termination of sales of February 6, 20; March 6, April 10, May 1, May 15, May 29, June 19, July 10 and September 11, 1911, has been continued to

MONDAY, NOVEMBER 13, 1911.

at 10 o'clock a. m., pursuant to section 1028 of the Greater New York Charter, and will be continued at that time in the Coroner's Court Room, Bronx Building, 531 Tremont ave., in the Borough of The Bronx, in The City of New York.

DANIEL MOYNAHAN, Collector of Assessments and Arrears.
Dated September 11, 1911. s12,n13

NOTICE OF CONTINUATION 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 sales of July 27; August 3, 24; September 7, 21; October 5, 19; November 2, 16, 30; December 14 and 28, 1910; January 11, 25; February 8; March 1, 15, 29; April 5, 19, 26; May 10; June 14, 21, 28, July 12, 1911, and September 6, 1911, has been continued to

WEDNESDAY, OCTOBER 18, 1911.

at 2 p. m. pursuant to section 1028 of the Greater New York Charter, and will be continued at that time in Room 2, Borough Hall, Borough of Brooklyn, as heretofore.

DANIEL MOYNAHAN, Collector of Assessments and Arrears.
Dated September 6, 1911. s7,o18

Notice to Taxpayers.

DEPARTMENT OF FINANCE, BUREAU FOR THE COLLECTION OF TAXES, NEW YORK, SEPTEMBER 6, 1911.

NOTICE TO TAXPAYERS.

TAXPAYERS WHO DESIRE TO OBTAIN their bills promptly should make immediate written requisition (blanks may be procured in the Borough offices), stating their property by section or ward, block and lot or map number, making copy of same from their bills of last year. The requisition must show the interest of the applicant in the property.

If a taxpayer is assessed for personal tax, the requisition should also request bill for such tax.

Each requisition should be accompanied by an envelope bearing the proper address of the applicant, AND WITH RETURN POSTAGE PREPAID, otherwise bills will not be mailed.

In case of any doubt in regard to ward, section, block or lot number, taxpayers should take their deeds to the Department of Taxes and Assessments and have their property located on the maps of that Department, and forward to the Deputy Receiver of Taxes, with the requisition, a certified memorandum of their property, which will be furnished by the Department of Taxes and Assessments.

Taxpayers in this manner will receive their bills returned by mail at the earliest possible moment, and avoid any delay caused by waiting in lines, as required in case of personal application.

The requisition must be addressed and mailed to the Deputy Receiver of Taxes in whichever Borough the property is located, as follows:

Borough of Manhattan, 57 Chambers street.
Borough of The Bronx, Municipal Building, corner 3d and Tremont avenues.
Borough of Brooklyn, Municipal Building.
Borough of Queens, Court Square, Long Island City.
Borough of Richmond, St. George, Staten Island.

After receiving the bills, the taxpayer will draw a check for the amount to the ORDER OF THE RECEIVER OF TAXES and mail bill and check, with an addressed envelope, with the return postage prepaid, to the Deputy Receiver in whichever Borough the property is located.

NO REBATES ALLOWED.

Checks should be mailed as soon as possible after the bills have been received by the taxpayer, and must be drawn on New York exchanges.

FRED H. E. EBSTEIN, Receiver of Taxes.
s8,20

Sureties on Contracts.

UNTIL FURTHER NOTICE SURETY COMpanies will be accepted as sufficient upon the following contracts to the amounts named:

Supplies of Any Description, Including Gas and Electricity.

One company on a bond up to $50,000.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated September 16, 1907.

Construction.

One company on a bond up to $25,000.

Including regulating, grading, paving, sewers, maintenance, dredging, construction of parks, parkways, docks, buildings, bridges, tunnels, aqueducts, repairs, heating, ventilating, plumbing, etc., etc.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated September 16, 1907.

Asphalt, Asphalt Block and Wood Block Pavements.

Two companies will be required on any and every bond up to amount authorized by letter of Comptroller to the surety companies, dated September 16, 1907.

Dated January 3, 1910.

WILLIAM A. PRENDERGAST, Comptroller.

Interest on City Bonds and Stock.

THE INTEREST DUE ON NOVEMBER 1, 1911, on registered bonds and stock of The City of New York, and of the former corporations now included therein, will be paid on that day by the Comptroller at his office (Room 85) in the Stewart Building, corner of Broadway and Chambers st., in the Borough of Manhattan.

The coupons that are payable in New York or in London for the interest due on November 1, 1911, on assessment bonds and corporate stock of The City of New York, will be paid on that day, at the option of the holders thereof, either at the office of the Guaranty Trust Company, 28 and 30 Nassau st., New York City, in United States money, or at the office of Messrs. Seligman Brothers, 18 Austin Friars, London, E. C., England, in sterling, at the rate of $4.8780 to the pound.

The coupons that are payable only in New York for interest due on November 1, 1911, on bonds and stock of the present and former City of New York, and of former corporations now included in The City of New York, except the former County of Queens, will be paid on that day at the office of the said Guaranty Trust Company.

The coupons that are payable on November 1, 1911, for interest on bonds issued by the former County of Queens, will be paid on that day at the Queens County Bank, Branch of the Corn Exchange Bank, Borden ave. and Front st., Long Island City.

The books for the transfer of bonds and stock on which interest is payable November 1, 1911, will be closed from October 10 to November 1, 1911.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, September 15, 1911. s18,n1

INTEREST ON CITY BONDS AND STOCK.

THE INTEREST DUE ON OCTOBER 1, 1911, on Registered Bonds and Stock of The City of New York, and of former corporations now included therein, will be paid on October 2, 1911, by the Comptroller at his office (Room 85) in the Stewart Building, corner of Broadway and Chambers st., in the Borough of Manhattan.

The interest due on October 1, 1911, on the Coupon Bonds and Stock of the present and former City of New York, and of former corporations now included therein, except the former County of Queens, will be paid on October 2, 1911, at the office of the Guaranty Trust Co., 28 and 30 Nassau st.

The Coupons that are payable on October 1, 1911, for interest on bonds issued by the former County of Queens, will be paid on October 2, 1911, at the Queens County Bank, Branch of the Corn Exchange Bank, Borden ave. and Front st., Long Island City.

The books for the transfer of bonds and stock on which interest is payable on October 1, 1911, will be closed from September 15 to October 2, 1911.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, August 31, 1911. s1,o2.

Notices to Property Owners.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

TWENTY-THIRD WARD, SECTION 9.

SHERIDAN AVENUE — REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND PLACING FENCES, from E. 165th st. to 169th st. Area of assessment: Both sides of Sheridan ave., from 165th st. to 169th st., and to the extent of half the block at the intersecting streets.

TWENTY-THIRD WARD, SECTION 10.

SIMPSON STREET—SEWER, between E. 167th st. and a point about 251 feet southerly therefrom. Area of assessment affects Blocks 2726 and 2727.

TINTON AVENUE—PAVING THE ROADWAY AND SETTING CURB, from Southern Boulevard to 149th st. Area of assessment: Both sides of Tinton ave., from Southern boulevard to 149th st., and to the extent of half the block at the intersecting streets.

TWENTY-FOURTH WARD, SECTION 12.

EAST TWO HUNDRED AND FOURTH STREET—RECEIVING BASIN and appurtenances, north side, at the approach to the Grand Boulevard and Concourse at Valentine ave. Area of assessments affects Block 3311.

—that the same were confirmed by the Board of Assessors on September 12, 1911, and entered September 12, 1911, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this Act."

Section 159 of this Act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of 177th st. and 3d ave., Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before November 11, 1911, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, September 12, 1911. s18,28

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF MANHATTAN:

EIGHTEENTH WARD, SECTION 3.

WEST TWENTY-SECOND STREET—RESTORING ASPHALT PAVEMENT in front of 20 to 26. Area of assessment: South side of 22d st. between 5th and 6th aves., known as Lot 55, in Block 823.

TWELFTH WARD, SECTION 7.

ONE HUNDRED AND FORTY-SECOND STREET—RESTORING ASPHALT PAVEMENT at the southwest corner of Lenox ave. Area of assessment: Southwest corner of Lenox ave. and 142d st., known as Lot 36 in Block 2010.

The above assessments were certified to the Collector of Assessments and Arrears, under the provision of section 391 of the Greater New York Charter.

—that the same were entered on September 13, 1911, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this Act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room H, 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before November 11, 1911, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, September 12, 1911. s18,28

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF MANHATTAN:

NINETEENTH WARD, SECTION 5.

EAST EIGHTY-FIRST STREET—PAVING AND CURBING, from East End ave. to the retaining wall at the East River. Area of Assessment: Extends 100 feet north and south of 81st st. along the easterly side of East End ave. (Avenue B).

TWELFTH WARD, SECTION 7.

ONE HUNDRED AND TWENTY-NINTH STREET AND SEVENTH AVENUE—RECEIVING BASIN, at the northeast corner. Area of assessments affects south side of 129th st. between 7th and 8th aves., and west side of 7th ave. between 128th and 129th sts.

—that the same were confirmed by the Board of Assessors on September 12, 1911, and entered on September 12, 1911, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room H, 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before November 11, 1911, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, September 13, 1911. s18,28

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF RICHMOND:

FIRST WARD.

CHERRY LANE—CONSTRUCTING CURB AND GUTTERS, both sides, between Manor road and Jewett ave. Area of assessments affects property in District 6, Plot 4, Blocks 1, 3, 4, 5; Plot 2, Blocks 2 and 6.

SECOND WARD.

CONSTRUCTING A TEMPORARY SANITARY SEWER in TODT HILL ROAD, from Richmond turnpike to Schmidt's lane, and in HOUSMAN AVENUE, from Todt Hill road to a point about 1,310 feet easterly. Area of assessment affects property in the Second Ward, Plots 22, 23 and 29.

CONSTRUCTING A TEMPORARY COMBINED SEWER in JOHN STREET, from Osgood ave. to Prince st., and in PRINCE STREET, from John st. to a point about 100 feet north of Vanderbilt ave. Area of assessments affects property in Sewerage District 3-C, Second Ward, Plot 7.

THIRD WARD.

CONSTRUCTING A TEMPORARY COMBINED SEWER in MONROE AVENUE, from Cedar st. to the Staten Island Railroad crossing, and through an easement to the northerly end of Winant st., and in WINANT STREET, from the easement to a point about 150 feet south of Crocheron st. Area of assessments affects property in the Third Ward, Blocks 81, 82, 83, 170, 171 and 172.

The above entitled assessments were confirmed by the Board of Assessors on September 12, 1911, and entered September 12, 1911, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1006 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Borough Hall, St. George, Borough of Richmond, 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 November 11, 1911, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, September 12, 1911. s18,28

BOROUGH OF BROOKLYN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of

Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, SEPTEMBER 20, 1911,

1. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON CARROLL ST., FROM NOSTRAND AVE. TO A POINT 200 FEET WEST OF NEW YORK AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

410 cubic yards earth excavation.

220 cubic yards earth filling; not to be bid for.

850 linear feet cement curb; 1 year maintenance.

4,190 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Four Hundred ($400) Dollars.

2. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF CARROLL ST., FROM NOSTRAND AVE., TO A POINT 200 FEET WEST OF NEW YORK AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,080 square yards asphalt pavement; 5 years' maintenance.

290 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is twenty (20) working days. The amount of security required is Twelve Hundred ($1,200) Dollars.

3. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON CHURCH AVE., FROM STRATFORD ROAD (E. 11TH ST.) TO OCEAN PARKWAY, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,820 linear feet new curbstone, set in concrete.

1,020 cubic yards earth excavation.

750 cubic yards earth filling; not to be bid for.

8,240 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty-five (35) working days. The amount of security required is Fifteen Hundred ($1,500) Dollars.

4. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON CROWN ST., FROM FRANKLIN AVE. TO BEDFORD AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,550 cubic yards earth excavation.

840 cubic yards earth filling; not to be bid for.

1,430 linear feet cement curb; 1 year maintenance.

7,200 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is forty (40) working days. The amount of security required is One Thousand ($1,000) Dollars.

5. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF AVENUE D, **FROM ROGERS AVE. TO E. 28TH ST.,** TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,030 square yards asphalt pavement; 5 years' maintenance.

145 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is twenty (20) working days. The amount of security required is Six Hundred ($600) Dollars.

6. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON E. 2D ST., FROM AVENUE N TO RYDER AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

10 cubic yards earth excavation.

690 cubic yards earth filling; to be furnished.

870 linear feet cement curb; 1 year maintenance.

1,710 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Four Hundred ($400) Dollars.

7. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON E. 5TH ST., FROM FOSTER AVE. TO THE LONG ISLAND RAILROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

120 cubic yards earth excavation.

1,100 cubic yards earth filling; to be furnished.

950 linear feet cement curb; 1 year maintenance.

4,840 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Six Hundred ($600) Dollars.

8. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON E. 15TH ST., FROM KINGS HIGHWAY TO AVENUE R, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

700 cubic yards earth excavation.

590 cubic yards earth filling; to be furnished.

2,110 linear feet cement curb; 1 year maintenance.

9,140 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is One Thousand ($1,000) Dollars.

9. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON E. 18TH ST., FROM AVENUE S TO NECK ROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,220 cubic yards earth excavation.

200 cubic yards earth filling; to be furnished.

5,710 linear feet cement curb; 1 year maintenance.

27,140 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is fifty (50) working days. The amount of security required is Twenty-five Hundred ($2,500) Dollars.

10. FOR REGULATING, GRADING TO A WIDTH OF 24 FEET ON EACH SIDE OF THE CENTRE LINE, CURBING AND LAYING SIDEWALKS ON E. 35TH ST., FROM GLENWOOD ROAD TO FARRAGUT ROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows

440 cubic yards earth excavation.

80 cubic yards earth filling; not to be bid for.

1,540 linear feet cement curb; 1 year maintenance.

4,400 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Five Hundred ($500) Dollars.

11. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF E. 35TH ST., FROM GLENWOOD ROAD TO FARRAGUT ROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,575 square yards asphalt pavement; 5 years' maintenance.

360 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Fifteen Hundred ($1,500) Dollars.

12. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON AVENUE L, FROM CONEY ISLAND AVE. TO E. 15TH ST., AND FROM E. 16TH ST. TO OCEAN AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

4,210 linear feet new curbstone, set in concrete.

4,570 cubic yards earth excavation.

1,080 cubic yards earth filling; not to be bid for.

4,970 square feet old flagstones relaid; not to be bid for.

13,920 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is sixty (60) working days. The amount of security required is Twenty-seven Hundred ($2,700) Dollars.

13. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON MALTA ST., FROM HEGEMAN AVE. TO VIENNA AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,100 cubic yards earth excavation.

180 cubic yards earth filling; not to be bid for.

1,220 linear feet cement curb; 1 year maintenance.

5,840 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty-five (35) working days. The amount of security required is Eight Hundred ($800) Dollars.

14. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON MONTGOMERY ST., FROM FRANKLIN AVE. TO BEDFORD AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

9,880 cubic yards earth excavation.

10 cubic yards earth filling; not to be bid for.

1,460 linear feet cement curb; 1 year maintenance.

6,950 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is eighty (80) working days. The amount of security required is Twenty-three Hundred ($2,300) Dollars.

15. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON MONTGOMERY ST., FROM NEW YORK AVE. TO NOSTRAND AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,350 cubic yards earth excavation.

1,110 cubic yards earth filling; not to be bid for.

1,480 linear feet cement curb; 1 year maintenance.

6,960 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Eight Hundred ($800) Dollars.

16. FOR REGULATING, GRADING, CURBING, LAYING SIDEWALKS AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF E. 21ST ST., FROM BEVERLEY ROAD TO REGENT PLACE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,220 square yards asphalt pavement; 5 years' maintenance.

170 cubic yards concrete for pavement foundation.

760 cubic yards earth excavation.

600 linear feet cement curb; 1 year maintenance.

1,940 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is One Thousand ($1,000) Dollars.

17. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON AVENUE P, FROM OCEAN PARKWAY TO GRAVESEND AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

50 cubic yards earth excavation.

28,430 cubic yards earth filling; to be furnished.

2,750 linear feet cement curb; 1 year maintenance.

12,370 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is one hundred and fifty (150) working days. The amount of security required is Eight Thousand ($8,000) Dollars.

18. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF PROSPECT PLACE, FROM UTICA AVE. TO ROCHESTER AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,700 square yards asphalt pavement; 5 years' maintenance.

375 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Fifteen Hundred ($1,500) Dollars.

19. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON SULLIVAN ST., FROM WASHINGTON AVE. TO NOSTRAND AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

5,320 cubic yards earth excavation.

4,190 cubic yards earth filling; not to be bid for.

5,250 linear feet cement curb; 1 year maintenance.

25,530 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is fifty (50) working days. The amount of security required is Twenty-eight Hundred ($2,800) Dollars.

20. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON SUYDAM ST., FROM IRVING AVE. TO WYCKOFF AVE., EXCEPT THE LAND OCCUPIED BY THE LONG ISLAND RAILROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

410 cubic yards earth excavation.

100 cubic yards earth filling; not to be bid for.

1,290 linear feet cement curb; 1 year maintenance.

5,750 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Six Hundred ($600) Dollars.

21. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF SUYDAM ST., FROM IRVING AVE. TO WYCKOFF AVE., EXCEPT THE LAND OCCUPIED BY THE LONG ISLAND RAILROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,225 square yards asphalt pavement; 5 years' maintenance.

312 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Thirteen Hundred ($1,300) Dollars.

22. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF WARWICK ST., FROM BELMONT AVE. TO SUTTER AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,105 square yards asphalt pavement; 5 years' maintenance.

155 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is twenty (20) working days. The amount of security required is Six Hundred ($600) Dollars.

23. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON WILLOUGHBY AVE., FROM IRVING AVE. TO WYCKOFF AVE., EXCEPT THE LAND OCCUPIED BY THE LONG ISLAND RAILROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

590 cubic yards earth excavation.

20 cubic yards earth filling; not to be bid for.

1,140 linear feet cement curb; 1 year maintenance.

3,990 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Five Hundred ($500) Dollars.

24. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF WILLOUGHBY AVE., FROM IRVING AVE. TO WYCKOFF AVE., EXCEPT THE LAND OCCUPIED BY THE LONG ISLAND RAILROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,270 square yards asphalt pavement; 5 years' maintenance.

320 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Fourteen Hundred ($1,400) Dollars.

25. FOR REGULATING AND PAVING WITH ASPHALT BLOCK, ON A CONCRETE FOUNDATION, THE ROADWAY OF 12TH AVE., FROM 39TH ST. TO 49TH ST., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

11,880 square yards asphalt block pavement; 5 years' maintenance.

1,500 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is forty (40) working days. The amount of security required is Nine Thousand ($9,000) Dollars.

26. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF 17TH AVE., FROM 74TH ST. TO 79TH ST., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

7,085 square yards asphalt pavement; 5 years' maintenance.

1,000 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Four Thousand ($4,000) Dollars.

27. FOR CURBING AND LAYING SIDEWALKS ON 19TH AVE., FROM 86TH ST. TO BATH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,810 linear feet cement curb; 1 year maintenance.

600 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Five Hundred ($500) Dollars.

28. FOR REGULATING, PAVING AND REPAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF 19TH AVE., FROM 86TH ST. TO BATH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

7,160 square yards asphalt pavement; 5 years' maintenance.

1,000 cubic yards concrete.

15 noiseless covers and heads, complete, for sewer manholes.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Four Thousand ($4,000) Dollars.

29. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 38TH ST., FROM FORT HAMILTON AVE. TO 13TH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

190 cubic yards earth excavation.

450 cubic yards earth filling; to be furnished.

2,590 linear feet cement curb; 1 year maintenance.

840 square feet old flagstones relaid; not to be bid for.

8,110 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is One Thousand ($1,000) Dollars.

30. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 59TH ST., FROM 14TH AVE. TO 15TH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

250 cubic yards earth excavation.

30 cubic yards earth filling; not to be bid for.

1,450 linear feet cement curb; 1 year maintenance.

1,120 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Four Hundred ($400) Dollars.

31. FOR REGULATING AND PAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, THE ROADWAY OF 59TH ST., FROM 14TH AVE. TO 15TH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,405 square yards asphalt pavement; 5 years' maintenance.

335 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Fourteen Hundred ($1,400) Dollars.

32. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 61ST ST., FROM 8TH AVE. TO 9TH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

29,510 cubic yards earth filling; to be furnished.

1,490 linear feet cement curb; 1 year maintenance.

7,340 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract **is one hundred and fifty (150) working days. The** amount of security required is Forty-five Hundred ($4,500) Dollars.

33. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 89TH ST., FROM 1ST AVE. TO 2D AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

4,410 cubic yards earth excavation.

350 cubic yards earth filling; not to be bid for.

1,480 linear feet cement curb; 1 year maintenance.

7,260 square feet cement sidewalk; 1 year maintenance.

The time allowed for the completion of the work and the full performance of the contract is forty-five (45) working days. The amount of security required is Twelve Hundred ($1,200) Dollars.

34. FOR GRADING A PORTION OF LOT NO. 25, IN BLOCK 917, LOCATED ON THE SOUTH SIDE OF 40TH ST., 250 FEET WEST OF 6TH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

386 cubic yards earth excavation.

The time allowed for the completion of the work and the full performance of the contract is ten (10) working days. The amount of security required is One Hundred ($100) Dollars.

35. FOR GRADING PORTIONS OF LOTS NOS. 6, 68 AND 63, BLOCK 741, BOUNDED BY 44TH ST., 45TH ST., 7TH AVE. AND 8TH AVE., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,135 cubic yards earth excavation.

212 cubic yards filling; not to be bid for.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days. The amount of security required is Three Hundred ($300) Dollars.

36. FOR FURNISHING AND DELIVERING 4,000 CUBIC YARDS OF ASPHALT SAND, TO BE DELIVERED AT THE MUNICIPAL ASPHALT PLANT, SITUATED ON THE NORTH SIDE OF 7TH ST. BASIN, GOWANUS CANAL.

The time for the delivery of the articles, materials and supplies, and the performance of the contract, is on or before December 31, 1911.

The amount of security required is Seven Hundred ($700) Dollars.

37. FOR FURNISHING AND DELIVERING 250 CORDS OF HARD WOOD, TO BE DELIVERED AT THE MUNICIPAL ASPHALT PLANT AT 6TH ST. AND GOWANUS CANAL.

The time for the delivery of the articles, materials and supplies and the performance of the contract is on or before December 31, 1911.

The amount of security required is Six Hundred ($600) Dollars.

38. FOR REGULATING AND REPAVING WITH ASPHALT, ON A CONCRETE FOUNDATION, PORTIONS OF THE ROADWAY OF 4TH AVE., FROM 10TH ST. TO 27TH ST., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

6,300 square yards asphalt pavement; 1 year maintenance.

880 cubic yards concrete.

The time allowed for the completion of the work and the full performance of the contract is seventy-five (75) working days. The amount of security required is Thirty-two Hundred ($3,200) Dollars.

Attention is called to a provision in the contract requiring the contractor to agree to lay 29,536 square yards of asphalt pavement and foundation adjacent to this work for the contractors for Sec. 11-A-3 of the Fourth Ave. Subway, at the prices bid on this contract.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, square foot, square yard, cubic yard, or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Delivery will be required to be made at the time and in the manner, and in such quantities as may be directed.

Blank forms and further information may be obtained, and the plans and drawings may be seen at the office of the Bureau of Highways, the Borough of Brooklyn, 12 Municipal Building, Brooklyn.

Dated September 1, 1911. s7,19.

ALFRED E. STEERS, President.

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

ARMORY BOARD.

ARMORY BOARD, HALL OF RECORDS, CHAMBERS AND CENTRE STS.

SEALED BIDS OR ESTIMATES WILL BE received at the office of the Mayor, Chairman of the Armory Board, in The City of New York, until 2 p. m., on

TUESDAY, SEPTEMBER 26, 1911,

FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED IN THE RECONSTRUCTION OF THE THIRD BATTERY ARMORY, 165 CLERMONT AVE., BOROUGH OF BROOKLYN, AS FOLLOWS:

Item 1. FOR FURNISHING THE LABOR AND MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS, INCLUDING THE MODIFICATIONS COVERED BY SHEET XIX.

Item 2. FOR FURNISHING THE LABOR AND MATERIAL, IN ACCORDANCE WITH THE SPECIFICATIONS, NOT INCLUDING THE MODIFICATIONS COVERED BY SHEET XIX.

Security required is Ninety Thousand Dollars ($90,000).

Deposit required is Forty-five Hundred Dollars ($4,500).

Time allowed for doing the work is one hundred twenty (120) working days.

Item 3. FURNISHING LABOR AND MATERIAL FOR A COMPLETE ADDITIONAL ELECTRIC LIGHTING SYSTEM AND WIRING IN THE 12TH INFANTRY ARMORY, 62D ST. AND COLUMBUS AVE., BOROUGH OF MANHATTAN, IN ACCORDANCE WITH THE SPECIFICATIONS.

Security required is Eight Hundred Dollars ($800).

Deposit required is Forty Dollars ($40).

Time allowed for doing the work is ninety (90) working days.

Item 4. FOR FURNISHING LABOR AND MATERIAL NECESSARY TO INSTALL ELECTRIC LIGHT AND GAS FIXTURES IN THE 12TH INFANTRY ARMORY, 62D ST. AND COLUMBUS AVE., MANHATTAN, IN ACCORDANCE WITH THE SPECIFICATIONS.

Security required is Eight Hundred Dollars ($800).

Deposit required is Forty Dollars ($40).

Time allowed for doing the work is ninety (90) working days.

The bids will be compared and the contracts 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 Armory Board, 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 at the office of the Armory Board, Room 6, new Hall of Records (basement), Borough of Manhattan.

For Items 1 and 2, plans may be examined at the office of the Architect, Floyd L. Robinson, 331 Madison avenue, Manhattan. For Items 3 and 4, plans may be examined at the office of The Armory Board, Room 6 (basement), Hall of Records, Chambers and Centre sts., Manhattan.

THE ARMORY BOARD, WILLIAM J. GAYNOR, Mayor; WILLIAM A. PRENDERGAST, Comptroller; JOHN PURROY MITCHEL, President, Board of Aldermen; GEORGE MOORE SMITH, Brigadier-General, commanding First Brigade; JOHN G. EDDY, Brigadier-General, commanding Second Brigade; R. P. FORSHEW, Commanding Officer, Naval Militia; LAWSON PURDY, President, Department of Taxes and Assessments.

The City of New York. s13,26

☞ **See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF STREET CLEANING.

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, 13-21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

FRIDAY, SEPTEMBER 29, 1911,
Boroughs of Manhattan, The Bronx and Brooklyn,

CONTRACT FOR COMPLETING AN ABANDONED CONTRACT FOR FURNISHING AND DELIVERING PIPE HORSE COLLARS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before 90 days.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and award made to the lowest bidder.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, 13-21 Park row.

WM. H. EDWARDS, Commissioner of Street Cleaning.

Dated September 16, 1911. s18,29

☞ **See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m., on

THURSDAY, SEPTEMBER 28, 1911,
Borough of Brooklyn.

No. 1. FOR FURNISHING AND DELIVERING FORAGE.

The time for the completion of the work and the full performance of the contract is by or before December 31, 1911.

The amount of security required is fifty per centum (50%) of the amount of the bid or estimate.

Borough of Manhattan,

No. 2. FOR FURNISHING AND DELIVERING FORAGE.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1911.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Borough of The Bronx,

No. 3. FOR FURNISHING AND DELIVERING FORAGE.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1911.

The amount of security required is fifty per cent. (50%) of the amount of bid or estimate.

The bidder will state the price of each item or article contained in the specifications annexed, per pound, per hundred pounds, 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 for each contract and awards made to the lowest bidder on each contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park Row.

WM. H. EDWARDS, Commissioner of Street Cleaning.

Dated September 11, 1911. s16,28

☞ **See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF STREET CLEANING, ROOM 1403, 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, 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 m., on

WEDNESDAY, SEPTEMBER 20, 1911,
Borough of Manhattan, The Bronx and Brooklyn,

FOR FURNISHING AND DELIVERING HORSE BLANKETS AND ROBES.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1911.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each blanket and robe by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and the award made to the lowest bidder.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, 13-21 Park row.

WM. H. EDWARDS, Commissioner of Street Cleaning.

Dated September 7, 1911. s8,20

☞ **See General Instructions to Bidders on the last page, last column, of the "City Record."**

BOARD OF ESTIMATE AND APPORTIONMENT.

Public Improvement Matters.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the grades of the street system within the territory bounded by Dahlgren place, 92d st., 7th ave., Warehouse ave., Battery ave. and Cropsey ave., Borough of Brooklyn, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by changing the grades of the territory bounded by Dahlgren place, 92d st., 7th ave., Warehouse ave., Battery ave. and Cropsey ave., in the Borough of Brooklyn, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Commissioner of Public Works of the Borough, and dated March 3, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD and the corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the grades of Morris ave., between the New York and Harlem Railroad and E. 158th st., and of Park Avenue West, between Morris ave. and E. 158th st., Borough of The Bronx, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by changing the grades of Morris ave., between the New York and Harlem Railroad and E. 158th st., and of Park Avenue West, between Morris ave. and E. 158th st., in the Borough of The Bronx, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated Novermber 5, 1910.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and plaee, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system bounded by Dahlgren place, 92d st., 7th ave., Warehouse ave., Battery ave. and Cropsey ave., Borough of Brooklyn, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by changing the lines and grades of the street system bounded by Dahlgren place, 92d st., 7th ave., Warehouse ave., Battery ave. and Cropsey ave., in the Borough of Brooklyn, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Commissioner of Public Works of the Borough, and dated March 3, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system bounded by Amber st., Glenmore ave., Hudson st., Pitkin ave. and Sutter ave., Borough of Queens, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by changing the lines and grades of the street system bounded by Amber st., Glenmore ave., Hudson st., Pitkin ave. and Sutter ave., in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Secretary of the Board of Estimate and Apportionment, and dated December 2, 1909.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to lay out Ashland st. across the tracks of the Rockaway Beach Division of the Lond Island Railroad, Borough of Queens, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by establishing the lines and grades of Ashland st. across the right-of-way of the Rockaway Beach Division of the Long Island Railroad, in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Secretary of the Board of Estimate and Apportionment, and dated June 21, 1910.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to lay out Peck ave., between Lawrence st. and Jacinth place, and change the lines and grades of Lawrence st., between Fowler st. and Blossom ave., Borough of Queens, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by establishing the lines and grades of Peck ave., between Lawrence street and Jacinth place, and of Lawrence st., between Fowler st. and Blossom ave., in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Secretary of the Board of Estimate and Apportionment, and dated September 30, 1910.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system bounded by Amber st., Glenmore ave., Hudson st., Pitkin ave. and Sutter ave., Borough of Queens, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by changing the lines and grades of the street system bounded by Amber st., Glenmore ave., Hudson st., Pitkin ave. and Sutter ave., in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Secretary of the Board of Estimate and Apportionment, and dated December 2, 1909.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of Broadway, between W. 262d st. and the northern boundary line of The City of New York, and of W. 262d st., between Broadway and Huxley ave., Borough of The Bronx, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by changing the grade of Broadway, between W. 262d st. and the northern boundary line of The City of New York, and of W. 262d st., between Broadway and Huxley ave., in the Borough of The Bronx, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated December 19, 1910.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of Crescent st., between Newtown ave. and Flushing ave., Borough of Queens, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolution adopted by the Board on July 13, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by changing the lines of Crescent st., between Newtown ave. and Flushing ave., in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Secretary of the Board of Estimate and Apportionment, and dated May 4, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days continuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

ADJOURNED HEARING IN THE MATTER of changing the map or plan of The City of New York by widening Fulton avenue, between Mills street and Welling street; widening Main street, between Grand avenue and Van Alst avenue; extending Grand avenue, from Main street to Stevens street, and widening Stevens street between Fulton avenue and Main street, Borough of Queens.

NOTICE IS HEREBY GIVEN THAT AT the meeting of the Board of Estimate and Apportionment held on June 29, 1911, the hearing in the matter of changing the map or plan of The City of New York so as to establish the lines of the street system bounded by Mills st., Franklin st., the Boulevard, Fulton ave., Main st., Van Alst ave., Clark st., Hopkins ave., Taylor st., Welling st., Grand ave., Main st., and the East River, in the Borough of Queens, City of New York, in accordance with a map or plan bearing the signature of the President of the Borough and dated February 21, 1911, was adjourned until September 21, 1911.

The hearing will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway; Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of laying out new streets and making changes in the lines and grades of existing streets in the territory bounded approxiy by Hillside ave., Villard ave., Farmers ave., Freeport ave., Rockaway boulevard, Van Wyck ave. and New Haven ave., in the Fourth Ward, Borough of Queens, as shown upon a tentative map bearing the signature of the Acting President of the Borough, and dated April 18, 1911; be it

Resolved, That this Board will give an informal hearing in the matter at a meeting of the Board to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock in the forenoon.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway; Room, 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to establish the lines and grades of the street system bounded by Haven Esplanade, Castleton ave., Woodstock st., Richmond turnpike and Barrett boulevard, Borough of Richmond, and that a meeting of said Board will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on June 29, 1911, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442, of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by establishing the lines and grades of the street system bounded by Haven Esplanade, Castleton ave., Woodstock st., Richmond turnpike and Barrett boulevard, in the Borough of Richmond, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated May 1, 1911.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 21st day of September, 1911, at 10.30 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD for ten days con-

tinuously, Sundays and legal holidays excepted, prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary; 277 Broadway, Room 1406; telephone, 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Thames street, from Flushing avenue to Varick avenue, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on a line midway between Grattan street and Thames street, distant 100 feet westerly from the westerly line of Varick avenue, and running thence eastwardly along the said line midway between Grattan street and Thames street to the intersection with the northwesterly line of Flushing avenue; **thence southeastwardly at right angles to Flushing** avenue to a point distant 100 feet southeasterly from its southeasterly side; thence southwestwardly and always distant 100 feet southeasterly from and parallel with the southeasterly lines of Flushing avenue and Melrose street to a point distant 100 feet southwesterly from the southwesterly line of Irving avenue; thence nothwestwardly and parallel with Irving avenue to the intersection with the southeasterly line of **Melrose street; thence westwardly in a straight** line to a point on the southerly line of Flushing avenue where it is intersected by a line parallel with Varick avenue, and passing through the point of beginning; thence northwardly along the said line parallel with Varick avenue to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD and the corporation newspapers for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, **Room 1406. Telephone, 2280 Worth. s8, 19**

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Boerum street, from White street to Bogart street, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Boerum street, as this street is laid out between White street and Bogart street, the said distance being measured at right angles to Boerum street, and by the prolongations of the said line; on the east by a line always distant 100 feet easterly from and parallel with the easterly line of Bogart street, the said distance being measured at right angles to Bogart street; on the south by a line midway between Boerum street and McKibbin street, as these streets are laid out between White street and Bogart street, and by the prolongations of the said line, and on the west by a line distant 100 feet westerly from and parallel with the westerly line of White street, the said distance being measured at right angles to White street.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD and the corporation newspapers for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, **Room 1406. Telephone, 2280 Worth. s8, 19**

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Ditmas avenue, from Ralph avenue to East 98th street, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on a line midway between Ditmas avenue and Avenue D, where it intersects the easterly line of Ralph avenue, and running thence westwardly at right angles to Ralph avenue to the intersection with a line midway between East 59th street and Ralph avenue; thence northwardly along the said line midway between East 59th street and Ralph avenue to the intersection with a line at right angles to Ralph avenue, and passing through a point on its westerly side where it is intersected by the prolongation of a line midway between Beverly road and Ditmas avenue; thence **eastwardly along the said line at** right angles to Ralph avenue to its westerly side; thence northeastwardly along the said line midway between Beverly road and Ditmas avenue and along the prolongations of the said line to a point distant 100 feet northeasterly from the northeasterly line of East 98th street; thence southeastwardly and parallel with East 98th street to the intersection with the prolongation of a line midway between Ditmas avenue and Avenue D; thence southwestwardly along the said line midway between Ditmas avenue and Avenue D, and along the prolongation of the said line to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD and the corporation newspapers for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, **Room 1406. Telephone, 2280 Worth. s8, 19**

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of East 52d street, from Remsen avenue to Lenox road, and from Church avenue to the unnamed street adjoining the right-of-way of the Long Island Railroad on its northerly side, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on the southwesterly line of Remsen avenue midway between East 51st street and East 52d street, and running thence northeastwardly at right angles to Remsen avenue a distance of 200 feet; thence southeastwardly and parallel with Remsen avenue to the intersection with a line at right angles to Remsen avenue and passing through a point on its southwesterly side midway between East 52d street and East 53d street; thence southwestwardly along the said line at right angles to Remsen avenue to its southwesterly side; thence southwardly along a line midway between East 52d street and East 53d street and along the prolongation of the said line to the intersection with the northerly property line of the Long Island Railroad Company; thence southwestwardly along the said property line to the intersection with the prolongation of a line midway between East 51st street and East 52d street; thence northwardly along the said line midway between East 51st street and East 52d street, and along the prolongation of the said line to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10:30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD and the corporation newspapers for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Roome 1406. **Telephone 2280 Worth. s8,19**

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of the easterly half of Bay 19th street, from Benson avenue to a point distant 620 feet southerly from 86th street, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit of said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Bounded on the northeast by a line at right angles to Bay 19th street and passing through a point on its southeasterly side distant 620 feet southwesterly from the southwesterly line of 86th street, the said distance being measured **along the line of Bay 19th street; on the south**east by a line midway between Bay 19th street and Bay 20th street and by the prolongation of the said line; on the southwest by a line always distant 100 feet southwesterly from and parallel with the southwesterly line of Benson avenue, the said distance being measured at right angles to Benson avenue; and on the northwest by the centre line of Bay 19th street and by the prolongation of the said line.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD and the corporation newspapers for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone, 2280 Worth. s8, 19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the widening of Flatbush avenue extension, between Concord street and Nassau street, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on the easterly line of Bridge street where it is intersected by a line midway between High street and Nassau street, and running thence eastwardly along the said line midway between High street and Nassau street to the intersection with the prolongation of a line midway between Bridge street and Duffield street; thence southwardly along the said line midway between Bridge street and Duffield street and along the prolongation of the said line to the intersection with a line always distant 100 feet easterly from and parallel with the easterly line of Flatbush avenue, the said distance being measured at right angles to Flatbush avenue; thence southwardly along the said line parallel with Flatbush avenue and always distant 100 feet therefrom to a point distant 100 feet southwesterly from the southwesterly line of Fulton street, the said distance being measured at right angles to Fulton street; thence northwestwardly and always distant 100 feet southwesterly from and parallel with the southwesterly line of Fulton street to the intersection with a line always distant 100 feet westerly from and parallel with the westerly line of Flatbush avenue, the said distance being measured at right angles to Flatbush avenue; thence northwardly along the said line parallel with Flatbush avenue **and always distant 100 feet therefrom to the intersection with a line midway between Chapel street and Cathedral place; thence westwardly along the said line midway between Chapel street and Cathedral place to the intersection with the prolongation of a line midway between Jay street and Bridge street, as these streets are laid out im**mediately south of Cathedral place; thence northwardly along the prolongation of the said line midway between Jay street and Bridge street to the intersection with a line midway between Concord street and Chapel street; thence westwardly along the said line midway between Con**cord street and Chapel street to the intersection** with a line midway between Pearl street and Jay street; thence northwardly along the said line midway between Pearl street and Jay street to the intersection with a line midway between High street and Nassau street; thence eastwardly along the said line midway between High street and Nassau street to the intersection with the westerly line of Jay street; thence southwardly **along the westerly line of Jay street to the inter**section with the northerly line of Nassau street; thence eastwardly along the northerly line of Nassau street to the intersection with the easterly line of Bridge street; thence northwardly along the easterly line of Bridge street to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD and the corporation newspapers for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone 2280 Worth. s8, 19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on July 6, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Montauk avenue, from Atlantic avenue to Pitkin avenue, excepting the land occupied by the tracks of the Long Island Railroad, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Atlantic avenue, the said distance being measured at right angles to Atlantic avenue; on the east by a line midway between Montauk avenue and Milford street and by the prolongation of the said line; on the south by a line distant 100 feet southerly from and parallel with the southerly line of Pitkin avenue, the said distance being measured at right angles to Pitkin avenue, and on the west by a line midway between Atkins avenue and Montauk avenue and by the prolongation of the said line.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD and the corporation newspapers for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone 2280 Worth. s8, 19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Monroe street, from **Betts avenue to Fisk avenue, in the Borough of Queens, City of New York; and**

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on a line midway between Holmes avenue and Irving street, distant 100 feet westerly from the westerly line of Betts avenue, the said distance being measured at right angles to Betts avenue, and running thence eastwardly along the said bisecting line to the intersection with the westerly line of **Trimble avenue; thence eastwardly along a line** parallel with Monroe street to the intersection with a line midway between Hyatt avenue and **Burrough avenue; thence northwardly along the said line midway between Hyatt avenue and Burrough avenue to the intersection with the** southwesterly right-of-way line of the Long Island Railroad; thence southeastwardly along the said right-of-way line to the intersection with a line midway between Adams street and Monroe street, as these streets are laid out adjoining the westerly side of Fisk avenue; thence eastwardly **along the said line midway between Adams street** and Monroe street and along the prolongation of the said line to a point distant 100 feet easterly from the easterly line of Fisk avenue; thence southwardly and parallel with Fisk avenue to the intersection with the prolongation of a line mid**way between Monroe street and Henry street, as** these streets are laid out between Fisk avenue and Burrough avenue; thence westwardly along the said line midway between Monroe street and Henry street and along the prolongations of the said line to the intersection with a line midway between Hyatt avenue and Burrough avenue; thence southwardly along the said line midway between Hyatt avenue and Burrough avenue to the intersection with a line midway between Monroe street and Garfield street; thence westwardly along the said line midway between Monroe street and Garfield street to the intersection **with a line bisecting the angle formed by the** intersection of the prolongations of the southerly line of Monroe street and the northerly line of Laurel Hill boulevard, as these streets are laid out between Holmes avenue and Irving street; thence westwardly along the said bisecting line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southerly line of Monroe street and the northerly line of Laurel Hill boulevard, as these streets are laid out between Ayr avenue and Bryant avenue; thence westwardly along the said bisecting line to the intersection with the easterly line of **Betts avenue**; thence westwardly at right angles to Betts avenue a distance of 170 feet; thence northwardly and always distant 100 feet westerly from and parallel with the westerly line of Betts avenue to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the **CITY RECORD for ten days prior to the 21st day of September, 1911.**

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, **Room 1406. Telephone 2280 Worth. s8, 19**

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Harold **avenue, from Queens boulevard to Skillman avenue, in the Borough of Queens, City of New** York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of **section 980 of the Greater New York Char**ter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Bounded on the north by a line always distant 100 feet northerly from and parallel with the northerly line of Skillman avenue, the said distance being measured at right angles to Skillman avenue; on the east by a line midway between Lowery street and Van Buren street, and by the prolongation of the said line; on the south by a line distant 100 feet southerly from and parallel with the southerly line of Queens boulevard, the said distance being measured at right angles to Queens boulevard; and on the west by a line midway between Ruckley street and Hulst street, and by the prolongation of the said line.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the **CITY RECORD for ten days prior to the 21st day** of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone 2280 Worth. s8, 19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Van Cortlandt Park South, from Broadway to Moshulu Parkway, excluding the right-of-way of the New York and Putnam Railroad, in the Borough of The Bronx, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to **fix and determine upon an area or areas of as**sessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on a line bisecting the angle formed by the intersection of the prolongations of the centre lines of West 238th street and Van Cortlandt Park South, as these streets are laid out between Broadway and Review place, distant 100 feet westerly from the westerly line of Broadway, the said distance being measured at right angles to Broadway, and running thence northwardly and parallel with Broadway to the intersection with the prolongation of a line distant 300 feet northerly from and parallel with the northerly line of Van Cortlandt Park South, the said distance being measured at right angles to Van Cortlandt Park South; thence eastwardly along the said line parallel with Van Cortlandt Park South and along the prolonga-

tions of the said line to a point distant 100 feet easterly from the prolongation of the easterly line of Mosholu Parkway South, the said distance being measured at right angles to Mosholu Parkway South; thence southwardly along a line always distant 100 feet easterly from and parallel with the easterly line of Mosholu Parkway South and its prolongation to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southerly line of Van Cortlandt Park South and the northerly line of Sedgwick avenue, as these streets are laid out between Dickinson place and Hillhouse avenue; thence westwardly along the said bisecting line to the intersection with the bisecting line hereinbefore described as passing through the point of beginning; thence westwardly along the said bisecting line to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone 2280 Worth. s8 19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Van Cott avenue, from Grand street to Maurice avenue; James street, from Rust street to Flushing avenue; together with the public place bounded by Maurice avenue, Van Cott avenue and Perry avenue, in the Borough of Queens, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

1. Beginning at a point on a line midway between Hull avenue and Clinton avenue where it is intersected by a line bisecting the angle formed by the intersection of the prolongations of the centre lines of Betts avenue and Maurice avenue as these streets are laid out between Clinton avenue and Perry avenue, and running thence eastwardly along the said line midway between Hull avenue and Clinton avenue to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the easterly line of Van Cott avenue and the westerly line of Broad street, as these streets are laid out between Perry avenue and Maspeth avenue; thence southwardly along the said bisecting line to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Grand street, the said distance being measured at right angles to Grand street; thence westwardly along the said line parallel with Grand street to the intersection with the prolongation of a line midway between High street and Van Cott avenue; thence northwardly along the said line midway between High street and Van Cott avenue and along the prolongations of the said line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southerly line of Perry avenue and the northerly line of Maspeth avenue as these streets are laid out between Maurice avenue and Van Cott avenue; thence westwardly along the said bisecting line to the intersection with the line bisecting the angle formed by the intersection of the centre lines of Betts avenue and Maurice avenue hereinbefore described; thence northwardly along the said bisecting line last described to the point or place of beginning.

2. Beginning at a point in the northeasterly property line of the Long Island Railroad, where it is intersected by the prolongation of a line midway between Edward street and James street, and running thence eastwardly along the said line midway between Edward street and James street and along the prolongations of the said line to the intersection with the southeasterly line of Flushing avenue; thence southeastwardly at right angles to Flushing avenue a distance of 100 feet; thence southwestwardly and parallel with Flushing avenue to the intersection with a line at right angles to Flushing avenue and passing through a point on its southeasterly side distant 100 feet southerly from the prolongation of the southerly line of James street, the said distance being measured at right angles to James street; thence northwestwardly along the said line at right angles to Flushing avenue to its southeasterly side; thence westwardly and parallel with James street and the prolongations thereof to the intersection with the northeasterly property line of the Long Island Railroad; thence northwestwardly along the said property line to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone 2280 Worth. s8,19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 29, 1911, the Board postponed until September 21, 1911, the hearing on the proposed area of assessment in the matter of acquiring title to Woodhaven avenue (Trotting Course lane), from Queens (Hoffman) boulevard to Jamaica avenue, Borough of Queens.

The hearing will be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on September 21, 1911, at 10.30 o'clock a. m.

The following is the proposed area of assessment in the proceeding:

Beginning at a point on a line midway between Selfridge street and Orville street where it is intersected by the prolongation of a line midway between Fleet street and Goldington street and running thence southwardly along the said line midway between Selfridge street and Orville street and along the prolongation of the said line to the intersection with the southwesterly right-of-way line of the Rockaway Beach Division of the Long Island Railroad; thence southeastwardly along the said right-of-way line to a point distant 100 feet southerly from the southerly line of Ridgewood avenue, the said distance being measured at right angles to Ridgewood avenue; thence westwardly and parallel with Ridgewood avenue to a point midway between Canal avenue and Boyd avenue; thence northwardly and always midway between Canal avenue and Boyd avenue to the intersection with the northerly line of Ashland street; thence northwestwardly in a straight line to a point on the southerly line of Copeland avenue midway between Francis street and Ella street; thence northwardly along a line midway between Francis street and Ella street and along the prolongation of the said line to the intersection with the prolongation of a line midway between Hendricks street and Corbett street; thence northwestwardly along the said line midway between Hendricks street and Corbett street and along the prolongations of the said line to the intersection with a line midway between Flemming place and Ames place; thence northeastwardly along the said line midway between Flemming place and Ames place to the intersection with the prolongation of a line midway between Gwydir street and Cornbury place; thence northwestwardly along the said line midway between Gwydir street and Cornbury place and along the prolongation of the said line to the intersection with the prolongation of a line midway between Phelps avenue and Remsen avenue; thence northeastwardly along the said line midway between Phelps avenue and Remsen avenue and along the prolongation of the said line to the intersection with the prolongation of a line midway between Bloomfield street and Blaine place; thence northwestwardly along the said line midway between Bloomfield street and Blaine place and along the prolongations of the said line to the intersection with a line midway between Howe place and Bowne place; thence northeastwardly along the said line midway between Howe place and Bowne place and along the prolongation of the said line to the intersection with a line midway between Seabury street and Van Horn street; thence northwestwardly along the said line midway between Seabury street and Van Horn street to the intersection with a line midway between Laconia street and Caldwell avenue; thence northeastwardly along the said line midway between Laconia street and Caldwell avenue and along the prolongation of the said line to the intersection with the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of Martense street, the said distance being measured at right angles to Martense street; thence eastwardly along the said line parallel with Martense street and along the prolongation of the said line to the intersection with the prolongation of a line midway between Junction avenue and Hanover avenue as these streets are laid out south of Martense street; thence southwardly along the said line midway betwen Junction avenue and Hanover avenue and along the prolongation of the said line to the intersection with a line midway between Palmer street and Rodman street; thence westwardly along the said line midway between Palmer street and Rodman street to a point distant 100 feet westerly from the westerly line of Hanover avenue; thence southwardly and parallel with Hanover avenue to the intersection with the prolongation of a line distant 100 feet southeasterly from and parallel with the southeasterly line of Jupiter avenue as this street is laid out where it adjoins Queens boulevard, the said distance being measured at right angles to Jupiter avenue; thence southwestwardly along the said line parallel with Jupiter avenue and along the prolongation of the said line to the intersection with a line midway between Booth street and Austin street; thence southeastwardly along the said line midway between Booth street and Austin street to the intersection with a line midway between Perego place and Marion avenue; thence southwestwardly along the said line midway between Perego place and Marion avenue and along the prolongation of the said line to the intersection with the southwesterly right-of-way line of the Main Line Division of the Long Island Railroad; thence southeastwardly along the said right-of-way line to the intersection with a line midway between Marion avenue and Penelope street; thence southwestwardly along the said line midway between Marion avenue and Penelope street to the intersection with a line midway between Alderton street and Burns street; thence southeastwardly along the said line midway between Alderton street and Burns street to the intersection with a line midway between Penelope street and Modjeska street; thence southwestwardly along the said line midway between Penelope street and Modjeska street to the intersection with a line midway between Bourton street and Carlton street; thence southeastwardly along the said line midway between Bourton street and Carlton street to the intersection with a line midway between Modjeska street and Mount Holyoke street; thence southwestwardly along the said line midway between Modjeska street and Mount Molyoke street to the intersection with a line midway between Carlton street and Dartmouth street; thence southeastwardly along the said line midway between Carlton street and Dartmouth street to the intersection with a line midway between Mount Holyoke street and Vassar street; thence southwestwardly along the said line midway between Mount Holyoke street and Vassar street to the intersection with a line midway between Everton street and Fleet street; thence southeastwardly along the said line midway between Everton street and Fleet street to the intersection with the prolongation of a line midway between Vassar street and Cornell street; thence southwestwardly along the said prolongation of a line midway between Vassar street and Cornell street to the intersection with a line midway between Fleet street and Goldington street; thence southeastwardly along the said line midway between Fleet street and Goldington street and along the prolongation of the said line to the point or place of beginning.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone, 2280 Worth. s8, 19

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on July 13, 1911, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for the opening and extending of Sanford street from Sherman street to the bulkhead line of of the East River, in the Borough of Queens, City of New York, and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 980 of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on the bulkhead line of the East River where it is intersected by a line bisecting the angle formed by the intersection of the prolongations of the southwesterly line of Broadway and the northeasterly line of Sanford street as these streets are laid out adjoining Vernon avenue on the west, and running thence southeastwardly along the said bisecting line to the intersection with the centre line of the Boulevard; thence southwestwardly along the centre line of the Boulevard to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southwesterly line of Ridge street and the northeasterly line of Sanford street as these streets are laid out between the Boulevard and Sherman street; thence southeastwardly along the said bisecting line to the intersection with the prolongation of a line midway between Sherman street and Marion street as these streets are laid out adjoining Graham avenue on the north; thence southwestwardly along the said line midway between Sherman street and Marion street and along the prolongation of the said line to the intersection with the prolongation of a line midway between Sanford street and Graham avenue as these streets are laid out between Hamilton street and Hancock street; thence northwestwardly along the said line midway between Sanford street and Graham avenue, and along the prolongations of the said line to the intersection with the bulkhead line of the East River; thence eastwardly along the said bulkhead line to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 21st day of September, 1911, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD for ten days prior to the 21st day of September, 1911.

Dated September 8, 1911.

JOSEPH HAAG, Secretary, 277 Broadway, Room 1406. Telephone 2280 Worth. s8, 19

Franchise Matters.

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment, held June 22, 1911, the following petition was received:

The Staten Island Rapid Transit Railway Company, Office of the Vice-President, 17 State street, New York, June 13, 1911.

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

The undersigned, The Staten Island Rapid Transit Railway Company, hereby petitions The City of New York for an extension of time from October 29th, 1911, to October 29th, 1914, within which to commence and complete the construction of one standard railroad track across and upon Richmond terrace, formerly known as the Shore road, in the Third Ward, Borough of Richmond, City of New York, at the point, in the manner and upon the terms and conditions specified in the contract between The City of New York and The Staten Island Rapid Transit Railway Company, dated October 29th, 1909, whereby among other things the right and privilege was granted to the undersigned to construct, maintain and operate such track provided the construction thereof was commenced and completed within two years from the date thereof.

THE STATEN ISLAND RAPID TRANSIT RAILWAY COMPANY,
By C. C. F. BENT, Vice-President.

State of New York, County of New York, ss.:

On this 13th day of June, 1911, before me personally came C. C. F. Bent, to me known and known to me to be the person described in and who signed the foregoing, and thereupon acknowledged to me that he signed the same for the purposes therein set forth.

R. N. Stevens, Notary Public, Rockland County, New York, certificate filed in New York County.

—and at the meeting of July 6, 1911 the following resolutions were adopted:

Whereas, The foregoing petition from The Staten Island Rapid Transit Railway Company, dated June 13, 1911, was presented to the Board of Estimate and Apportionment at a meeting held June 22, 1911.

Resolved, That, in pursuance of law this Board sets Thursday, the 21st day of September, 1911, at 10.30 o'clock in the forenoon, and Room 16 in the City Hall, Borough of Manhattan, as the time and place when and where such petition shall be first considered, and a public hearing be had thereon, at which citizens shall be entitled to appear and be heard; and be it further

Resolved, That the Secretary is directed to cause such petition and these resolutions to be published for at least two (2) days in two daily newspapers in The City of New York, to be designated by the Mayor, and for at least ten (10) days in the CITY RECORD immediately prior to such date of public hearing. The expense of such publication to be borne by the petitioner. (The New York "Press" and the New York "Herald" designated.)

JOSEPH HAAG, Secretary.
New York, July 6, 1911. s9,21

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment, held July 6, 1911, the following petition was received:

110 West 34th Street, New York City, June 29, 1911.

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

Gentlemen—The New York Magnaphone and Music Company hereby makes application for the authority to lay, construct, maintain and operate electric wires with the necessary branches in connection thereto, under and along the streets, avenues and public places within the territory of The City of New York, according to the terms and conditions which your honorable body may determine, such wires to be laid and maintained for the purpose of distributing music and matters of general interest and amusement electrically by means of a magnaphone.

The Company, therefore, respectfully applies for the consent of your honorable Board to lay, construct, maintain and operate such wires for the purpose aforesaid and requests that such consent or franchise be embodied in a contract in accordance with the provisions of the Greater New York Charter. Respectfully submitted,

THE NEW YORK MAGNAPHONE AND MUSIC COMPANY.
By CHARLES A. BENTON, Vice-President.
[CORPORATE SEAL]

State of New York, County of New York, ss.:

On the 29th day of June, in the year one thousand nine hundred and eleven, before me personally came Charles A. Benton, to me known, who, being duly sworn, did depose and say that he resided in the Borough of Manhattan, City of New York; that he is the Vice-President of The New York Magnaphone and Music Company, the corporation described in and which executed the foregoing instrument; that he knew the seal of said corporation; that the seal affixed to said instrument was such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

KATHRYN A. FOX, Notary Public, New York County.

—and the following resolutions were thereupon adopted:

Whereas, The foregoing petition from the New York Magnaphone and Music Co., dated June 29, 1911, was presented to the Board of Estimate and Apportionment at a meeting held July 6, 1911.

Resolved, That, in pursuance of law this Board sets Thursday, the 21st day of September, 1911, at 10.30 o'clock in the forenoon, and Room 16 in the City Hall, Borough of Manhattan, as the time and place when and where such petition shall be first considered, and a public hearing be had thereon, at which citizens shall be entitled to appear and be heard; and be it further

Resolved, That the Secretary is directed to cause such petition and these resolutions to be published for at least two (2) days in two daily newspapers to be designated by the Mayor, and for at least ten (10) days in the CITY RECORD immediately prior to such date of public hearing. The expense of such publication to be borne by the petitioner. (The "Evening Mail" and the "Globe" designated.)

JOSEPH HAAG, Secretary.
New York, July 6, 1911. s9,21

PUBLIC NOTICE IS HEREBY GIVEN THAT at a meeting of the Board of Estimate and Apportionment, held June 6, 1911, the following petition was received:

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

The petition of the Manhattan Bridge Service Company respectfully shows:

First—That your petitioner is a street surface railroad corporation, duly organized and existing under the Laws of the State of New York, and proposes to construct and operate a line of street surface railroad in the Counties of New York and Kings, and across the Manhattan Bridge, connecting the Boroughs of Manhattan and Brooklyn, in The City of New York, State of New York.

Second—Your petitioner now desires to obtain from your honorable Board, and hereby respectfully applies for, the necessary franchise or privilege to operate its cars over, upon and along the tracks now or hereafter constructed by The City of New York upon the Manhattan Bridge, the approaches thereto and the plaza thereof, and also to construct, maintain and operate a single or double track street surface railroad for public use in the conveyance of persons and property for compensation in, upon and along Flatbush avenue extension, in the County of Kings, between the Brooklyn plaza of the Manhattan Bridge and the intersection of said Flatbush avenue extension with Fulton street, in the said County of Kings, crossing all avenues and streets intersecting said route, and also for the franchise or privilege to construct and maintain the necessary poles for the stringing of wires and other appurtenances necessary for the operation of said road.

Third—That said corporation proposes to operate said proposed railroad by such motive power as may be lawfully employed.

Wherefore, Your petitioner prays that public notice hereof and of the time and place when and where this application will be first considered be given as required by law, and that the desired consent be granted in accordance with the provisions of the Greater New York Charter and the Railroad Law of the State of New York.

Dated New York, May 19, 1911.

MANHATTAN BRIDGE SERVICE COMPANY,
By HARLAN W. WHIPPLE, President.
Attest:
[SEAL.] HAROLD B. WEAVER, Secretary.

State of New York, County of New York, ss.:

Harlan W. Whipple, being duly sworn, deposes and says, that he is the President of the Manhattan Bridge Service Company, the petitioner named in the foregoing petition; that he has read the foregoing petition and knows the contents thereof; that the same is true to his knowledge, except as to the matters therein stated to be alleged on information and belief, and that as to those matters he believes it to be true.

HARLAN W. WHIPPLE.

Sworn to before me this 19th day of May, 1911. [SEAL]

EDW. D. HULMAN, Notary Public, Westchester County. Certificate filed, New York County. My Commission expires March 30, 1912.

—and at the meeting of July 6, 1911, the following resolutions were adopted:

Whereas, The foregoing petition from the Manhattan Bridge Service Co., dated May 19, 1911, was presented to the Board of Estimate and Apportionment at a meeting held July 6, 1911.

Resolved, That, in pursuance of law this Board sets Thursday, the 21st day of September, 1911, at 10.30 o'clock in the forenoon, and Room 16 in the City Hall, Borough of Manhattan, as the time and place when and where such petition shall be first considered, and a public hearing be had thereon, at which citizens shall be entitled to appear and be heard; and be it further

Resolved, That the Secretary is directed to cause such petition and these resolutions to be published for at least fourteen (14) days in two daily newspapers in The City of New York, to be designated by the Mayor, and for at least ten (10) days in the CITY RECORD immediately prior to such date of public hearing. The expense of such publication to be borne by the petitioner. (The "Sun" and New York "Press" designated).

JOSEPH HAAG, Secretary.
New York, July 6, 1911. s9,21

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held July 6, 1911, the following resolutions were adopted:

Whereas, The New York City Interborough Railway Company has, under date of March 31, 1911, made application to this Board for the grant of the right, privilege and franchise to construct, maintain and operate a double track street surface railway as an extension to its existing system upon and along Dongan street, Stebbins avenue, East 163d street, Washington avenue and Elton avenue, from Intervale avenue to East 161st street, Borough of the Bronx; and

Whereas, Section 172 of the Railroad Law and sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on April 6, 1911, fixing the date for public hearing thereon as April 27, 1911, at which citizens were entitled to appear and be heard, and publication was had for at least fourteen (14) days in the "Morning Telegraph" and "New York Sun," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing, and the public hearing was duly had on such day; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for and proposed to be granted to the New York City Interborough Railway Company and the adequacy of the compensation proposed to be paid therefor; now, therefore, it is

Resolved, That the following form of the resolution for the grant of the franchise or right applied for by the New York City Interborough Railway Company, containing the form of proposed contract for the grant of such franchise or right, be hereby introduced, and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the New York City Interborough Railway Company the franchise or right fully set out and described in the following form of proposed contract for the grant thereof, embodying all of the terms and conditions, including the provisions as to rates, fares and charges upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

Proposed Form of Contract.

This contract, made this day of 1911, by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the New York City Interborough Railway Company (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate a double track extension to its street surface railway, with the necessary wires and equipment, for the purpose of conveying passengers only, in the Borough of The Bronx, in The City of New York, upon the following route, to wit:

Beginning on Dongan street at its intersection with Intervale avenue, and there connecting with the road for which the Company has a franchise; thence westerly in and upon Dongan street to Stebbins avenue; thence northerly in and upon Stebbins avenue to East 163d street; thence westerly in and upon East 163d street to Washington avenue; thence southwesterly in and upon Washington avenue to Elton avenue; thence southwesterly in and upon Elton avenue to East 161st street, and there connecting with the existing tracks of the Union Railway Company of New York City in East 161st street.

And to cross such other streets and avenues, named and unnamed, as may be encountered in said route.

The said route, with turnouts, switches and crossovers, hereby authorized is shown upon a map entitled:

"Map showing proposed extensions of the New York City Interborough Railway Company in the Boroughs of Manhattan and The Bronx, City of New York, to accompany petition dated March 31, 1911, to the Board of Estimate and Apportionment."

—and signed by Edward A. Maher, President, and A. E. Kalbach, Engineer; a copy of which is attached hereto, is to be deemed a part of this contract, is to be construed with the text thereof and is to be substantially followed, provided that deviations therefrom and additional turnouts, switches and crossovers which are consistent with the foregoing description, and the other provisions of this contract, may be permitted by resolution of the Board.

Section 2. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company:

First—The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway shall be obtained by the Company within three (3) months from the signing of this contract by the Mayor, and a copy of such consents shall be filed with the Board within such time, or in the event that such consents cannot be obtained within such time, the Company shall, within said three (3) months, or within one (1) month thereafter, make application to the Appellate Division of the Supreme Court for the appointment of Commissioners in the manner provided by the Railroad Law to determine if said railway ought to be constructed; otherwise this grant shall cease and determine.

Second—The said right to construct, maintain and operate said railway shall be held and enjoyed by the Company from the date upon which this contract is signed by the Mayor until March 31, 1928, with the privilege of renewal of said contract for a further period of twenty-five (25) years, upon a fair revaluation of such right and privilege.

If the Company shall determine to exercise its privilege of renewal, it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time not earlier than two (2) years and not later than one (1) year before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but in no case shall the annual rate of compensation to the City be fixed at a less amount than the sum required to be paid during the last year prior to the termination of the original term of this contract.

If the Company and the Board shall not reach such agreement on or before the day one (1) year before the expiration of the original term of this contract, then the annual rate of compensation for such succeeding twenty-five (25) years shall be reasonable, and either the City (by the Board) or the Company shall be bound upon request of the other to enter into a written agreement with each other fixing the rate of such compensation at such amount as shall be reasonable, but in no case shall the annual rate so fixed be less than the sum required to be paid for the last year prior to the termination of the original term of this contract, and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate and at such amount as shall be determined by three disinterested freeholders selected in the following manner:

One disinterested freeholder shall be chosen by the Board; one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluation aforesaid. Such appraisers shall be chosen at least six (6) months prior to the expiration of this original contract and their report shall be filed with the Board within three (3) months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience and upon such information as they may obtain by inquiries and investigations, without the presence of either party. They shall have the right to examine any of the books of the Company and its officers under oath. The valuations so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum shall, in any event, be less than the sum required to be paid for the last year of the original term of this contract. If in any case the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate theretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company, each paying one-half thereof.

Third—The Company shall pay to the City for the privilege hereby granted the following sums of money:

(a) The sum of one thousand five hundred dollars ($1,500) in cash within three (3) months after the date on which this contract is signed by the Mayor, and before anything is done in exercise of the privilege hereby granted.

(b) During the first term of five (5) years an annual sum which shall in no case be less than six hundred and fifty dollars ($650), and which shall be equal to three (3) per cent. of its gross annual receipts if such percentage shall exceed the sum of six hundred and fifty dollars ($650).

During the second term of five (5) years an annual sum which shall in no case be less than one thousand two hundred dollars ($1,200), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of one thousand two hundred dollars ($1,200).

During the third term of five (5) years an annual sum which shall in no case be less than one thousand three hundred dollars ($1,300), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of one thousand three hundred dollars ($1,300).

During the remaining term, expiring March 31, 1928, an annual sum which shall in no case be less than one thousand four hundred dollars ($1,400), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of one thousand four hundred dollars ($1,400).

The gross annual receipts mentioned above shall be that portion of the gross receipts of the Company as shall bear the same proportion to its whole gross receipts as the length of the extension hereby authorized shall bear to the entire length of the railway of the Company in operation within the limits of the City.

The annual charges shall commence from the date upon which this contract is signed by the Mayor.

All annual charges as above shall be paid into the Treasury of the City on November 1 of each year and shall be for the amount due to September 30 next preceding. Provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following shall bear to the whole of one year.

Whenever the percentage required to be paid shall exceed the minimum amount as above, then such sum over and above such minimum shall be paid on or before November 1 in each year for the year ending September 30 next preceding.

The annual charges herein provided are intended to include the percentages of gross receipts now required to be paid by railway companies to the City, pursuant to the Railroad Law, as amended.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be made in addition to any and all taxes of whatsoever kind or description, now or hereafter required to be paid by any ordinance of the City, or resolution of the Board, or any law of the State of New York.

Fourth—The annual charges or payments shall continue throughout the whole term of this contract (whether original or renewal), notwithstanding any clause in any statute or in the charter of any other railway or railroad company providing for payment for railway or railroad rights or franchises at a different date, and no assignment, lease or sublease of the rights or privileges hereby granted (whether original or renewal), or of any part thereof, or of any of the routes mentioned herein, or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all the conditions of this contract; and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said conditions as to payments, anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemption from liability to perform each and all of the conditions of this contract.

Fifth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions, over the route hereinbefore described.

The use of the railway constructed by the Company under this contract, including the tracks, wires and other equipment or any structures used in connection therewith, in streets and avenues hereinbefore described, shall be permitted by the Company, to any individual or corporation to which the City may have granted, or may hereafter grant, the right or privilege to use such streets and avenues for street railway purposes, upon payment of an annual sum by such individual or corporation to the Company, which shall equal the legal interest on such proportion of the actual cost of the construction of such railway and structures, and additions and betterments thereto, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same; and also such proportion of the cost of keeping the tracks and electrical equipment in repair, and the cost of additions and betterments thereto, such proportion of laying and repairing of pavement and removal of snow and ice and all other duties imposed upon the Company by the terms of this contract in connection with the maintenance or the operation of said railway so used, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same, together with the actual cost of the power necessary for the operation of the cars thereon of such individual or corporation. Provided, however, that if, in the opinion of the Company, the legal rate of interest upon the cost of such railway shall be an insufficient sum to be paid for the use of such tracks, it may appeal to the Board and the Board may fix a percentage upon the cost to be paid to the Company, at a sum in excess of the legal rate of interest, if, in its opinion, such action is justified.

The Company shall not at any time oppose, but shall, upon the request of the Board, consent to the construction or operation of any street surface railway which may necessitate the use of any portion of the railway which shall be constructed by the Company pursuant to this contract.

Sixth—The rights and privileges hereby granted shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in anywise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Seventh—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the tracks and equipments of the Company constructed pursuant to this contract within the streets and avenues shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this contract as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of its tracks and other equipment constructed pursuant to this contract and the said streets and avenues shall be restored to their original condition at the sole cost and expense of the Company.

Eighth—The Company shall commence construction of the railway herein authorized within six (6) months from the date upon which the consents of the property owners are filed with the Board, or from the date of the order of the Appellate Division of the Supreme Court, made pursuant to section 174 of the Railroad Law, confirming the determination of the Commissioners appointed thereunder that such railway ought to be constructed, and shall complete the construction and place the same in full operation within twelve (12) months from the date of filing such consents or the date of such order; otherwise this right shall cease and determine, and all sums paid, or which may be deposited with the Comptroller of the City, as hereinafter provided, shall thereupon be forfeited to the City, provided that the period for commencement and the period for completion and placing the railway in full operation may be extended by the Board, but the total extension of time for either of such periods shall not exceed in the aggregate six (6) months; and provided, further, that when the commencement or completion of said construction shall be prevented by legal proceedings in any court or by works of public improvement, or from other causes not within control of the Company, the time for the commencement or completion of such construction may be extended for the period of such prevention, but no delay shall be allowed for unless the court proceedings shall be diligently prosecuted by the Company, and provided, further, that in no case shall such delay be deemed to begin until the Company shall have given written notice to the Board of any such court proceedings or other occasion of delay, and deliver to the Board copies of any injunction or other orders, and the papers upon which the same shall have been granted, and unless upon the request of the Board, the Company shall, in writing, consent that the Board either in its own name as a party or in the name of the City as a party may intervene in any such proceedings.

Ninth—Said railway shall be constructed and operated in the latest approved manner of street railway construction and operation, and it is hereby agreed that the Board may require the Company to improve or add to the railway equipment, including rolling stock and railway appurtenances, from time to time, as such additions and improvements are necessary, in the opinion of the Board. Upon failure on the part of the Company to comply with the direction of the Board within a reasonable time, the rights hereby granted shall cease and determine.

Tenth—Said railway shall be constructed, maintained and operated subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City.

No construction upon said railway shall be commenced until written permits have been obtained from the proper City officials.

In any permits so issued such officials may also impose such conditions, as a condition of the granting of the same, as are necessary for the purpose of protecting any structures in the streets and avenues over which such officials have jurisdiction, and the Company shall comply with such conditions.

The electrical equipment to be installed by the Company for the operation of the railway within the limits of the City, whether the same be upon streets and avenues or upon private property, shall be constructed and maintained under the supervision and control of the Commissioner of Water Supply, Gas and Electricity.

Eleventh—Said railway may be operated by overhead electric power, substantially similar to the overhead electric system now in use by street surface railways in the Borough of The Bronx, or by any other motive power, except locomotive steam power or horse power, which may be approved by the Board, and consented to by the abutting property owners, in accordance with the provisions of law, and by the Public Service Commission for the First District of the State of New York. Provided, however, that the Board, upon giving to the Company one (1) year's notice, may require the Company to operate such railway upon the whole or upon any portion of its route, by underground electric power, substantially similar to the system now in use on the street surface railways in the Borough of Manhattan, or by any other practical motive power then in use which does not require the use of poles and overhead wires in the streets and avenues, and thereupon to discontinue the use of the overhead trolley system, and to remove its poles, wires and other structures used by it for that purpose from the streets and avenues of the City.

Twelfth—Upon six (6) months' notice by the Board to the Company, all wires for the transmission of power, except trolley wires, for the operation of the railway, upon all or any portion of the route hereby authorized, shall be placed in conduits beneath or alongside of the railway. The Company shall provide in such conduits two (2) ducts not less than three (3) inches in diameter for the exclusive use of the City. Such ducts shall be used only by the Company for the operation of its railway and by the City, as above.

Thirteenth—The rate of fare for any passenger upon said railway shall not exceed five (5) cents, and the Company shall not charge any passenger more than five (5) cents for one continuous ride from any point on its road or on any road, line or branch operated by it or under its control, to any other point thereof, or any connecting branch thereof within the limits of the City.

The Company shall carry free upon the railway hereby authorized, during the term of this contract, all members of the Police and Fire Departments of the City, when such employees are in full uniform.

Fourteenth—No cars shall be operated upon the railway hereby authorized other than passenger cars and cars necessary for the repair or maintenance of the railway, and no freight cars shall be operated upon the tracks of said railway.

Fifteenth—The Company shall attach to each car run over the said railroad proper fenders and wheelguards, in conformity with such laws and ordinances as are now in force, or may hereafter during the term of this contract be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Sixteenth—All cars which are operated on said railway shall be heated during the cold weather, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Seventeenth—All cars operated on said railway shall be well lighted by electricity, or by some lighting system equally efficient or as may be required by resolution of the Board.

Eighteenth—Cars on said railway shall run at intervals of not more than thirty (30) minutes both day and night, and as much oftener as reasonable convenience of the public may require, or as may be directed by the Board. Provided, however, that the Company shall not be required to operate its cars between the hours of 1 o'clock a. m. and 5 o'clock a. m., each day, unless the Board shall determine after a hearing had thereon, that public convenience requires the operation of cars during said hours.

Nineteenth—The Company, so long as it shall continue to use any of the tracks upon the streets and avenues in which said railway shall be constructed, shall cause to be watered at least three (3) times every twenty-four (24) hours when the temperature is above thirty-five (35) degrees Fahrenheit, the entire width of the streets and avenues, except when the width of such streets and avenues shall exceed sixty (60) feet between curblines, in which case the Company shall cause to be watered only sixty (60) feet in width of such roadway, and the Company shall provide for such purpose at least one tank car, the capacity of which shall be sufficient to water such streets and avenues in a satisfactory manner.

Twentieth—The Company shall at all times keep the streets and avenues upon which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails, on either side thereof, free and clear from ice and snow; provided, however, that the Company shall, at the option of the Commissioner of Street Cleaning, enter into an agreement for each winter season, or part thereof, to clean an equivalent amount of street surface from house line to house line.

Twenty-first—As long as said railway, or any portion thereof, remains in any street or avenue, the Company shall pave and keep in permanent repair that portion of the surface of the street or avenue in which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails on either side thereof, under the supervision of the local authorities, whenever required by them to do so, and in such manner as they may prescribe. In case of the neglect of the Company to make pavement or repairs after the expiration of thirty (30) days' notice to do so from the President of the Borough of The Bronx, said President may make the same at the expense of the Company. And the City shall have the right to change the material or character of the pavement of any street or avenue, and in that event the Company shall be bound to replace such pavement in the manner directed by the proper City official, at its own expense, and the provisions as to repairs herein contained shall apply to such renewed or altered pavement.

Twenty-second—Any alteration to the sewerage or drainage systems, or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the railway, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Twenty-third—It is agreed that the right hereby granted to operate a street surface railway shall not be in preference or in hindrance to public work of the City, and should the said railway in any way interfere with the construction of public works in the streets and avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the tracks and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Twenty-fourth—Should the grades or lines of the streets and avenues in which the railway is hereby authorized be changed at any time after the railway has been constructed and during the term of this contract, the Company shall, at its own expense, change its tracks and appurtenances to conform with such new grades and lines, and during the construction of any public improvement upon said streets and avenues, the Company shall take care of and protect the tracks and appurtenances at its own expense, all to be done subject to the direction of the City officials having jurisdiction over the construction of such change.

Twenty-fifth—The Company shall submit to the Board a report not later than November 1 of each year for the year ending September 30 next preceding, and at any other time, upon request of the Board, which shall state:

1. The amount of stock issued, for cash, for property.
2. The amount paid in as by last report.
3. The total amount of capital stock paid in.
4. The funded debt by last report.
5. The total amount of funded debt.
6. The floating debt as by last report.
7. The total amount of floating debt.
8. The total amount of funded and floating debt.
9. The average rate per annum of interest on funded debt.
10. Statement of dividends paid during the year.
11. The total amount expended for same.
12. The names of the directors elected at the last meeting of the corporation held for such purpose.
13. Location, value and amount paid for real estate owned by the Company by last report.
14. Location, value and amount paid for real estate now owned by the Company.
15. Number of passengers carried during the year.
16. Total receipts of Company for each class of business.
17. Amounts paid by the Company for damage to persons or property on account of construction and operation.
18. Total expense for operation, including salaries.

—and such other information in regard to the business of the Company as may be required by the Board.

Twenty-sixth—The Company shall at all times keep accurate books of account of the gross receipts from all sources within the limits of the City, and shall, on or before November 1 of each year, make a verified report to the Comptroller of the City of the business done by the Company, for the year ending September 30 next preceding, in such form as he may prescribe. Such report shall contain a statement of such gross receipts, the total miles in operation within the limits of the City and the miles of railway constructed and operated under this contract, and such other information as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctness of its report, and may examine its officers under oath.

Twenty-seventh—In case of any violation or breach of failure to comply with any of the provisions herein contained, or with any orders of the Board acting under the powers herein reserved, the franchise or consent herein granted may be forfeited by a suit brought by the Corporation Counsel on notice of ten (10) days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the railway constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Twenty-eighth—If the Company shall fail to give efficient public service at the rates herein fixed, or fail to maintain its structures and equipment as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company, specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time; and upon failure of the Company to remedy such default within a reasonable time, the Company shall, for each day thereafter during which the default or defect remains, pay to the City the sum of two hundred and fifty dollars ($250) as fixed or liquidated damages, or the Board, in case such structures or equipment which may affect tte surface of the streets shall not be put in good condition within a reasonable

time after notice by the Board as aforesaid shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Twenty-ninth—The Company shall assume all liability to persons or property by reason of the construction or operation of the railway authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

Thirtieth—This grant is upon the express condition that any and all sums of money or any and all securities heretofore deposited with the Comptroller by the Company under and pursuant to franchises heretofore granted to it by the City as a fund for the security for the performance by the Company of the terms and conditions of the franchises so granted, shall likewise be a fund for the security for the faithful performance by the Company of all the terms and conditions of this contract and compliance with all orders of the Board acting under the powers herein reserved, especially those which relate to the payment of the annual charges for the privilege hereby granted, the rendering of efficient public service at the rates herein fixed, the repairs of the street pavement, the removal of snow and ice, the quality of construction of the railway and the maintenance of the property in good condition throughout the whole term of this contract, and in case of default in the performance by the Company of such terms and conditions, or compliance with such orders, or either or any of them, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof, after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or, after default in the payment of the annual charges, shall collect the same, with interest, from the said fund after ten (10) days' notice to the Company, or, in case of failure to observe the said terms and conditions of this contract and orders of the Board acting hereunder, relating to the headway, heating and lighting of cars, fenders, wheelguards and watering of street pavements, the Company shall pay a penalty of fifty dollars ($50) per day for each day of violation, and the further sum of ten dollars ($10) per day for each car that shall not be properly heated, lighted or supplied with fenders or wheelguards, in case of a violation of the provisions relating to those matters, all of which sums may be deducted from such fund.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company, directing its President, or other officer, to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing, appears in the judgment of the Board to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice, pay to the City a sum sufficient to restore said security fund to the original amount, and in default thereof this contract shall be canceled and annulled at the option of the Board, acting in behalf of the City. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Thirty-first—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Thirty-second—The words "streets or avenues" and "streets and avenues," wherever used in this contract, shall be deemed to mean "streets, avenues, highways, parkways, driveways, concourses, boulevards, bridges, viaducts, tunnels, public places or any other property to which the City has title or over which the public has any easement" encountered in the route hereinabove described, and upon or in which authority is hereby given to the Company to construct a railway.

Thirty-third—If at any time the powers of the Board or any other of the authorities herein mentioned, or intended to be mentioned, shall be transferred by law to any other board, authority, officer or officers, then and in such case such other board, authority, officer or officers, shall have all the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Section 3. The grant of this privilege to the Company is likewise subject to the following condition:

This contract shall not become operative until the Company shall procure and cause to be executed and approved in proper form for record and duly delivered to the Board, an agreement wherein the Union Railway Company of New York City, the Southern Boulevard Railroad Company and the Company shall each agree between themselves and with the City that a passenger paying a single fare upon a car on the east or west lines of any of said companies shall receive, without further payment, a ride north or south on any line of the other companies, and a passenger paying a single fare upon a car on a north or south line of any of said companies shall receive a ride east or west on any line of the other companies without further payment at points of intersection, and that a passenger may continue in the direction in which his fare was first paid on any other line, without further payments. Upon the failure of the said three companies or any of them to furnish such a continuous ride for one fare over their routes, or over any part of their routes, as herein provided, at any time during the term of this grant or any renewal or renewals thereof, the rights hereby granted shall thereupon cease and determine.

Section 4. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the laws of the State of New York.

Section 5. This grant is also upon the further and express condition that the provisions of article 5, and other provisions of the Railroad Law pertinent hereto, shall be strictly complied with by the Company.

Section 6. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers, thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By Mayor.
(CORPORATE SEAL.)
Attest: City Clerk.

NEW YORK CITY INTERBOROUGH RAILWAY COMPANY,
By President.
(SEAL.)
Attest: Secretary.

(Here add acknowledgments.)

Agreement, made this day of 1911, between the Union Railway Company of New York City (hereinafter called Union Company), party of the first part; the Southern Boulevard Railroad Company (hereinafter called Boulevard Company), party of the second part; New York City Interborough Railway Company (hereinafter called Interborough Company), party of the third part, and The City of New York (hereinafter called the City), party of the fourth part.

Whereas, The Interborough Company, on March 31, 1911, applied to the Board of Estimate and Apportionment as the local authority of said City for the right to construct, maintain and operate four extensions to its street surface railway, in the Boroughs of Manhattan and The Bronx; and

Whereas, On 1911, resolutions granting the right to construct, maintain and operate two of such extensions and authorizing the Mayor to execute and deliver the contracts for said rights in the name and on behalf of The City of New York, were approved by the Mayor; and

Whereas, Said contracts each provide that the same shall not become operative until the Interborough Company shall procure and cause to be executed and approved in proper form for record and duly delivered to the Board, an agreement wherein the Union Railway Company of New York City, the Southern Boulevard Railroad Company and the Company shall each agree between themselves and with the City that a passenger paying a single fare upon a car on the east or west lines of any of said companies shall receive, without further payment, a ride north or south on any line of the other companies, and a passenger paying a single fare upon a car on a north or south line of any of said companies shall receive a ride east or west on any line of the other companies without further payment at points of intersection, and that a passenger may continue in the direction in which his fare was first paid on any other line without further payments.

Now, therefore, in consideration of the premises and of the sum of one dollar by each of the parties of the first, second and third parts to the others paid, the receipt whereof is hereby acknowledged, the parties of the first, second and third parts do each hereby covenant and agree with each other and with the party of the fourth part that a passenger paying a single fare upon a car on the east or west lines of any of said companies shall receive, without further payment, a ride north or south on any line of the other companies, and a passenger paying a single fare upon a car on a north and south line of any of said companies shall receive a ride east or west on any line of the other companies, without further payment at points of intersection, and that a passenger may continue in the direction in which his fare was first paid on any other line without further payments.

In witness whereof, the Union Company, Boulevard Company and Interborough Company, by their officers thereunto duly authorized, have caused their corporate names to be hereunto signed and their corporate seals to be hereunto affixed the day and year first above written.

UNION RAILWAY COMPANY OF NEW YORK CITY,
By President.
(SEAL.)
Attest: Secretary.

THE SOUTHERN BOULEVARD RAILROAD COMPANY,
By President.
(SEAL.)
Attest: Secretary.

NEW YORK CITY INTERBOROUGH RAILWAY COMPANY,
By President.
(SEAL.)
Attest: Secretary.

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted and the adequacy of the compensation proposed to be paid therefor, and of the terms and conditions, including the provisions as to rates, fares and charges, are as hereinbefore specified and fully set forth in and by the foregoing form of proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions, including the said resolution for the grant of a franchise or right applied for by the New York City Interborough Railway Company, and the said form of a proposed contract for the grant of such franchise or right containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, September 21, 1911, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to Thursday, September 21, 1911, in two (2) daily newspapers to be designated by the Mayor therefor, and published in The City of New York at the expense of the New York City Interborough Railway Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the grant of the franchise or right applied for by the New York City Interborough Railway Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing any such contract, will, at a meeting of said Board, to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, September 21, 1911, at 10.30 o'clock a. m., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

(The "New York Press" and "New York Herald" designated.)

Dated New York July 6, 1911. a28,s21.

JOSEPH HAAG, Secretary.

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment, held this day, July 6, 1911, the following resolutions were adopted:

Whereas, The New York City Interborough Railway Company has, under date of March 31, 1911, made application to this Board for the grant of the right, privilege and franchise to construct, maintain and operate a double track street surface railway as an extension to its existing system upon and along East 149th street from St. Anns avenue to the Southern boulevard, and upon and along the Southern boulevard, from East 149th street to Leggett avenue, Borough of The Bronx; and

Whereas, Section 172 of the Railroad Law and sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on April 6, 1911, fixing the date for public hearing thereon as April 27, 1911, at which citizens were entitled to appear and be heard, and publication was had for at least fourteen (14) days in the "Morning Telegraph" and "New York Sun," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing, and the public hearing was duly had on such day; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for, and proposed to be granted to the New York City Interborough Railway Company and the adequacy of the compensation proposed to be paid therefor; now, therefore, it is

Resolved, That the following form of resolution for the grant of the franchise or right applied for by the New York City Interborough Railway Company, containing the form of proposed contract for the grant of such franchise or right, be hereby introduced, and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the New York City Interborough Railway Company the franchise or right fully set out and described in the following form of proposed contract for the grant thereof, embodying all of the terms and conditions, including the provisions as to rates, fares and charges, upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract, in the name and on behalf of The City of New York, as follows, to wit:

Proposed Form of Contract.

This contract, made this day of 1911, by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the New York City Interborough Railway Company (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate a double track extension to its street surface railway, with the necessary wires and equipment for the purpose of conveying passengers only, in the Borough of The Bronx, in The City of New York, upon the following route, to wit:

Beginning on East 149th street, at its intersection with St. Anns avenue, and there connecting with the road for which the Company has a franchise in East 149th street; thence easterly in and upon East 149th street to the Southern boulevard; thence northeasterly in and upon the Southern boulevard to Leggett avenue, and there connecting with the road for which the Company has a franchise in Leggett avenue; and to cross such other streets and avenues, named and unnamed, as may be encountered in said route. Provided, however, that nothing in this contract shall be construed as permitting more than a double track in any portion of Southern boulevard.

The said route, with turnouts, switches and cross-overs hereby authorized, is shown upon a map, entitled:

"Map showing proposed extensions of the New York City Interborough Railway Company in the Boroughs of Manhattan and The Bronx, City of New York, to accompany petition dated March 31, 1911, to the Board of Estimate and Apportionment"

—and signed by Edward A. Maher, President, and A. E. Kalbach, Engineer, a copy of which is attached hereto, is to be deemed a part of this contract, is to be construed with the text thereof, and is to be substantially followed, provided that deviations therefrom and additional turn-outs, switches and cross-overs which are consistent with the foregoing description, and the other provisions of this contract may be permitted by resolution of the Board.

Section 2. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company:

First—The consent, in writing, of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway shall be obtained by the Company within three (3) months from the signing of this contract by the Mayor, and a copy of such consents shall be filed with the Board within such time, or in the event that such consents cannot be obtained within such time, the Company shall, within said three (3) months, or within one (1) month thereafter, make application to the Appellate Division of the Supreme Court for the appointment of Commissioners in the manner provided by the Railroad Law to determine if said railway ought to be constructed; otherwise this grant shall cease and determine.

Second—The said right to construct, maintain and operate said railway shall be held and enjoyed by the Company from the date upon which this contract is signed by the Mayor until March 31, 1928, with the privilege of renewal of said contract for the further period of twenty-five (25) years, upon a fair revaluation of such right and privilege.

If the Company shall determine to exercise its privilege of renewal it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time not earlier than two (2) years, and not later than one (1) year, before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but in no case shall the annual rate of compensation to the City be fixed at a less amount than the sum required to be paid during the last year prior to the termination of the original term of this contract.

If the Company and the Board shall not reach such agreement on or before the day one (1) year before the expiration of the original term of this contract, then the annual rate of compensation for such succeeding twenty-five (25) years shall be reasonable, and either the City (by the Board) or the Company shall be bound upon request of the other to enter into a written agreement with each other fixing the rate of such compensation at such amount as shall be reasonable, but in no case shall the annual rate so fixed be less than the sum required to be paid for the last year prior to the termination of the original term of this contract, and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate, and at such amount as shall be determined by three disinterested freeholders selected in the following manner:

One disinterested freeholder shall be chosen by the Board; one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluation aforesaid. Such appraisers shall be chosen at least six (6) months prior to the expiration of this original contract, and their report shall be filed with the Board within three (3) months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience and upon such information as they may obtain by inquiries and investigations, without the presence of either party. They shall have the right to examine any of the books of the Company and its officers under oath. The valuations so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum shall, in any event, be less than the sum required to be paid for the last year of the original term of this contract. If in any case the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate theretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company, each paying one-half thereof.

Third—The Company shall pay to the City for the privilege hereby granted, the following sums of money:

(a) The sum of one thousand dollars ($1,000) in cash within three (3) months after the date on which this contract is signed by the Mayor, and before anything is done in exercise of the privilege hereby granted.

(b) During the first term of five (5) years an annual sum which shall in no case be less than five hundred and fifty dollars ($550), and which shall be equal to three (3) per cent. of its gross annual receipts if such percentage shall exceed the sum of five hundred and fifty dollars ($550).

During the second term of five (5) years an annual sum which shall in no case be less than one thousand dollars ($1,000), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of one thousand dollars ($1,000).

During the third term of five (5) years an annual sum which shall in no case be less than one thousand one hundred dollars ($1,100), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of one thousand one hundred dollars ($1,100).

During the remaining term expiring March 31, 1928, an annual sum which shall in no case be less than one thousand two hundred dollars ($1,200), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of one thousand two hundred dollars ($1,200).

The gross annual receipts mentioned above shall be that portion of the gross receipts of the Company as shall bear the same proportion to its whole gross receipts as the length of the extension hereby authorized shall bear to the entire length of the railway of the Company in operation within the limits of the City.

The annual charges shall commence from the date upon which this contract is signed by the Mayor.

All annual charges as above shall be paid into the treasury of the City on November 1 of each year, and shall be for the amount due to September 30 next preceding. Provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following shall bear to the whole of one year.

Whenever the percentage required to be paid shall exceed the minimum amount as above, then such sum over and above such minimum shall be paid on or before November 1 in each year for the year ending September 30 next preceding.

The annual charges herein provided are intended to include the percentages of gross receipts now required to be paid by railway companies to the City pursuant to the Railroad Law, as amended.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be made in addition to any and all taxes of whatsoever kind or description, now or hereafter required to be paid by any ordinance of the City or resolution of the Board, or any law of the State of New York.

Fourth—The annual charges or payments shall continue throughout the whole term of this contract (whether original or renewal), notwithstanding any clause in any statute or in the charter of any other railway or railroad company providing for payment for railway or railroad rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted (whether original or renewal), or of any part thereof, or of any of the routes mentioned herein, or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all the conditions of this contract, and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said conditions as to payments, anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemptions from liability to perform each and all of the conditions of this contract.

Fifth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions, over the route hereinbefore described.

The use of the railway constructed by the Company under this contract, including the tracks, wires and other equipment or any structures used in connection therewith, in streets and avenues hereinbefore described shall be permitted by the Company, to any individual or corporation to which the City may have granted, or may hereafter grant, the right or privilege to use such streets and avenues for street railway purposes, upon payment of an annual sum by such individual or corporation to the Company, which shall equal the legal interest on such proportion of the actual cost of the construction of such railway and structures, and additions and betterments thereto, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same; and also such proportion of the cost of keeping the tracks and electrical equipment in repair, and the cost of additions and betterments thereto, such proportion of laying and repairing of pavement and removal of snow and ice and all other duties imposed upon the Company by the terms of this contract in connection with the maintenance or the operation of said railway so used, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same, together with the actual cost of the power necessary for the operation of the cars thereon of such individual or corporation. Provided, however, that if, in the opinion of the Company, the legal rate of interest upon the cost of such railway shall be an insufficient sum

to be paid for the use of such tracks, it may appeal to the Board and the Board may fix a percentage upon the cost to be paid to the Company, at a sum in excess of the legal rate of interest, if, in its opinion, such action is justified.

The Company shall not at any time oppose, but shall, upon the request of the Board, consent to the construction or operation of any street surface railway which may necessitate the use of any portion of the railway which shall be constructed by the Company pursuant to this contract.

Sixth—The Company covenants and agrees to abandon and relinquish, and does hereby abandon and relinquish to the City all its rights and franchises to construct, maintain and operate a street surface railway upon the route beginning at the intersection of East 149th street with St. Anns avenue; thence northerly on and along St. Anns avenue to East 156th street; thence easterly on and along said East 156th street to its intersection with Leggett avenue or Craven street; thence southerly and easterly on and along Leggett avenue or Craven street to its intersection with Southern boulevard, all in the Borough of The Bronx, and the Company shall, within one year from the date on which this contract is signed by the Mayor, comply with the provisions of law in regard to the abandonment of said route so abandoned and relinquished, and shall remove therefrom any and all existing tracks of the Company within such time, and restore the pavement in the manner prescribed by the President of the Borough of The Bronx, otherwise this contract shall be void and of no effect. Provided, however, the Board may extend said period for a period or periods not exceeding in the aggregate six months.

Seventh—The rights and privileges hereby granted shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company, or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in any wise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Eighth—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the tracks and equipments of the Company constructed, pursuant to this contract, within the streets and avenues shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this contract, as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of its tracks and other equipment constructed pursuant to this contract, and the said streets and avenues shall be restored to their original condition at the sole cost and expense of the Company.

Ninth—The Company shall commence construction of the railway herein authorized within six (6) months from the date upon which the consents of the property owners are filed with the Board, or from the date of the order of the Appellate Division of the Supreme Court, made pursuant to section 174 of the Railroad Law confirming the determination of the Commissioners appointed thereunder, that such railway ought to be constructed and shall complete the construction and place the same in full operation within twelve (12) months from the date of filing such consents, or the date of such order, otherwise this right shall cease and determine, and all sums paid, or which may be deposited with the Comptroller of the City, as hereinafter provided, shall thereupon be forfeited to the City, provided that the period for commencement and the period for completion and placing the railway in full operation may be extended by the Board, but the total extension of time for either of such periods shall not exceed in the aggregate six (6) months; and provided, further, that when the commencement or completion of said construction shall be prevented by legal proceedings in any court or by works of public improvement, or from other causes not within control of the Company, the time for the commencement or completion of such construction may be extended for the period of such prevention, but no delay shall be allowed for unless the court proceedings shall be diligently prosecuted by the Company, and provided further, that in no case shall such delay be deemed to begin until the Company shall have given written notice to the Board of any such court proceedings or other occasion of delay, and deliver to the Board copies of any injunction or other orders, and the papers upon which the same shall have been granted, and unless upon the request of the Board the Company shall, in writing, consent that the Board, either in its own name as a party, or in the name of the City as a party, may intervene in any such proceedings.

Tenth—Said railway shall be constructed and operated in the latest approved manner of street railway construction and operation, and it is hereby agreed that the Board may require the Company to improve or add to the railway equipment, including rolling stock and railway appurtenances, from time to time, as such additions and improvements are necessary, in opinion of the Board. Upon failure on the part of the Company to comply with the direction of the Board within a reasonable time, the rights hereby granted shall cease and determine.

Eleventh—Said railway shall be constructed, maintained and operated subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City.

No construction upon said railway shall be commenced until written permits have been obtained from the proper City officials.

In any permits so issued such officials may also impose such conditions, as a condition of the granting of the same, as are necessary for the purpose of protecting any structures, in the streets and avenues, over which such officials have jurisdiction, and the Company shall comply with such conditions.

The electrical equipment to be installed by the Company for the operation of the railway within the limits of the City, whether the same be upon streets and avenues or upon private property, shall be constructed and maintained under the supervision and control of the Commissioner of Water Supply, Gas and Electricity.

Twelfth—Said railway may be operated by overhead electric power substantially similar to the overhead electric system now in use by street surface railways in the Borough of The Bronx, or by any other motive power, except locomotive steam power or horse power, which may be approved by the Board, and consented to by the abutting property owners, in accordance with the provisions of law, and by the Public Service Commission for the First District of the State of New York.

Provided, however, that the Board, upon giving to the Company one (1) year's notice, may require the Company to operate its railway upon the whole or upon any portion of its route, by underground electric power substantially similar to the system now in use on the street surface railways in the Borough of Manhattan, or by any other practical motive power then in use which does not require the use of poles and overhead wires in the streets and avenues, and thereupon to discontinue the use of the overhead trolley system, and to remove its poles, wires and other structures used by it for that purpose from the streets and avenues of the City.

Thirteenth—Upon six (6) months' notice by the Board to the Company, all wires for the transmission of power, except trolley wires, for the operation of the railway, upon all or any portion of the route hereby authorized, shall be placed in conduits beneath or alongside of the railway. The Company shall provide in such conduits two (2) ducts not less than three (3) inches in diameter for the exclusive use of the City. Such ducts shall be used only by the Company for the operation of its railway and by the City as above.

Fourteenth—The rate of fare for any passenger upon said railway shall not exceed five (5) cents, and the Company shall not charge any passenger more than five (5) cents for one continuous ride from any point on its road or on any road, line or branch operated by it or under its control to any other point thereof, or any connecting branch thereof within the limits of the City.

The Company shall carry free upon the railway hereby authorized during the term of this contract all members of the Police and Fire Departments of the City, when such employees are in full uniform.

Fifteenth—No cars shall be operated upon the railway hereby authorized other than passenger cars and cars necessary for the repair or maintenance of the railway, and no freight cars shall be operated upon the tracks of said railway.

Sixteenth—The Company shall attach to each car run over the said railway proper fenders and wheelguards, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Seventeenth—All cars which are operated on said railway shall be heated during the cold weather, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Eighteenth—All cars operated on said railway shall be well lighted by electricity, or by some lighting system equally efficient, or as may be required by resolution of the Board.

Nineteenth—Cars on the said railway shall run at intervals of not more than thirty (30) minutes both day and night, and as much oftener as reasonable convenience of the public may require, or as may be directed by the Board.

Twentieth—The Company, so long as it shall continue to use any of the tracks upon the streets and avenues in which said railway shall be constructed, shall cause to be watered at least three (3) times every twenty-four (24) hours when the temperature is above thirty-five (35) degrees Fahrenheit, the entire width of the streets and avenues, except when the width of such streets and avenues shall exceed sixty (60) feet between curb lines, in which case the Company shall cause to be watered only sixty (60) feet in width of such roadway, and the Company shall provide for such purpose at least one tank car, the capacity of which shall be sufficient to water such streets and avenues in a satisfactory manner.

Twenty-first—The Company shall at all times keep the streets and avenues upon which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails, on either side thereof, free and clear from ice and snow; provided, however, that the Company shall, at the option of the Commissioner of Street Cleaning, enter into an agreement for each winter season, or part thereof, to clean an equivalent amount of street surface from house line to house line.

Twenty-second—As long as said railway, or any portion thereof, remains in any street or avenue, the Company shall pave and keep in permanent repair that portion of the surface of the street or avenue in which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails on either side thereof, under the supervision of the local authorities, whenever required by them to do so, and in such manner as they may prescribe. In case of the neglect of the Company to make pavement or repairs after the expiration of thirty (30) days' notice to do so from the President of the Borough of The Bronx, said President may make the same at the expense of the Company. And the City shall have the right to change the material or character of the pavement of any street or avenue, and in that event the Company shall be bound to replace such pavement in the manner directed by the proper City official, at its own expense, and the provisions as to repairs herein contained shall apply to such renewed or altered pavement.

Twenty-third—Any alteration to the sewerage or drainage systems or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the railway, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Twenty-fourth—It is agreed that the right hereby granted to operate a street surface railway shall not be in preference or in hindrance of public work of the City, and should the said railway in any way interfere with the construction of public works in the streets and avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the tracks and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Twenty-fifth—Should the grades or lines of the streets and avenues in which the railway is hereby authorized be changed at any time after the railway has been constructed and during the term of this contract, the Company shall, at its own expense, change its tracks and appurtenances to conform with such new grades and lines, and during the construction of any public improvement upon said streets and avenues, the Company shall take care of and protect the tracks and appurtenances at its own expense, all to be done subject to the direction of the City official having jurisdiction over the construction of such change.

Twenty-sixth—The Company shall submit to the Board a report not later than November 1 of each year for the year ending September 30 next preceding, and at any other time, upon request of the Board, which shall state:

1. The amount of stock issued, for cash, for property.
2. The amount paid in as by last report.
3. The total amount of capital stock paid in.
4. The funded debt by last report.
5. The total amount of funded debt.
6. The floating debt as by last report.
7. The total amount of floating debt.
8. The total amount of funded and floating debt.
9. The average rate per annum of interest on funded debt.
10. Statement of dividends paid during the year.
11. The total amount expended for same.
12. The names of the directors elected at the last meeting of the corporation held for such purpose.
13. Location, value and amount paid for real estate owned by the Company as by last report.
14. Location, value and amount paid for real estate now owned by the Company.
15. Number of passengers carried during the year.
16. Total receipts of Company for each class of business.
17. Amounts paid by the Company for damage to persons or property on account of construction and operation.
18. Total expenses for operation, including salaries.

—and such other information in regard to the business of the Company as may be required by the Board.

Twenty-seventh—The Company shall at all times keep accurate books of account of the gross receipts from all sources within the limits of the City, and shall, on or before November 1, of each year, make a verified report to the Comptroller of the City of the business done by the Company for the year ending September 30 next preceding, in such form as he may prescribe. Such report shall contain a statement of such gross receipts, the total miles in operation within the limits of the City and the miles of railway constructed and operated under this contract, and such other information as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctness of its report, and may examine its officers under oath.

Twenty-eighth—In case of any violation or breach or failure to comply with any of the provisions herein contained, or with any orders of the Board acting under the powers herein reserved, the franchise or consent herein granted may be forfeited by a suit brought by the Corporation Counsel, on notice of ten (10) days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the railway constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Twenty-ninth—If the Company shall fail to give efficient public service at the rates herein fixed, or fail to maintain its structures and equipment as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time, and upon failure of the Company to remedy such default within a reasonable time, the Company shall, for each day thereafter during which the default or defect remains, pay to the City the sum of two hundred and fifty dollars ($250), as fixed or liquidated damages, or the Board, in case such structures or equipment which may affect the surface of the streets shall not be put in good condition within a reasonable time after notice, the Board, as aforesaid, shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Thirtieth—The Company shall assume all liability to persons or property by reason of the construction or operation of the railway authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

Thirty-first—This grant is upon the express condition that any and all sums of money or any and all securities heretofore deposited with the Comptroller by the Company under and pursuant to franchises heretofore granted to it by the City as a fund for the security for the performance by the Company of the terms and conditions of the franchise so granted, shall likewise be a fund for the security for the faithful performance by the Company of all the terms and conditions of this contract and compliance with all orders of the Board acting under the powers herein reserved, especially those which relate to the payment of the annual charges for the privilege hereby granted, the rendering of efficient public service at the rates herein fixed, the repairs of the street pavement, the removal of snow and ice, the quality of construction of the railway and the maintenance of the property in good condition throughout the whole term of this contract, and in case of default in the performance by the Company of such terms and conditions, or compliance with such orders, or either or any of them, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof, after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or after default in the payment of the annual charges, shall collect the same, with interest, from the said fund after ten (10) days' notice to the Company, or, in case of failure to observe the said terms and conditions of this contract and orders of the Board acting hereunder, relating to the headway, heating and lighting of cars, fenders, wheelguards and watering of street pavements, the Company shall pay a penalty of fifty dollars ($50) per day for each day of violation, and the further sum of ten dollars ($10) per day for each car that shall not be properly heated, lighted or supplied with fenders or wheelguards, in case of a violation of the provisions relating to these matters, all of which sums may be deducted from such fund.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company, directing its President or other officer to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing appears in the judgment of the Board to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice, pay to the City a sum sufficient to restore said security fund to the original amount, and in default thereof this contract shall be canceled and annulled at the option of the Board, acting in behalf of the City. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Thirty-second—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Thirty-third—The words "streets or avenues" and "streets and avenues" wherever used in this contract shall be deemed to mean "streets, avenues, highways, parkways, driveways, concourses, boulevards, bridges, viaducts, tunnels, public places or any other property to which the City has title, or over which the public has an easement," encountered in the route hereinabove described, and upon or in which authority is hereby given to the Company to construct a railway.

Thirty-fourth—If at any time the powers of the Board or any other of the authorities herein mentioned or intended to be mentioned shall be transferred by law to any other board, authority, officer or officers, then and in such case such other board, authority, officer or officers, shall have all the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Section 3. The grant of this privilege to the Company is likewise subject to the following conditions:

This contract shall not become operative until the Company shall procure and cause to be executed and approved in proper form for record and duly delivered to the Board of Estimate and Apportionment:

First—An agreement with the Southern Boulevard Railroad Company, wherein said Company shall agree to permit the use of its tracks on Southern boulevard, between East 149th street and Leggett avenue, by the Company, its successors or assigns, the City, or any other company to which the City may, after the termination of this contract, grant or lease rights, and the compensation for such use shall not exceed the terms provided by section 2, Fifth, of this contract.

Upon the failure of the said Southern Boulevard Railroad Company for any reason at any time hereafter to permit the use of its tracks on Southern boulevard, between East 149th street and Leggett avenue by the Company, its successors or assigns, the City, or any other company to which the City may, after the termination of this contract, grant or lease rights, the rights hereby granted shall cease and determine.

Second—An agreement wherein the Union Railway Company of New York City, the Southern Boulevard Railroad Company and the Company shall each agree between themselves and with the City that a passenger paying a single fare upon a car on the east or west lines of any of said companies shall receive, without further payment, a ride north or south on any line of the other companies, and a passenger paying a single fare upon a car on a north or south line of any of said companies shall receive a ride east or west on any line of the other companies without further payment at points of intersection, and that a passenger may continue in the direction in which his fare was first paid on any other line, without further payments. Upon the failure of the said three companies or any of them to furnish such a continuous ride for one fare over their routes, or over any part of their routes, as herein provided, at any time during the term of this grant or any renewal or renewals thereof, the rights hereby granted shall thereupon cease and determine.

Section 4. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the Laws of the State of New York.

Section 5. This grant is also upon the further and express condition that the provisions of article 5 and other provisions of the Railroad Law, pertinent hereto, shall be strictly complied with by the Company.

Section 6. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By Mayor.
(CORPORATE SEAL.)
Attest: City Clerk.

NEW YORK CITY INTERBOROUGH RAILWAY COMPANY,
By President.
(SEAL.)
Attest: Secretary.

(Here add acknowledgments.)

Agreement, made this day of 1911, between the Southern Boulevard Railroad Company (hereinafter called Boulevard Company), party of the first part, New York City Interborough Railway Company (hereinafter called Interborough Company), party of the second part, and The City of New York (hereinafter called the City), party of the third part.

Whereas, The Interborough Company, on March 31, 1911, applied to the Board of Estimate and Apportionment, as the local authority of said City, for the right to construct, maintain and operate four extensions to its street surface railway in the Boroughs of Manhattan and The Bronx; and

Whereas, On 1911, a resolution granting the right to construct, maintain and operate one of such extensions, to wit: On East 149th street, from St. Anns avenue to Southern boulevard; thence on Southern boulevard to Leggett avenue, in the Borough of The Bronx, and authorizing the Mayor to deliver the contract for said right in the name and on behalf of The City of New York, was approved by the Mayor; and

Whereas, Said contract provides that the Interborough Company shall procure and cause to be executed an agreement wherein said Boulevard Company shall agree to permit the use of its tracks on the route beginning at the intersection of Southern boulevard with East 149th street; thence northeasterly in and upon Southern boulevard to the intersection of Southern boulevard with Leggett avenue in the Borough of The Bronx by the Interborough Company, its successors or assigns, the City or any other company to which the City may, after the termination of this grant, grant or lease rights, and the compensation for such use shall not exceed that provided in section 2, subdivision Fifth, of the said contract.

Now, therefore, in consideration of the premises and of the sum of one dollar by each of

the parties of the first and second parts to the other paid, the receipt whereof is hereby acknowledged, the parties of the first and second parts do hereby covenant and agree with each other and with the party of the third part that the Interborough Company may construct and operate its railroad upon Southern Boulevard on the route beginning at the intersection of Southern boulevard with East 149th street; thence northeasterly in and upon Southern boulevard to the intersection of Southern boulevard with Leggett avenue, in the Borough of The Bronx, and enjoy with the said Boulevard Company a right in common to the use of the route and tracks of said Boulevard Company upon the said route, and the Boulevard Company further covenants and agrees to permit the use of its tracks by the Interborough Company, its successors or assigns, the City or any other company to which the City may, after the termination of this grant, grant or lease any rights on said route, and that the compensation for such use shall not exceed that provided in section 2, subdivision Fifth, of the said contract.

In witness whereof, the Boulevard Company and the Interborough Company, by their officers thereunto duly authorized, have caused their corporate names to be hereunto signed and their corporate seals to be hereunto affixed the day and year first above written.

THE SOUTHERN BOULEVARD RAILROAD COMPANY,
By President.
(SEAL.)
Attest: Secretary.
NEW YORK CITY INTERBOROUGH RAILWAY COMPANY,
By President.
(SEAL.)
Attest: Secretary.
(Here add acknowledgments.)

Agreement, made this day of , 1911, between the Union Railway Company of New York City (hereinafter called Union Company), party of the first part, the Southern Boulevard Railroad Company (hereinafter called Boulevard Company), party of the second part, New York City Interborough Railway Company (hereinafter called Interborough Company), party of the third part, and The City of New York (hereinafter called the City), party of the fourth part.

Whereas, The Interborough Company, on March 31, 1911, applied to the Board of Estimate and Apportionment, as the local authority of said City, for the right to construct, maintain and operate four extensions to its street surface railway, in the Boroughs of Manhattan and The Bronx; and

Whereas, On , 1911, resolutions granting the right to construct, maintain and operate two of such extensions and authorizing the Mayor to execute and deliver the contracts for said rights in the name and on behalf of The City of New York, were approved by the Mayor; and

Whereas, Said contracts each provide that the same shall not become operative until the Interborough Company shall procure and cause to be executed and approved in proper form for record and duly delivered to the Board, an agreement wherein the Union Railway Company of New York City, the Southern Boulevard Railroad Company and the Company shall each agree between themselves and with the City that a passenger paying a single fare upon a car on the east or west lines of any of said companies shall receive, without further payment, a ride north or south on any line of the other companies, and a passenger paying a single fare upon a car on a north or south line of any of said companies shall receive a ride east or west on any line of the other companies without further payment at points of intersection, and that a passenger may continue in the direction in which his fare was first paid on any other line without further payments.

Now, therefore, In consideration of the premises and of the sum of one dollar by each of the parties of the first, second and third parts to the others paid, the receipt whereof is hereby acknowledged, the parties of the first, second and third parts do each hereby covenant and agree with each other and with the party of the fourth part that a passenger paying a single fare upon a car on the east or west lines of any of said companies shall receive, without further payment, a ride north or south on any line of the other companies, and a passenger paying single fare upon a car on a north and south line of any of said companies shall receive a ride east or west on any line of the other companies, without further payment at points of intersection, and that a passenger may continue in the direction in which his fare was first paid on any other line without further payments.

In witness whereof, the Union Company, Boulevard Company and Interborough Company, by their officers thereunto duly authorized, have caused their corporate names to be hereunto signed and their corporate seals to be hereunto affixed the day and year first above written.

UNION RAILWAY COMPANY OF NEW YORK CITY,
By President.
(SEAL.)
Attest: Secretary.
THE SOUTHERN BOULEVARD RAILROAD COMPANY,
By President.
(SEAL.)
Attest: Secretary.
NEW YORK CITY INTERBOROUGH RAILWAY COMPANY,
By President.
(SEAL.)
Attest: Secretary.
(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted and the adequacy of the compensation proposed to be paid therefor, and of the terms and conditions, including the provisions as to rates, fares and charges, are as hereinbefore specified and fully set forth in and by the foregoing form of proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions, including the said resolution for the grant of a franchise or right applied for by The New York City Interborough Railway Company, and the said form of proposed contract for the grant of such franchise or right, containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, September 21, 1911, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to Thursday, September 21, 1911, in two (2) daily newspapers, to be designated by the Mayor therefor, and published in The City of New York, at the expense of the New York City Interborough Railway Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment before authorizing any contract for the grant of the franchise or right applied for by the New York City Interborough Railway Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing any such contract, will, at a meeting of said Board, to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, September 21, 1911, at 10.30 o'clock a. m., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

("Standard Union" and "Globe" designated.)
JOSEPH HAAG, Secretary.
Dated New York, July 6, 1911. a28,s21

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held July 6, 1911, the following resolutions were adopted:

Whereas, The New York City Interborough Railway Company has, under date of March 31, 1911, made application to this Board for the grant of the right, privilege and franchise to construct, maintain and operate a double track street surface railway as an extension to its existing system upon and along West 145th street, from Lenox avenue to Broadway, Borough of Manhattan; and

Whereas, Section 172 of the Railroad Law and sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance to such laws, this Board adopted a resolution on April 6, 1911, fixing the date for public hearing thereon as April 27, 1911, at which citizens were entitled to appear and be heard, and publication was had for at least fourteen (14) days in the "Morning Telegraph" and "New York Sun," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing, and the public hearing was duly had on such day; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for and proposed to be granted to the New York City Interborough Railway Company, and the adequacy of the compensation proposed to be paid therefor; now, therefore, it is

Resolved, That the following form of the resolution for the grant of the franchise or right applied for by the New York City Interborough Railway Company, containing the form of proposed contract for the grant of such franchise or right, be hereby introduced, and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the New York City Interborough Railway Company the franchise or right fully set out and described in the following form of proposed contract for the grant thereof, embodying all of the terms and conditions, including the provisions as to rates, fares and charges, upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

Proposed Form of Contract.

This contract, made this day of 1911, by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the New York City Interborough Railway Company (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate a double track extension to its street surface railway, with the necessary wires and equipment, for the purpose of conveying passengers only in the Borough of Manhattan, in The City of New York, upon the following route, to wit:

Beginning on West 145th street at its intersection with the westerly side of Lenox avenue, and there connecting with the road for which the Company has a franchise in West 145th street; thence westerly in and upon West 145th street to the easterly side of Broadway. And to cross such other streets and avenues, named and unnamed, as may be encountered in said route. Provided, however, that nothing in this contract shall be construed as permitting more than a double track in any portion of West 145th street.

The said route, with turnouts, switches and crossovers, hereby authorized, is shown upon a map entitled:

"Map showing proposed extensions of the New York City Interborough Railway Company in the Boroughs of Manhattan and The Bronx, City of New York, to accompany petition dated March 31, 1911, to the Board of Estimate and Apportionment,"

—and signed by Edward A. Maher, President, and A. E. Kalbach, Engineer, a copy of which is attached hereto, is to be deemed a part of this contract, is to be construed with the text thereof, and is to be substantially followed, provided that deviations therefrom and additional turnouts, switches and crossovers which are consistent with the foregoing description, and the other provisions of this contract may be permitted by resolution of the Board.

Section 2. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company:

First—The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway shall be obtained by the Company within three (3) months from the signing of this contract by the Mayor, and a copy of such consents shall be filed with the Board within such time, or, in the event that such consents cannot be obtained within such time, the Company shall within said three (3) months, or within one (1) month thereafter, make application to the Appellate Division of the Supreme Court for the appointment of Commissioners in the manner provided by the Railroad Law to determine if said railway ought to be constructed; otherwise this grant shall cease and determine.

Second—The said right to construct, maintain and operate said railway shall be held and enjoyed by the Company from the date upon which this contract is signed by the Mayor until March 31, 1928, with the privilege of renewal of said contract for the further period of twenty-five (25) years, upon a fair revaluation of such right and privilege.

If the Company shall determine to exercise its privilege of renewal it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time not earlier than two (2) years and not later than one (1) year before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but in no case shall the annual rate of compensation to the City be fixed at a less amount than the sum required to be paid during the last year prior to the termination of the original term of this contract.

If the Company and the Board shall not reach such agreement on or before the day one (1) year before the expiration of the original term of this contract, then the annual rate of compensation for such succeeding twenty-five (25) years shall be reasonable, and either the City (by the Board) or the Company shall be bound upon request of the other to enter into a written agreement with each other fixing the rate of such compensation at such amount as shall be reasonable, but in no case shall the annual rate so fixed be less than the sum required to be paid for the last year prior to the termination of the original term of this contract, and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate and at such amount as shall be determined by three disinterested freeholders selected in the following manner:

One disinterested freeholder shall be chosen by the Board; one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluation aforesaid. Such appraisers shall be chosen at least six (6) months prior to the expiration of this original contract, and their report shall be filed with the Board within three (3) months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience and upon such information as they may obtain by inquiries and investigations, without the presence of either party. They shall have the right to examine any of the books of the Company and its officers under oath. The valuations so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum shall, in any event, be less than the sum required to be paid for the last year of the original term of this contract. If in any case the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate theretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company, each paying one-half thereof.

Third—The Company shall pay to the City for the privilege hereby granted the following sums of money:

(a) The sum of two thousand five hundred dollars ($2,500), in cash, within three (3) months after the date on which this contract is signed by the Mayor, and before anything is done in exercise of the privilege hereby granted.

(b) During the first term of five (5) years an annual sum which shall in no case be less than six hundred dollars ($600), and which shall be equal to three (3) per cent. of its gross annual receipts if such percentage shall exceed the sum of six hundred dollars ($600).

During the second term of five (5) years an annual sum which shall in no case be less than one thousand one hundred dollars ($1,100), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of one thousand one hundred dollars ($1,100).

During the third term of five (5) years an annual sum which shall in no case be less than one thousand two hundred dollars ($1,200), and which shall be equal to five (5) per cent. of its gross annual receipts if such percentage shall exceed the sum of one thousand two hundred dollars ($1,200).

During the remaining term expiring March 31, 1928, an annual sum which shall in no case be less than one thousand three hundred dollars ($1,300), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of one thousand three hundred dollars ($1,300).

The gross annual receipts mentioned above shall be that portion of the gross receipts of the Company as shall bear the same proportion to its whole gross receipts as the length of the extension hereby authorized shall bear to the entire length of the railway of the Company in operation within the limits of the City.

The annual charges shall commence from the date upon which this contract is signed by the Mayor.

All annual charges as above shall be paid into the treasury of the City on November 1 of each year and shall be for the amount due to September 30 next preceding. Provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following shall bear to the whole of one year.

Whenever the percentage required to be paid shall exceed the minimum amount as above, then such sum over and above such minimum shall be paid on or before November 1 in each year for the year ending September 30 next preceding.

The annual charges herein provided are intended to include the percentages of gross receipts now required to be paid by railway companies to the City, pursuant to the Railroad Law, as amended.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be made in addition to any and all taxes of whatsoever kind or description, now or hereafter required to be paid by any ordinance of the City or resolution of the Board or any law of the State of New York.

Fourth—The annual charges or payments shall continue throughout the whole term of this contract (whether original or renewal), notwithstanding any clause in any statute or in the charter of any other railway or railroad company providing for payment for railway or railroad rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted (whether original or renewal), or of any part thereof, or of any of the routes mentioned herein, or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all the conditions of this contract; and that the assignee or lessee assumes and will be bound by all of said conditions; and especially said conditions as to payments, anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemption from liability to perform each and all of the conditions of this contract.

Fifth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions, over the route hereinbefore described.

The use of the railway constructed by the Company under this contract, including the tracks, wires and other equipment or any structures used in connection therewith, in streets and avenues hereinbefore described, shall be permitted by the Company, to any individual or corporation to which the City may have granted, or may hereafter grant, the right or privilege to use such streets and avenues for street railway purposes, upon payment of an annual sum by such individual or corporation to the Company, which shall equal the legal interest on such proportion of the actual cost of the construction of such railway and structures, and additions and betterments thereto, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same; and also such proportion of the cost of keeping the tracks and electrical equipment in repair, and the cost of additions and betterments thereto, such proportion of laying and repairing of pavement and removal of snow and ice and all other duties imposed upon the Company by the terms of this contract in connection with the maintenance or the operation of said railway so used, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same, together with the actual cost of the power necessary for the operation of the cars thereon of such individual or corporation. Provided, however, that if, in the opinion of the Company, the legal rate of interest upon the cost of such railway shall be an insufficient sum to be paid for the use of such tracks, it may appeal to the Board, and the Board may fix a percentage upon the cost to be paid to the Company, at a sum in excess of the legal rate of interest if, in its opinion, such action is justified.

The Company shall not at any time oppose, but shall, upon the request of the Board, consent to the construction or operation of any street surface railway which may necessitate the use of any portion of the railway which shall be constructed by the Company pursuant to this contract.

Sixth—The rights and privileges hereby granted shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company, or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in any wise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Seventh—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the tracks and equipments of the Company constructed pursuant to this contract within the streets and avenues shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this contract as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of its tracks and other equipment constructed pursuant to this contract and the said streets and avenues shall be restored to their original condition at the sole cost and expense of the Company.

Eighth—The Company shall commence construction of the railway herein authorized within six (6) months from the date upon which the consents of the property owners are filed with the Board or from the date of the order of the Appellate Division of the Supreme Court, made pursuant to Section 174 of the Railroad Law, confirming the determination of the Commissioners appointed thereunder, that such railway ought to be constructed and shall complete the construction and place the same in full operation within twelve (12) months from the date of filing such consents or the date of such order; otherwise this right shall cease and determine, and all sums paid, or which may be deposited with the Comptroller of the City, as hereinafter provided, shall thereupon be forfeited to the City; provided that the period for commencement and the period for completion and placing the railway in full operation may be extended by the Board, but the total extension of time for either of such periods shall not exceed in the aggregate six (6) months; and provided, further, that when the commencement or completion of said construction shall be prevented by legal proceedings in any court or by works of public improvement, or from other causes not within control of the Company, the time for the commencement or completion of such construction may be extended for the period of such prevention, but no delay shall be allowed for unless the court proceedings shall be diligently prosecuted by the Company, and provided further, that in no case shall such delay be deemed to begin until the Company shall have given written notice to the Board of any such court proceedings or other occasion of delay, and deliver to the Board copies of any injunction or other orders, and the papers upon which the same shall have been granted, and unless upon the request of the Board the Company shall, in writing, consent that the Board either in its own name as a party, or in the name of the City as a party, may intervene in any such proceedings.

Ninth—Said railway shall be constructed and operated in the latest approved manner of street railway construction and operation, and it is hereby agreed that the Board may require the Company to improve or add to the railway equipment, including rolling stock and railway appurtenances, from time to time, as such conditions and improvements are necessary, in the opinion of the Board. Upon failure on the part of the Company to comply with the direction of the Board within a reasonable time, the rights hereby granted shall cease and determine.

Tenth—Said railway shall be constructed, maintained and operated subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City.

No construction upon said railway shall be commenced until written permits have been obtained from the proper City officials.

In any permits so issued such officials may also impose such conditions, as a condition of the granting of the same, as are necessary for the purpose of protecting any structures, in the streets and avenues, over which such officials have jurisdiction and the Company shall comply with such conditions.

The electrical equipment to be installed by the Company for the operation of the railway within the limits of the City, whether the same be upon streets and avenues or upon private property, shall be constructed and maintained under the supervision and control of the Commissioner of Water Supply, Gas and Electricity.

Eleventh—Said railway shall be operated by underground electric power, substantially similar to the system of underground electric power now used by the street surface railways in the Borough of Manhattan, provided that any other power may be used, except locomotive steam power, horse power or overhead electric power, which may be lawfully used, approved by the Board and consented to by the abutting property owners in accordance with the provisions of law and by the Public Service Commission for the First District of the State of New York.

Twelfth—No wires for the transmission of power shall be permitted unless they be placed in conduits underneath or along the side of the railway. When such conduits are constructed the Company shall provide two (2) ducts not less than three (3) inches in diameter each for the exclusive use of the City. The Company hereby agrees that such ducts shall be used only by the Company and the City, as above.

Thirteenth—The rate of fare for any passenger upon said railway shall not exceed five (5) cents and the Company shall not charge any passenger more than five (5) cents for

one continuous ride from any point on its road or on any road, line or branch operated by it or under its control to any other point thereof, or any connecting branch thereof within the limits of the City.

The Company shall carry free upon the railway hereby authorized during the term of this contract all members of the Police and Fire Departments of the City, when such employees are in full uniform.

Fourteenth—No cars shall be operated upon the railway hereby authorized, other than passenger cars and cars necessary for the repair or maintenance of the railway, and no freight cars shall be operated upon the tracks of said railway.

Fifteenth—The Company shall attach to each car run over the said railway proper fenders and wheel guards, in conformity with such laws and ordinances as are now in force, or may hereafter, during the terms of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Sixteenth—All cars which are operated on said railway shall be heated during the cold weather, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Seventeenth—All cars operated on said railway shall be well lighted by electricity, or by some lighting system equally efficient, or as may be required by resolution of the Board.

Eighteenth—Cars on the said railway shall run at intervals of not more than thirty (30) minutes both day and night, and as much oftener as reasonable convenience of the public may require, or as may be directed by the Board.

Nineteenth—The Company, so long as it shall continue to use any of the tracks upon the streets and avenues in which said railway shall be constructed, shall cause to be watered at least three (3) times every twenty-four (24) hours when the temperature is above thirty-five (35) degrees Fahrenheit, the entire width of the streets and avenues, except when the width of such streets and avenues shall exceed sixty (60) feet between curb lines, in which case the Company shall cause to be watered only sixty (60) feet in width of such roadway, and the Company shall provide for such purpose at least one tank car, the capacity of which shall be sufficient to water such streets and avenues in a satisfactory manner.

Twentieth—The Company shall at all times keep the streets and avenues upon which the said railway is constructed, between its tracks, the rails of its tracks, and for a distance of two (2) feet beyond the rails, on either side thereof, free and clear from ice and snow; provided, however, that the Company shall, at the option of the Commissioner of Street Cleaning, enter into an agreement for each winter season, or part thereof, to clean an equivalent amount of street surface from house line to house line.

Twenty-first—As long as said railway, or any portion thereof, remains in any street or avenue, the Company shall pave and keep in permanent repair that portion of the surface of the street or avenue in which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails on either side thereof, under the supervision of the local authorities, whenever required by them to do so, and in such manner as they may prescribe. In case of the neglect of the Company to make pavement or repairs after the expiration of thirty (30) days' notice to do so from the President of the Borough of Manhattan, said President may make the same at the expense of the Company. And the City shall have the right to change the material or character of the pavement of any street or avenue, and in that event the Company shall be bound to replace such pavement in the manner directed by the proper City officials, at its own expense, and the provisions as to repairs herein contained shall apply to such renewed or altered pavement.

Twenty-second—Any alteration to the sewerage or drainage systems or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the railway, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Twenty-third—It is agreed that the right hereby granted to operate a street surface railway shall not be in preference or in hindrance to public work of the City, and should the said railway in any way interfere with the construction of public works in the streets and avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the tracks and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Twenty-fourth—Should the grades or lines of the streets and avenues in which the railway is hereby authorized be changed at any time after the railway has been constructed and during the term of this contract, the Company shall, at its own expense, change its tracks and appurtenances to conform with such new grades and lines, and during the construction of any public improvement upon said streets and avenues, the Company shall take care of and protect the tracks and appurtenances at its own expense, all to be done subject to the direction of the City official having jurisdiction over the construction of such change.

Twenty-fifth—The Company shall submit to the Board a report not later than November 1 of each year for the year ending September 30 next preceding, and at any other time, upon request of the Board, which shall state:

1. The amount of stock issued, for cash, for property.
2. The amount paid in as by last report.
3. The total amount of capital stock paid in.
4. The funded debt by last report.
5. The total amount of funded debt.
6. The floating debt as by last report.
7. The total amount of floating debt.
8. The total amount of funded and floating debt.
9. The average rate per annum of interest on funded debt.
10. Statement of dividends paid during the year.
11. The total amount expended for same.
12. The names of the directors elected at the last meeting of the corporation held for such purpose.
13. Location, value and amount paid for real estate owned by the Company as by last report.
14. Location, value and amount paid for real estate now owned by the Company.
15. Number of passengers carried during the year.
16. Total receipts of Company for each class of business.
17. Amount paid by the Company for damages to persons or property on account of construction and operation.
18. Total expenses for operation, including salaries.

—and such other information in regard to the business of the Company as may be required by the Board.

Twenty-sixth—The Company shall at all times keep accurate books of account of the gross receipts from all sources within the limits of the City, and shall, on or before November 1 of each year, make a verified report to the Comptroller of the City of the business done by the Company for the year ending September 30 next preceding, in such form as he may prescribe. Such report shall contain a statement of such gross receipts, the total miles in operation within the limits of the City, and the miles of railway constructed and operated under this contract, and such other information as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctness of its report, and may examine its officers under oath.

Twenty-seventh—In case of any violation or breach or failure to comply with any of the provisions herein contained, or with any orders of the Board acting under the powers herein reserved, the franchise or consent herein granted may be forfeited by a suit brought by the Corporation Counsel, on notice of ten (10) days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the railway constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Twenty-eighth—If the Company shall fail to give efficient service at the rates herein fixed, or fail to maintain its structures and equipment as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company, specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time; and upon failure of the Company to remedy such default within a reasonable time, the Company shall, for each day thereafter during which the default or defect remains, pay to the City the sum of two hundred and fifty dollars ($250), as fixed or liquidated damages, or the Board, in case such structures or equipment which may affect the surface of the streets shall not be put in good condition within a reasonable time after notice by the Board as aforesaid, shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Twenty-ninth—The Company shall assume all liability to persons or property by reason of the construction or operation of the railway authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

Thirtieth—This grant is upon the express condition that any and all sums of money or any and all securities heretofore deposited with the Comptroller by the Company under and pursuant to franchises heretofore granted to it by the City as a fund for the security for the performance by the Company of the terms and conditions of the franchises so granted, shall likewise be a fund for the security for the performance by the Company of all the terms and conditions of this contract and compliance with all orders of the Board acting under the powers herein reserved, especially those which relate to the payment of the annual charges for the privilege hereby granted, the rendering of efficient public service at the rates herein fixed, the repairs of the street pavement, the removal of snow and ice, the quality of construction of the railway and the maintenance of the property in good condition throughout the whole term of this contract, and in case of default in the performance by the Company of such terms and conditions, or compliance with such orders, or either or any of them, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof, after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or, after default in the payment of the annual charges, shall collect the same, with interest, from the said fund after ten (10) days' notice to the Company; or, in case of failure to observe the said terms and conditions of this contract and orders of the Board acting hereunder, relating to the headway, heating and lighting of cars, fenders, wheelguards and watering of street pavements, the Company shall pay a penalty of fifty dollars ($50) per day for each day of violation, and the further sum of ten dollars ($10) per day for each car that shall not be properly heated, lighted or supplied with fenders or wheelguards, in case of a violation of the provisions relating to those matters, all of which sums may be deducted from said fund.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company, directing its President, or other officer to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing appears in the judgment of the Board to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice, pay to the City a sum sufficient to restore said security fund to the original amount, and in default thereof, this contract shall be canceled and annulled at the option of the Board, acting in behalf of the City. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Thirty-first—The words "notice" or "direction" wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Thirty-second—The words "streets or avenues" and "streets and avenues" wherever used in this contract shall be deemed to mean "streets, avenues, highways, parkways, driveways, concourses, boulevards, bridges, viaducts, tunnels, public places or any other property to which the City has title, or over which the public has an easement," encountered in the route hereinabove described, and upon or in which authority is hereby given to the Company to construct a railway.

Thirty-third—If at any time the powers of the Board or any other of the authorities hereinafter mentioned or intended to be mentioned, shall be transferred by law to any other Board, authority, officer or officers, then and in such case such other Board, authority, officer or officers shall have all the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Section 3. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the Laws of the State of New York.

Section 4. This grant is also upon the further and express condition that the provisions of Article 5 and other provisions of the Railroad Law, pertinent thereto, shall be strictly complied with by the Company.

Section 5. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms and conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers, thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By
Mayor.

[CORPORATE SEAL.]
Attest: City Clerk.

NEW YORK CITY INTERBOROUGH RAILWAY COMPANY,
By
President.

[SEAL.]
Attest: Secretary.

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted and the adequacy of the compensation proposed to be paid therefor, and of the terms and conditions, including the provisions as to rates, fares and charges, are as hereinbefore specified and fully set forth in and by the foregoing form of proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions, including the said resolution for the grant of a franchise or right applied for by the New York City Interborough Railway Company, and the said form of proposed contract for the grant of such franchise or right containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, September 21, 1911, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to Thursday, September 21, 1911, in two (2) daily newspapers to be designated by the Mayor thereof, and published in The City of New York, at the expense of the New York City Interborough Railway Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the grant of the franchise or right applied for by the New York City Interborough Railway Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing any such contract, will, at a meeting of said Board, to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, September 21, 1911, at 10.30 o'clock a. m., hold a public hearing thereon at which citizens shall be entitled to appear and be heard.

(The "Sun" and "Evening Mail" designated).

JOSEPH HAAG, Secretary.

Dated New York, July 6, 1911. a28,s21

POLICE DEPARTMENT.

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, SEPTEMBER 26, 1911,

FOR FURNISHING AND DELIVERING ONE AUTOMOBILE FOR THE USE OF THE POLICE DEPARTMENT OF THE CITY OF NEW YORK.

The time allowed for making and completing the work will be forty (40) calendar days after the execution of the contract, the endorsement thereon of his certificate by the Comptroller, and the receipt by the Contractor of a written order to deliver from the Police Commissioner.

The security required will be fifty (50) per cent. of the amount of the bid or estimate.

The bids will be compared and award of contract, if made, made to the lowest bidder.

The bidder will state the price for which he will do all the work, and provide, furnish and deliver all the labor and materials mentioned and described in said contract and specifications.

For particulars as to the nature and extent of the work required or of the materials to be furnished, bidders are referred to the specifications.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, can be obtained upon application therefor at the office of the Commissioner, and any further information can be obtained at the office of the Bureau of Repairs and Supplies, Headquarters of the Police Department, 240 Centre st., Borough of Manhattan.

R. WALDO, Police Commissioner.

The City of New York, September 14, 1911.
s15,26

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

POLICE DEPARTMENT—CITY OF NEW YORK.

OWNERS WANTED BY THE PROPERTY

Clerk of the Police Department of The City of New York, No. 300 Mulberry street, Room No. 9, for the following property, now in custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

R. WALDO, Police Commissioner.

POLICE DEPARTMENT—CITY OF NEW YORK. BOROUGH OF BROOKLYN.

OWNERS WANTED BY THE PROPERTY

Clerk of the Police Department of The City of New York—Office, No. 269 State street, Borough of Brooklyn—for the following property, now in custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

R. WALDO, Police Commissioner.

DEPARTMENT OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

MONDAY, SEPTEMBER 25, 1911,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO MAKE CERTAIN ALTERATIONS AND REPAIRS TO THE GAS WORKS ON RANDALLS ISLAND, THE CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract is thirty (30) consecutive working days. The surety required will be Seven Hundred and Fifty Dollars ($750).

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 Supervising Engineer of the Department, foot of E. 26th st., The City of New York, where plans and specifications may be seen.

MICHAEL J. DRUMMOND, Commissioner.

Dated September 11, 1911. s13,25

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

MONDAY, SEPTEMBER 25, 1911,

FOR FURNISHING AND DELIVERING DRY GOODS, NOTIONS, RUBBER GOODS, PLATED WARE, KITCHEN UTENSILS, CROCKERY, GLASSWARE, LAMPS, AND OTHER MISCELLANEOUS SUPPLIES.

The time for the performance of the contract is during the year 1911.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per yard, per dozen or other unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each class, line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner.

The City of New York, September 11, 1911.
s13,25

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

MONDAY, SEPTEMBER 25, 1911,

FOR FURNISHING AND DELIVERING LUMBER, PAINTS, OILS, HARDWARE, FIBRE, CORDAGE, CEMENT, LAUNDRY MACHINERY, GASOLINE AND OTHER MISCELLANEOUS SUPPLIES.

The time for the performance of the contract is during the year 1911. The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per foot, per pound or other unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each class, line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of E. 26th st., Borough of Manhattan.

MICHAEL J. DRUMMOND, Commissioner.

The City of New York, September 11, 1911.
s13,25

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF E. 26TH ST., NEW YORK.

Boroughs of Brooklyn and Queens.

TO CONTRACTORS.

PROPOSAL FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

THURSDAY, SEPTEMBER 21, 1911,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REMOVING OLD AND INSTALLING NEW LAUNDRY MACHINERY AND APPLIANCES AT 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 sixty (60) consecutive working days. The surety required will be Forty-five Hundred Dollars ($4,500).

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 Supervising Engineer of the Department, foot of E. 26th st., The City of New York, where plans and specifications may be seen.

MICHAEL J. DRUMMOND, Commissioner.

Dated September 6, 1911. s9,21

☞**See General Instructions to Bidders on the last page, last column, of the "City Record."**

DEPARTMENT OF DOCKS AND FERRIES.

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m., on

WEDNESDAY, SEPTEMBER 27, 1911,

CONTRACT NO. 1291.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR DREDGING

IN THE BOROUGHS OF MANHATTAN, BROOKLYN AND QUEENS.

The time for the completion of the work and the full performance of the contract is on or before December 31, 1911.

The amount of security required is as follows: Class 1, for dredging about 90,000 cubic yards on the North River, Borough of Manhattan, the sum of $5,000; Class 2, for dredging about 50,000 cubic yards on the East and Harlem Rivers, Boroughs of Manhattan, Brooklyn and Queens, the sum of $5,000.

The bidder shall state, both in writing and in figures, a price per cubic yard for doing all of the work called for in any class on which a bid is submitted by which price the bids will be tested, and each class of the contract if awarded, will be awarded as a separate contract to the bidder whose price per cubic yard is the lowest for doing all of the work called for in that class, and whose bid is regular in all respects. In case of any discrepancy between the written price and that given in figures, the price in writing will be considered as the bid.

The attention of bidders is called to Article F of the contract which permits the Commissioner to increase the amount of dredging called for to an extent not to exceed five per cent.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

CALVIN TOMKINS, Commissioner of Docks.

Dated September 13, 1911. s15,27

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PARKS.

OFFICE OF DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m., on

THURSDAY, SEPTEMBER 21, 1911,

Borough of The Bronx.

FOR COMPLETING A BRICK DRAIN AND CONSTRUCTING INLET BASIN IN VAN CORTLANDT PARK.

The time for the completion of the contract is one hundred (100) working days.

The amount of security required is Six Thousand Dollars ($6,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, Borough of The Bronx.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

s9,21

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, SEPTEMBER 21, 1911,

Borough of Brooklyn.

FOR FURNISHING AND DELIVERING TOPSOIL OR GARDEN MOULD AT SUNSET PARK, BOROUGH OF BROOKLYN.

The time allowed for the completion of this contract will be eighty (80) days.

The amount of the security required is Four Thousand Dollars ($4,000).

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Boroughs of Brooklyn and Queens, Litchfield Mansion, Prospect Park West and 5th st., Prospect Park, Brooklyn.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

s9,21

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, SEPTEMBER 21, 1911,

Borough of Brooklyn.

FOR FURNISHING AND DELIVERING TOPSOIL OR GARDEN MOULD AT FORT GREENE PARK, BOROUGH OF BROOKLYN.

The time allowed for the completion of this contract will be eighty-five (85) days.

The amount of the security required is Five Thousand Dollars ($5,000).

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Boroughs of Brooklyn and Queens, Litchfield Mansion, Prospect Park West and 5th st., Prospect Park, Brooklyn.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

s9,21

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF DEPARTMENT OF PARKS, ARSENAL BUILDING, 5TH AVE. AND 64TH ST., BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board, at the above office of the Department of Parks, until 3 o'clock p. m. on

THURSDAY, SEPTEMBER 21, 1911,

Borough of Brooklyn,

FOR FURNISHING AND DELIVERING PLAYGROUND SUPPLIES AT PROSPECT PARK, BOROUGH OF BROOKLYN.

The time allowed for the completion of this contract will be ten (10) working days.

The amount of the security required is Five Hundred Dollars ($500).

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Boroughs of Brooklyn and Queens, Litchfield Mansion, Prospect Park West and 5th st., Prospect Park, Brooklyn.

CHARLES B. STOVER, President; THOMAS J. HIGGINS, MICHAEL J. KENNEDY, WALTER G. ELIOT, Commissioners of Parks.

s9,21

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

BOROUGH OF MANHATTAN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, in The City of New York, until 2 o'clock p. m. on

THURSDAY, SEPTEMBER 28, 1911.

REPAIRS TO THE CRIMINAL COURTS BUILDING, LOCATED AT CENTRE, FRANKLIN AND WHITE STS., BOROUGH OF MANHATTAN.

The time allowed for doing and completing the work will be ninety (90) consecutive calendar working days.

The security required will be Twelve Hundred Dollars ($1,200).

The bidder shall state one aggregate price for the whole work described and specified, as the contract is entire and for a complete job.

The contract will be awarded to the lowest bidder.

Blank forms and specifications may be obtained at the office of the Auditor, offices of the Commissioner of Public Works, 18th floor, 13 to 21 Park row, Borough of Manhattan.

GEORGE McANENY, President.

City of New York, September 18, 1911.

s18,28

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, in The City of New York, until 2 o'clock p. m. on

THURSDAY, SEPTEMBER 28, 1911,

CONSTRUCTION AND INSTALLATION OF TEN (10) SOUNDING BOARDS IN THE JUDGES' CHAMBERS, COUNTY COURT HOUSE, LOCATED IN CITY HALL PARK, BOROUGH OF MANHATTAN.

The time allowed for doing and completing the work will be twenty-five (25) consecutive calendar working days.

The security required will be Five Hundred Dollars ($500).

The bidder shall state one aggregate price for the whole work described and specified, as the contract is entire and for a complete job.

The contract will be awarded to the lowest bidder.

Blank forms and specifications may be obtained at the office of the Auditor, offices of the Commissioner of Public Works, eighteenth floor, Nos. 13 to 21 Park Row, Borough of Manhattan.

GEORGE McANENY, President.

City of New York, September 18, 1911.

s16,28

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan, at the City Hall, Room 14, until 2 o'clock p. m., on

TUESDAY, SEPTEMBER 26, 1911,

1. FOR REGULATING AND REPAVING WITH IMPROVED GRANITE BLOCK PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF 153D ST. FROM WEST SIDE 7TH AVE. TO EAST SIDE MACOMBS DAM ROAD.

Engineer's estimate of amount of work to be done:

2,470 square yards of improved granite block pavement, with paving cement joints.

430 cubic yards of Portland cement concrete.

160 linear feet of new bluestone curbstone, furnished and set.

150 linear feet of old bluestone curbstone, redressed, rejointed and reset.

210 linear feet of new header stone, furnished and laid.

The time allowed for doing and completing the above work will be thirty (30) working days.

The amount of security required will be Two Thousand Dollars ($2,000).

2. FOR REGULATING AND REPAVING WITH SHEET ASPHALT WITH CLOSE BINDER ON A CONCRETE FOUNDATION THE ROADWAY OF COLUMBIA ST. FROM THE NORTH SIDE OF BROOME ST. TO THE SOUTH SIDE OF HOUSTON ST.

Engineer's estimate of amount of work to be done:

4,800 square yards of asphalt pavement, including binder course, except the railway area.

20 square yards of asphalt pavement, including binder course, in the railroad area (no guarantee).

960 cubic yards of Portland cement concrete.

2,950 linear feet of new bluestone curbstone, furnished and set.

100 linear feet of old bluestone curbstone, redressed, rejointed and reset.

18 standard heads and covers, complete, for sewer manholes, furnished and set.

The time allowed for doing and completing the above work will be fifty (50) working days.

The amount of security required will be Four Thousand Dollars ($4,000).

3. FOR REGULATING AND REPAVING WITH SHEET ASPHALT WITH CLOSE BINDER ON A CONCRETE FOUNDATION, THE ROADWAY OF 60TH ST., FROM WEST SIDE OF 2D AVE. TO THE EAST SIDE OF LEXINGTON AVE.

Engineer's estimate of amount of work to be done:

2,990 square yards of asphalt pavement, including binder course, except the railroad area.

300 square yards of asphalt pavement, including binder course, in the railroad area (no guarantee).

650 cubic yards of Portland cement concrete.

1,830 linear feet of new bluestone curbstone, furnished and set.

200 linear feet of old bluestone curbstone, redressed, rejointed and reset.

10 standard heads and covers, complete, for sewer manholes, furnished and set.

The time allowed for doing and completing the above work will be thirty (30) working days.

The amount of security required will be Three Thousand Dollars ($3,000).

4. FOR MAINTAINING THE ASPHALT PAVEMENT ON BROADWAY FROM 14TH ST. TO NORTH SIDE 23D ST., INCLUDING THE SPACE BETWEEN UNIVERSITY PLACE, 14TH ST. AND EAST SIDE OF BROADWAY, AND FROM NORTH SIDE 25TH ST. TO NORTH SIDE 42D ST., WHERE THE ORIGINAL CONTRACTS HAVE BEEN ABANDONED, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

Engineer's estimate of amount of work to be done:

5,000 square yards of asphalt pavement, including binder course.

25 cubic yards of concrete.

The time allowed for doing and completing the above work will be until December 31, 1911.

The amount of security required will be Three Thousand Dollars ($3,000).

5. FOR FURNISHING AND DELIVERING 700 CUBIC YARDS OF TRAP ROCK BROKEN STONE; 800 CUBIC YARDS OF TRAP ROCK SCREENINGS.

The time allowed for the performance of the contract is until December 31, 1911.

The amount of security required is Eight Hundred Dollars ($800).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article, by which the bids will be tested. The extensions must be made and footed up.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, 13 to 21 Park row, Bureau of Highways, Room 1611, Borough of Manhattan.

GEORGE McANENY, President.

The City of New York, September 15, 1911.

s14,26

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan, at the City Hall, Room 14, until 2 o'clock p. m., on

TUESDAY, SEPTEMBER 19, 1911.

1. FOR REGULATING AND REPAVING WITH ORDINARY GRANITE BLOCK PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF LEONARD ST. FROM THE WEST SIDE OF WEST BROADWAY TO 192.6 FEET WEST OF WEST CURB LINE OF WEST BROADWAY.

Engineer's estimate of amount of work to be done:

480 square yards of ordinary granite block pavement, with paving cement joints.

110 cubic yards of Portland cement concrete.

90 linear feet of new bluestone curbstone, furnished and set.

480 square yards of old stone block to be removed to corporation yard.

The time allowed for doing and completing the above work will be fifteen (15) working days.

The amount of security required will be Five Hundred Dollars ($500).

2. FOR REGULATING AND REPAVING WITH IMPROVED GRANITE BLOCK PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF FRANKLIN ST. AND WHITE ST. FROM WEST SIDE OF LAFAYETTE ST. TO THE EAST SIDE OF BROADWAY.

Engineer's estimate of amount of work to be done:

2,420 square yards of improved granite block pavement, with paving cement joints.

440 cubic yards of Portland cement concrete.

620 linear feet of new bluestone curbstone, furnished and set.

50 linear feet of old bluestone curbstone, redressed, rejointed and reset.

2,320 square yards of old stone block to be purchased and removed by contractor.

The time allowed for doing and completing the above work will be thirty (30) working days.

The amount of security required will be Twenty-five Hundred Dollars ($2,500).

3. FOR REGULATING AND REPAVING WITH IMPROVED GRANITE BLOCK PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF 60TH ST., FROM THE WEST SIDE OF 1ST AVE. TO THE EAST SIDE OF 2D AVE.

Engineer's estimate of amount of work to be done:

2,000 square yards of improved granite block pavement, with paving cement joints, except the railroad area.

130 square yards of improved granite block pavement, with paving cement joints, within the railroad area.

390 cubic yards of Portland cement concrete.

640 linear feet of new bluestone curbstone, furnished and set.

40 linear feet of old bluestone curbstone, redressed, rejointed and reset.

30 linear feet of new header stone, furnished and laid.

The time allowed for doing and completing the above work will be twenty (20) working days.

The amount of security required will be Two Thousand Dollars ($2,000).

4. FOR REGULATING AND REPAVING WITH WOOD BLOCK PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF 111TH ST., FROM THE WEST SIDE OF 5TH AVE. TO THE EAST SIDE OF LENOX AVE.

Engineer's estimate of amount of work to be done:

3,230 square yards of wood block pavement, including sand cushion.

640 cubic yards of Portland cement concrete.

1,700 linear feet of new bluestone curbstone, furnished and set.

200 linear feet of old bluestone curbstone, redressed, rejointed and reset.

8 standard heads and covers complete for sewer manholes, furnished and set.

The time allowed for doing and completing the above work will be thirty (30) working days.

The amount of security required will be Three Thousand Dollars ($3,000).

5. FOR REGULATING AND REPAVING WITH SHEET ASPHALT WITH CLOSE BINDER ON A CONCRETE FOUNDATION THE ROADWAY OF 58TH ST. FROM WEST SIDE OF 3D AVE. TO EAST SIDE OF MADISON AVE.

Engineer's estimate of amount of work to be done:

4,380 square yards of asphalt pavement, including binder course.

810 cubic yards of Portland cement concrete.

1,440 linear feet of new bluestone curbstone, furnished and set.

200 linear feet of old bluestone curbstone, redressed, rejointed and reset.

8 standard heads and covers, complete, for sewer manholes, furnished and set.

The time allowed for doing and completing the above work will be forty (40) working days.

The amount of security required will be Thirty-five Hundred Dollars ($3,500).

6. FOR REGULATING AND REPAVING WITH SHEET ASPHALT WITH CLOSE BINDER ON A CONCRETE FOUNDATION THE ROADWAY OF 111TH ST., FROM WEST SIDE 7TH AVE. TO EAST SIDE MANHATTAN AVE.

Engineer's estimate of amount of work to be done:

4,100 square yards of asphalt pavement, including binder course.

580 cubic yards of Portland cement concrete.

2,130 linear feet of new bluestone curbstone, furnished and set.

280 linear feet of old bluestone curbstone, redressed, rejointed and reset.

11 standard heads and covers, complete, for sewer manholes, furnished and set.

The time allowed for doing and completing the above work will be forty (40) working days.

The amount of security required will be Thirty-five Hundred Dollars ($3,500).

7. FOR REGULATING AND REPAVING WITH SHEET ASPHALT WITH CLOSE BINDER ON A CONCRETE FOUNDATION THE ROADWAY OF GREENWICH AVE., FROM SOUTH SIDE BANK ST. TO EAST SIDE 8TH AVE. AND HORATIO ST. FROM WEST SIDE GREENWICH AVE. TO EAST SIDE 8TH AVE.

Engineer's estimate of amount of work to be done:

4,280 square yards of asphalt pavement, including binder course.

850 cubic yards of Portland cement concrete.

1,740 linear feet of new bluestone curbstone, furnished and set.

230 linear feet of old bluestone curbstone, redressed, rejointed and reset.

12 standard heads and covers, complete, for sewer manholes, furnished and set.

700 square yards of old stone blocks to be purchased and removed by Contractor.

The time allowed for doing and completing the above work will be forty (40) working days.

The amount of security required will be Thirty-five Hundred Dollars ($3,500).

8. FOR REGULATING AND REPAVING WITH SHEET ASPHALT WITH CLOSE BINDER ON A CONCRETE FOUNDATION THE ROADWAY OF NASSAU ST. FROM NORTH SIDE MAIDEN LANE TO SOUTH SIDE SPRUCE ST.

Engineer's estimate of amount of work to be done:

2,460 square yards of asphalt pavement, including binder course.

480 cubic yards of Portland cement concrete.

1,360 linear feet of new bluestone curbstone, furnished and set.

50 linear feet of old bluestone curbstone, redressed, rejointed and reset.

7 standard heads and covers, complete, for sewer manholes, furnished and set.

The time allowed for doing and completing the above work will be thirty (30) working days.

The amount of security required will be Twenty-five Hundred Dollars ($2,500).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article, by which the bids will be tested. The extensions must be made and footed up.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, 13 to 21 Park row, Bureau of Highways, Room 1611, Borough of Manhattan.

GEORGE McANENY, President.

The City of New York, September 8, 1911.

s8,19

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 14, in The City of New York, until 2 o'clock p. m. on

TUESDAY, SEPTEMBER 19, 1911.

GENERAL REPAIRS TO THE ROOFS AND SKYLIGHTS OF THE RIVINGTON STREET PUBLIC BATH BUILDING LOCATED AT 324 RIVINGTON STREET, BOROUGH OF MANHATTAN.

The time allowed for doing and completing the work will be thirty (30) consecutive calendar working days.

The security required will be Five Hundred Dollars ($500).

The bidder shall state one aggregate price for the whole work described and specified, as the contract is entire and for a complete job.

The contract will be awarded to the lowest bidder.

Blank forms and specifications may be obtained at the office of the Auditor, offices of the Commissioner of Public Works, eighteenth floor, 13 to 21 Park Row, Borough of Manhattan.

GEORGE McANENY, President.

City of New York, September 7, 1911.

s7,19

☞See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF WATER SUPPLY.

SEALED BIDS WILL BE RECEIVED BY the Board of Water Supply, at its offices, 7th floor, 165 Broadway, New York, until 11 a. m., on

TUESDAY, SEPTEMBER 26, 1911,

for

CONTRACT 100,

FOR THE CONSTRUCTION OF THE EXTENSION OF CROTON BLOW-OFF, IN THE CROTON DIVISION OF SOUTHERN AQUEDUCT DEPARTMENT, ON THE SHORE OF CROTON LAKE, IN THE TOWN OF YORKTOWN, WESTCHESTER COUNTY, NEW YORK.

The work includes about 40 feet of concrete conduit; about 115 feet of open reinforced concrete structure, with revetments, and below this a short concrete apron and a massive rock fill.

An approximate statement of the quantities of the various classes of work and further information are given in the Information for Bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

A bond in the sum of Twenty Thousand Dollars ($20,000) will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York to the amount of One Thousand Dollars ($1,000).

Time allowed for the completion of the work is eight months from the service of notice by the Board to begin work.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., and contract drawing can be obtained at the above address, upon application in person or by mail, by depositing the sum of Ten Dollars ($10) in currency, or check drawn to the order of the Board of Water Supply, for each pamphlet. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

JOSEPH P. MORRISSEY, Secretary. s6,26

Note—See General Instructions to Bidders on the last page, last column, of the "City Record," so far as applicable hereto and not otherwise provided for.

SEALED BIDS WILL BE RECEIVED BY the Board of Water Supply, at its offices, seventh floor, 165 Broadway, New York, until 11 a. m., on

TUESDAY, SEPTEMBER 26, 1911,

for

CONTRACT 113.

FOR TEST PITS AND BORINGS ON THE SITE OF THE PROPOSED SILVER LAKE

RESERVOIR, SITUATED ABOUT HALF MILE WEST OF TOMPKINSVILLE, AND ABOUT 2 MILES BY TROLLEY FROM ST. GEORGE FERRY, STATEN ISLAND, BOROUGH OF RICHMOND, NEW YORK CITY.

An approximate statement of the quantities of the various items of work and further information are given in the Information for Bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

A bond in the sum of Four Thousand Dollars ($4,000) will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York to the amount of Five Hundred Dollars ($500).

Time allowed for the completion of the work is 5 months from the service of notice by the Board to begin work.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., can be obtained at the above address, upon application in person or by mail, by depositing the sum of five dollars ($5) in currency, or check drawn to the order of the Board of Water Supply, for each pamphlet. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

JOSEPH P. MORRISSEY, Secretary. s6,26

Note—See General Instructions to Bidders on the last page, last column, of the "City Record," so far as applicable hereto and not otherwise provided for.

SEALED BIDS WILL BE RECEIVED BY the Board of Water Supply, at its offices, 7th floor, 165 Broadway, New York, until 11 a. m., on

TUESDAY, SEPTEMBER 26, 1911,
For
CONTRACT 103.

FOR THE CONSTRUCTION OF PART OF THE QUEENS CONDUIT, A PORTION OF THE CITY PIPE LINES OF CATSKILL AQUEDUCT, IN THE CITY AQUEDUCT DEPARTMENT AND EXTENDING FROM NEAR THE JUNCTION OF WILLOUGHBY AVE. AND BROADWAY, IN THE BOROUGH OF BROOKLYN, IN A GENERALLY EASTERLY DIRECTION ALONG WILLOUGHBY AND EVERGREEN AVES., TROUTMAN ST., FLUSHING AVE., GRAND ST. AND FISK AVE., TO THOMPSON AVE., IN THE BOROUGH OF QUEENS.

The work to be done includes the furnishing and laying of about 20,870 feet of 48-inch cast-iron pipe, with valves and other appurtenances, together with maintenance for one year.

An approximate statement of the quantities of the various classes of work and further information are given in the Information for Bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

Two or more bonds, the aggregate amount of which shall be One Hundred Fifty Thousand Dollars ($150.000), will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York to the amount of Ten Thousand Dollars ($10,000).

Time allowed for the completion of the work, except maintenance, is 12 months from the service of notice by the Board to begin work.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., and pamphlets of contract drawings can be obtained at the above address, upon application in person or by mail, by depositing the sum of Ten Dollars ($10) in currency, or check drawn to the order of the Board of Water Supply, for each pamphlet, or Twenty Dollars ($20) for each set. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

JOSEPH P. MORRISSEY, Secretary. s6,26

Note—See General Instructions to Bidders on the last page, last column, of the "City Record," so far as applicable hereto and not otherwise provided for.

CONTRACT Z.

SEALED BIDS WILL BE RECEIVED BY the Board of Water Supply, at its offices, 7th floor, 165 Broadway, New York, until 11 a. m., on

FRIDAY, SEPTEMBER 22, 1911,

for Contract Z, for
FURNISHING AND DELIVERING STATIONERY SUPPLIES.

The quantities of the various items of supplies are stated in the bid, or proposal, and further information is given in the Information for Bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

A bond in the sum of thirty-five per cent. (35%) of the total amount of the contract will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York, to the amount of two hundred dollars ($200).

Time allowed for furnishing and delivering the supplies is nine months from the service of notice by the Board to begin deliveries.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., can be obtained at the above address, upon application in person or by mail, by depositing the sum of five dollars ($5) in currency, or check drawn to the order of the Board of Water Supply, for each pamphlet. This deposit will be refunded upon the return of the pamphlets, in acceptable condition, within thirty days from the date on which bids are to be opened.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

JOSEPH P. MORRISSEY, Secretary. s1-22.

NOTE—See General Instructions to Bidders on last page, last column of the "City Record," so far as applicable hereto and not otherwise provided for.

BOARD OF ASSESSORS.

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,

1857. Regulating, grading, curbing, recurbing, flagging, reflagging new street (Delancey st.) from Bowery to Lafayette st.

1886. Paving, curbing and recurbing 153d st., from Riverside drive to Broadway.

1900. Paving Delancey st., from Bowery to Lafayette st.

1952. Paving, curbing and recurbing 176th st., from Amsterdam ave. to Audubon ave.

The area of assessment for the above-mentioned lists extends to one-half the block at the intersecting streets.

Borough of The Bronx,

1850. Paving and curbing E. 150th st., from Robbins ave. to Prospect ave.

1968. Paving and curbing Grant ave., from 165th to 166th sts.

1983. Paving and curbing E. 156th st., from Kelly st. to Dawson st.

The area of assessment for the above-mentioned lists extends to one-half the block at the intersecting streets.

1868. Receiving basin at the northwest corner of Randall ave. and Tiffany street.

Affecting Block 2765.

Borough of Queens,

1774. Regulating, grading, curbing, flagging and laying crosswalks on Prospect street, from Webster ave. to Payntar ave., 1st Ward.

1887. Regulating, grading, curbing and flagging Academy st., from Jane st. to Wilbur ave., 1st Ward.

The area of assessment for the above-mentioned lists extends to one-half the block at the intersecting streets.

1937. Sewer in Elm st., from Crescent st. to 100 feet west of Academy st., and a receiving basin on the northeast corner of Elm st. and Academy st., 1st Ward.

Affecting Blocks 86, 87 and 98.

1939. Sewer in 14th ave., from Vanderventer ave. to Flushing ave.; in 15th ave., from Vanderventer ave. to Flushing ave., and in Wilson ave., from 15th ave. to 13th ave.

Affecting Blocks 208, 221, 223, 224, 236, 237, 207 and 222.

1940. Receiving basin on the southwest corner of Van Alst ave. and Lincoln st., 1st Ward.

Affecting Block 46.

Borough of Richmond,

1747. Regrading, relaying and renewing sidewalks on Canal st., between Bay st. and the Public Dock, 2d Ward.

The area of assessment extends to one-half the block at the intersecting streets.

All persons whose interests are affected by the above-named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, 320 Broadway, New York, on or before October 17, 1911, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, September 16, 1911. s16,27

PUBLIC NOTICE IS HEREBY GIVEN TO all persons claiming to have been injured by a change of grade in the regulating and grading of the following named streets to present their claims, in writing, to the Secretary of the Board of Assessors, No. 320 Broadway, on or before September 26, 1911, at 11 o'clock a. m., at which place and time the said Board of Assessors will receive evidence and testimony of the nature and extent of such injury. Claimants are requested to make their claims for damages upon the blank form prepared by the Board of Assessors, copies of which may be obtained upon application at the above office.

Borough of Manhattan,

1951. Arden st., between Nagle ave. and Broadway.

1954. Buena Vista ave., from W. 177th st. to north line of W. 178th st.

2002. 190th st. west, from St. Nicholas ave. to Wadsworth ave.

Borough of The Bronx.

1955. Exterior st., between 149th st. and Jerome ave.

1966. Eden ave., from Morris ave. at E. 172d st. to E. 174th st.

1967. Faile st., between Seneca and Lafayette aves.

1969. Teller ave., between E. 170th st. and Morris ave.

1970. W. 238th st., between Sedgwick ave. and Cannon place.

1982. LaFontaine ave., Quarry road north to the south line of Oak Tree place.

2004. Edenwald ave. (Jefferson ave.), between E. 233d st. and boundary line between New York and Mount Vernon.

Borough of Brooklyn.

1910. DeKalb ave., between St. Nicholas ave. and the Borough line.

1911. Diamond st., between Meserole and Greenpoint aves.; between Meserole ave. and Calyer st., and between Calyer st. and Greenpoint aves.

1912. E. 5th st., from a point 300 ft. north of Avenue F to Ditmas ave.

1913. E. 32d st., from Farragut road north to the line of Water Works.

1914. E. 32d st., between Snyder and Church aves.

1915. 8th ave., between 40th and 49th sts.

1916. 51st st., between 13th and 16th aves.

1919. Fuller place, between Windsor place and Prospect ave.

1920. Howard pl., between Windsor pl. and Prospect ave.

1921. Livonia ave., between Barrett st. and Hopkins ave.

1922. Livonia ave., between Warwick and Cleveland sts.

1923. 96th st., between 4th and Marine aves.

1924. New York ave., between Avenue H and south line of Flatbush Water Works.

1925. Otsego st., between Dwight and Sugourney sts.

1926. Putnam (st.) ave., from Knickerbocker ave. to Queens County line.

1927. 20th (st.) ave., between Bath and Cropsey aves.

1929. Carroll st., between Bedford and Rogers aves.

1930. Crown st., from Washington ave. to a point 315 feet west of Franklin ave. and from a point 235 feet west of Franklin ave. to Franklin ave.

1931. E. 28th st., between Foster and Flatbush aves.

1934. 67th st., between 2d and 3d aves.

1935. Sterling place, between Eastern parkway extension and Howard ave.

1936. Stockholm st., between St. Nicholas ave. and the Borough line.

1941. Beverley road, between Nostrand and New York aves.

1944. Cortelyou road, between Gravesend ave. and Ocean parkway.

1945. Eldert st., between Knickerbocker ave. and the City line.

1948. Sutter ave., between Berriman st. and Montauk ave.

1949. Union st., between Nostrand and New York aves.

1950. 13th ave., between 66th and 75th sts.

1973. Blake ave., between Hinsdale st. and Vesta ave.

1974. Dupont st., between Oakland and Provost sts.

1976. 95th st., between 5th and Fort Hamilton aves.

1978. Powell st., between Dumont and Livonia aves.

1979. 77th st., between 1st and 2d aves.

1980. Whitwell place, between Carroll and 1st sts.

1990. 53d st., between New Utrecht and 18th aves.

1991. 59th st., from 12th ave. and 13th ave.

1992. Malbone st., between Bridge over Brighton Beach R. R. and Nostrand ave.

1993. Malta st., between New Lots and Hegeman aves.

1994. Marine ave., between 92d st. and Fort Hamilton ave.

2020. 20th ave., between Bath and Cropsey aves.

2022. Bay 13th st., between 86th st. and Cropsey ave.

2024. E. 23d st., from Canarsie ave. to Avenue D.

2025. Lincoln ave., from Fulton to Ridgewood aves.

2026. Montgomery st., from Bedford to Rogers aves.

2028. Sterling place, from Rochester to Buffalo aves.

2027. Sterling place, from Eastern parkway extension to East New York ave.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, September 11, 1911. s11,21

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 Brooklyn,

1875. Paving Diamond st. from Calyer st. to Greenpoint ave.

1905. Paving 41st st., between 13th and 14th aves.

1909. Paving Ashford st., between Blake and Dumont aves.

1956. Paving E. 8th st., between Avenue C and Cortelyou road.

1957. Paving 45th st., between 17th ave. and West st.

1972. Paving Lott st., between Vernon ave. and Beverley road.

The area of assessment in the above-mentioned lists extends to one-half the block at the intersecting streets.

1877. Flagging 86th st. between 1st and 2d aves.; Prospect ave., between Hamilton and 3d aves.; west side of 11th ave., between Prospect ave. and Sherman st.; north side of Avenue N, between E. 18th and E. 19th sts.

1960. Sewer basin at the easterly corner of 73d st. and 15th ave.

Affecting Block 6191, lots 1 and 69.

1963. Sewer in Union st., between Nostrand and New York aves.

1977. Curbing and flagging 101st st., between 4th and Fort Hamilton aves.

Affecting north side of 101st st., between 4th and Fort Hamilton aves.

All persons whose interests are affected by the above-named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, 320 Broadway, New York, on or before October 10, 1911, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

JOS. P. HENNESSY, WM. C. ORMOND, ANTONIO C. ASTARITA, Board of Assessors.

THOMAS J. DRENNAN, Secretary, 320 Broadway, City of New York, Borough of Manhattan, September 9, 1911. s9,20

SUPREME COURT—FIRST DEPARTMENT.

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the widening of WEST ONE HUNDRED AND THIRTY-EIGHTH STREET at its junction with Fifth avenue (although not yet named by public authority), in the Twelfth Ward, in the Borough of Manhattan, City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held at Part I. thereof, in and for the County of New York, in the County Court House, in the Borough of Manhattan, City of New York, on the 28th day of September, 1911, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above-entitled proceeding.

The nature and extent of the improvement hereby intended is the acquisition of title in fee by The City of New York, for the use of the public, to all the lands and premises, together with the buildings thereon and the appurtenances thereunto belonging, required for the widening of West One Hundred and Thirty-eighth street, at its junction with Fifth avenue, in the Twelfth Ward, in the Borough of Manhattan, City of New York, being the following-described pieces or parcels of land:

Beginning at a point in the northerly line of West One Hundred and Thirty-eighth street, distant 795 feet from Lenox avenue and thence easterly along said line, distance 100 feet, to the westerly line of Fifth avenue; thence northerly along said line, distance 49.92 feet; thence southwesterly, distance 111.76 feet to the northerly line of West One Hundred and Thirty-eighth street, the point or place of beginning.

The land to be taken for the widening of West One Hundred and Thirty-eighth street is located in Section 6, Block 1736 of the Land Map of the Borough of Manhattan of The City of New York.

The Board of Estimate and Apportionment on the 6th day of July, 1911, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

District No. 1, Borough of Manhattan. Bounded on the northeast by a line midway between West One Hundred and Thirty-eighth street and West One Hundred and Thirty-ninth street; on the southeast by the northwesterly line of Fifth avenue; on the southwest by a line always midway between West One Hundred and Thirty-seventh street and West One Hundred and Thirty-eighth street, and on the northwest by a line distant 100 feet northwesterly from and parallel with the northwesterly line of Seventh avenue, the said distance being measured at right angles to the line of Seventh avenue.

District No. 2, Borough of The Bronx. Bounded on the northeast by a line always distant 100 feet northeasterly from and parallel with the northeasterly line of East One Hundred and Thirty-eighth street, the said distance being measured at right angles to the line of East One Hundred and Thirty-eighth street; on the southeast by the northwesterly right of way line of the New York and Harlem Railroad; on the southwest by a line always distant 100 feet southwesterly from and parallel with the southwesterly line of East One Hundred and Thirty-eighth street, the said distance being measured at right angles to the line of East One Hundred and Thirty-eighth street, and on the west by the easterly bulkhead line of the Harlem River.

Dated New York, September 16, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, City of New York. s16,27

SUPREME COURT—SECOND DEPARTMENT.

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 TRAUTMAN STREET (although not yet named by proper authority), from Brooklyn Borough Line to Metropolitan avenue, in the Second Ward, Borough of Queens, City of New York; as amended by an order of the Supreme Court, duly made and entered in the office of the Clerk of the County of Queens on the 3d day of March, 1910, so as to conform to the lines of said street as shown upon sections 13 and 14 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 21st day of May, 1909, and approved by the Mayor on the 4th day of June, 1909.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above-entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 27th day of September, 1911, at 10.30 o'clock in the forenoon of that day; and that the said final report has been deposited in the office of the Clerk of the County of Queens, there to remain for and during the space of five days, as required by law.

Dated Borough of Manhattan, New York, September 19, 1911.

JAS. T. OLWELL, GEORGE GREEN, R. W. KELLOGG, Commissioners.

JOSEPH J. MYERS, Clerk. s19,23

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of SEVENTEENTH AVENUE (although not yet named by proper authority), from Wilson avenue to Jackson avenue, in the First Ward, Borough of Queens, City of New York.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this 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 we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our 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 9th day of October, 1911, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 11th day of October, 1911, at 2 o'clock p. m.

Second. That the abstracts of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us 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, Long Island City, in the Borough of Queens, in said City, there to remain until the 11th day of October, 1911.

Third. That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the northerly side of Jackson avenue where the same is intersected by a line drawn parallel to Seventeenth avenue and 100 feet west of the westerly line of Seventeenth avenue; running thence northerly and at all times parallel to the westerly line of Seventeenth avenue to the northerly line of Wilson avenue; thence running easterly along the northerly line of Wilson avenue to a point 100 feet easterly from the easterly line of Seventeenth avenue; thence running southerly and at all times parallel with the easterly line of Seventeenth avenue to the northerly line of Jackson avenue; thence westerly along the northerly line of Jackson avenue to the point or place of beginning.

Fourth. That, provided there be no objections filed to either of said abstracts, our final report herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 28th day of November, 1911, at the opening of the Court on that day.

Fifth. In case, however, objections are filed to either of said abstracts of estimate and assessment, the notice of motion to confirm our final report herein will stand adjourned to the date to be hereafter specified, and of which notice will be given to all those who have theretofore appeared in this proceeding, as well as by publication in the CITY RECORD, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, September 12, 1911.

WM. S. COGSWELL, Chairman; JAMES C. VAN SICLEN, Commissioners.

JOSEPH J. MYERS, Clerk. s18,o4

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 WEIRFIELD STREET,

from the line between the Borough of Brooklyn and the Borough of Queens to Wyckoff avenue; HANCOCK STREET, from the line between the Borough of Queens to Myrtle avenue; JEFFERSON AVENUE, from the line between the Borough of Brooklyn and the Borough of Queens to Cypress avenue, and CORNELIA STREET, from the line between the Borough of Brooklyn and the Borough of Queens to Fresh Pond road, excepting in each case the right of way of the Evergreen Branch of the Long Island Railroad, in the Second Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 11th day of August, 1911, and duly entered and filed in the office of the Clerk of the County of Queens, on the 17th day of August, 1911, John C. Myers, Charles H. Georgi and Michael Connor, Esqs., were appointed Commissioners of Estimate in the above-entitled proceeding and in and by the said order John C. Myers was appointed the Commissioner of Assessment.

Notice is hereby further given that pursuant to the statutes in such cases made and provided, the said John C. Myers, Charles H. Georgi and Michael Connor, Esqs., will attend at a Special Term for the hearing of ex parte motions of the Supreme Court, State of New York, Second Department, to be held at the County Court House in the Borough of Brooklyn, in The City of New York, on the 28th day of September, 1911, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel and any other person having an interest in said proceeding as to their qualification to act as such Commissioners in the above-entitled proceeding.

Dated New York, September 16, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, New York City. s16,27

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 SHALER STREET, from Kossuth place to Cornelia street and from Madison street to Traffic street, in the Second Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 11th day of August, 1911, and duly entered and filed in the office of the Clerk of the County of Queens, on the 17th day of August, 1911, James Callahan, W. T. Wetmore and John C. Myers, Esqs., were appointed Commissioners of Estimate in the above-entitled proceeding and that in and by the said order John C. Myers was appointed the Commissioner of Assessment.

Notice is hereby further given that pursuant to the statutes in such cases made and provided, the said James Callahan, W. T. Wetmore and John C. Myers, Esqs. will attend at a Special Term for the hearing of ex parte motions of the Supreme Court, State of New York, Second Department, to be held at the County Court House in the Borough of Brooklyn in the City of New York, on the 28th day of September, 1911, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel and any other person having an interest in said proceeding as to their qualification to act as such Commissioners in the above-entitled proceeding.

Dated New York, September 16, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, New York City. s16,27

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 a parcel of property at the foot of MYRTLE AVENUE, extending from Lawrence street to Flushing Creek, required for the construction of a trunk sewer designed for the drainage of the adjoining area in the Third Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 11th day of August, 1911, and duly entered and filed in the office of the Clerk of the County of Queens, on the 17th day of August, 1911, J. H. Quinlan, Robert Wilson and Frank Knabb, Esqs., were appointed Commissioners of Estimate in the above-entitled proceeding and that in and by the said order J. H. Quinlan was appointed the Commissioner of Assessment.

Notice is hereby further given that pursuant to the statutes in such cases made and provided, the said J. H. Quinlan, Robert Wilson and Frank Knabb, Esqs., will attend at a Special Term for the hearing of ex parte motions of the Supreme Court, State of New York, Second Department, to be held at the County Court House in the Borough of Brooklyn, in the City of New York, on the 28th day of September, 1911, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel and any other person having an interest in said proceeding as to their qualification to act as such Commissioners in the above-entitled proceeding.

Dated New York, September 16, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, New York City. s16,27

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 PALMETTO STREET, from Onderdonk avenue to Fresh Pond road; WOODBINE STREET, from Myrtle avenue to Fresh Pond road, and of MADISON STREET, from Wyckoff avenue to Fresh Pond road, in the Second Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 11th day of July, 1911, and duly entered and filed in the office of the Clerk of the County of Queens on the 27th day of July, 1911, John E. Van Nostrand, Joseph W. Savage and Luke Otten, Esqs., were appointed Commissioners of Estimate in the above-entitled proceeding, and that in and by the said order John E. Van Nostrand was appointed the Commissioner of Assessment.

Notice is hereby further given that pursuant to statutes in such cases made and provided the said John E. Van Nostrand, Joseph W. Savage and Luke Otten, Esqs. will attend at a Special Term for the hearing of ex parte motions of the Supreme Court, State of New York, Second Department, to be held at the County Court House, in the Borough of Brooklyn, in the State of New York, on the 28th day of September, 1911, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel and any other person having an interest in said proceeding as to their qualification to act as such Commissioners in the above-entitled proceeding.

Dated New York, September 16, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, New York City. s16,27

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 an easement for sewer purposes in HARSELL STREET (Wilbur avenue), from Vernon avenue to the bulkhead line of the East River, in the First Ward, Borough of Queens, City of New York, shown on a map or plan submitted by the Secretary of the Borough with his communication dated June 13, 1910.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, Second Department, bearing date the 11th day of July, 1911, and duly entered and filed in the office of the Clerk of the County of Queens on the 27th day of July, 1911, J. H. Quinlan, Harry R. Gelwicks and C. H. Georgi, Esqs., were appointed Commissioners of Estimate in the above-entitled proceeding and that in and by the said order J. H. Quinlan was appointed the Commissioner of Assessment.

Notice is hereby further given that pursuant to the statutes in such cases made and provided, said J. H. Quinlan, Harry R. Gelwicks and C. H. Georgi, Esqs., will attend at a Special Term for the hearing of ex parte motions of the Supreme Court, State of New York, Second Department, to be held at the County Court House in the Borough of Brooklyn, in the City of New York, on the 28th day of September, 1911, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for the purpose of being examined under oath by the Corporation Counsel and any other person having an interest in said proceeding as to their qualification to act as such Commissioners in the above-entitled proceeding.

Dated New York, September 16, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Borough of Manhattan, New York City. s16,27

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to AVENUE M, from Ocean avenue to Ocean parkway, except the lands occupied by the tracks of the Long Island Railroad and the Brooklyn and Brighton Beach Railroad, in the Thirty-first and Thirty-second Wards in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT GEORGE J. S. Dowling, Francis S. McDivitt and William H. Taylor were appointed by an order of the Supreme Court made and entered the 1st day of July, 1911, Commissioners of Estimate, and George J. S. Dowling, Commissioner of Assessment, in the above-entitled proceeding.

Notice is also given, that the above-named Commissioners will attend at a Special Term for the hearing of motions, appointed to be held at the Kings County Court House in the Borough of Brooklyn, The City of New York, on the 25th day of September, 1911, on the opening of the Court on that day, or as soon thereafter as counsel can be heard; and at said time and place, or at such other time and place as the Court may direct, the said Commissioners may be examined under oath as to their qualifications to act, and are subject to challenge by any party or person interested in this proceeding, as provided by Section 973 of Title 4 of Chapter XVII of the Charter of The City of New York.

Dated New York, Borough of Brooklyn, September 12, 1911.

ARCHIBALD R. WATSON, Corporation Counsel. s12,22

SUPREME COURT—NINTH JUDICIAL DISTRICT.

NINTH JUDICIAL DISTRICT,

WESTCHESTER COUNTY.

Southern Aqueduct Department (Catskill Aqueduct), Section No. 13.

Fourth Separate Report.

In the matter of the application and petition of John A. Bensel, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York under chapter 724 of the Laws of 1905 and the Acts amendatory thereof, in the Towns of Yorktown and New Castle, Westchester County, New York, for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Fourth Separate Report of the Commissioners of Appraisal in the above-entitled matter dated May 23, 1911, and filed in the office of the Clerk of the County of Westchester, at White Plains, New York, on May 29, 1911, and which includes Parcels 950, 952, 958, 958b and 958c, and the claim of the Ramapo Water Company, will be presented to the Supreme Court for confirmation at a Special Term thereof to be held in and for the Ninth Judicial District at chambers of Mr. Justice Keogh, in New Rochelle, Westchester County, New York, on the 30th day of September, 1911, at 10 o'clock in the forenoon of that day or as soon thereafter as counsel can be heard. Reserving to the City the right to oppose the confirmation of any or all of the awards or recommendations contained in said report.

Dated August 31, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Hall of Records, Chambers and Centre streets, Borough of Manhattan, New York City. s8,30

NINTH JUDICIAL DISTRICT,

WESTCHESTER COUNTY.

Southern Aqueduct Department (Catskill Aqueduct), Section No. 16.

Fourth Separate Report.

In the matter of the application and petition of John A. Bensel, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York under chapter 724 of the Laws of 1905 and the Acts amendatory thereof, in the Town of Greenburg and the City of Yonkers, Westchester County, New York, for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Fourth Separate Report of the Commissioners of Appraisal in the above-entitled proceeding, dated June 20, 1911, and filed in the office of the Clerk of the County of Westchester at White Plains, New York, June 23, 1911, and which includes Parcels 1088, 1089, 1135, 1136, 1138, 1139, 1140, 1141, 1143, 1146, 1147, 1148 and the claim of the Ramapo Water Company will be presented to the Supreme Court for confirmation at a Special Term thereof to be held in and for the Ninth Judicial District at the chambers of Mr. Justice Keogh in New Rochelle, Westchester County, New York, on the 30th day of September, 1911, at 10 o'clock in the forenoon of that day or as soon thereafter as counsel can be heard. Reserving to The City of New York the right to oppose the confirmation of any or all of the awards or recommendations contained in said report.

Dated August 31, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Office and Post Office Address, Hall of Records, corner of Chambers and Centre streets, Borough of Manhattan, New York City. s8,30

NINTH JUDICIAL DISTRICT,

WESTCHESTER COUNTY.

Southern Aqueduct Department (Catskill Aqueduct), Sections Nos. 15 and 17.

Fourth Separate Report.

In the matter of the application and petition of John A. Bensel, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York under chapter 724 of the Laws of 1905 and the Acts amendatory thereof, in the Towns of Mount Pleasant and Greenburg, Westchester County, New York, for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Fourth Separate Report of the Commissioners of Appraisal in the above-entitled proceeding, dated August 10, 1911, and filed in the office of the Clerk of the County of Westchester at White Plains, New York, August 14, 1911, and which includes Parcels 1007, 1010, 1011, 1012, 1015, 1021, 1166 and 1170, will be presented to the Supreme Court for confirmation at a Special Term thereof to be held in and for the Ninth Judicial District at the chambers of Mr. Justice Keogh in New Rochelle, Westchester County, New York, on the 30th day of September, 1911, at 10 o'clock in the forenoon of that day or as soon thereafter as counsel can be heard. Reserving to The City of New York the right to oppose the confirmation of any or all of the awards or recommendations contained in said report.

Dated August 31, 1911.

ARCHIBALD R. WATSON, Corporation Counsel, Office and Post Office Address, Hall of Records, corner of Chambers and Centre streets, Borough of Manhattan, New York City. s8,30

NOTICE TO BIDDERS AT SALES OF OLD BUILDINGS, ETC.

TERMS AND CONDITIONS UNDER WHICH BUILDINGS, ETC., WILL BE SOLD FOR REMOVAL FROM CITY PROPERTY.

THE BUILDINGS AND APPURTENANCES thereto will be sold to the highest bidder, who must pay cash or certified check, drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers in the Borough in which the buildings are situated, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof, within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the cost and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beamholes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs and adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resoved, That, while the said sale is held under the supervision of the Commissioner of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

PROPOSALS FOR BIDS AND ESTIMATES FOR THE CITY OF NEW YORK.

NOTICE TO CONTRACTORS.

GENERAL INSTRUCTIONS TO BIDDERS.

The person or persons making a bid or estimate for any services, work, materials or supplies for The City of New York, or for any of its departments, bureaus or offices, shall furnish the same in a sealed envelope, indorsed with the title of the supplies, materials, work or services for which the bid or estimate is made, with his or their name or names and the date of presentation to the President or Board or to the head of the Department at his or its office, on or before the date and hour named in the advertisement for the same, at which time and place the estimates received will be publicly opened by the President or Board or head of said Department, and read, and the award of the contract made according to law as soon thereafter as practicable.

Each bid or estimate shall contain the name and place of residence of the person making the same, and names of all persons interested with him therein, and, if no other person be so interested, it shall distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, head of a Department, chief of a Bureau, deputy thereof, or clerk therein, or other officer of The City of New York is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise in or in the performance of the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated herein are in all respects true.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, or of a guaranty or surety company duly authorized by law to act as surety, and shall contain the matters set forth in the blank forms mentioned below.

No bid or estimate will be considered unless as a condition precedent to the reception or consideration of any proposal, it be accompanied by a certified check upon one of the State or National banks of The City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

The certified check or money should not be inclosed in the envelope containing the bid or estimate, but should be either inclosed in a separate envelope addressed to the head of the Department, President or Board, or submitted personally upon the presentation of the bid or estimate.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work, reference must be made to the specifications, schedules, plans, etc., on file in the said office of the President, Board or Department.

No bid shall be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the City.

The contract must be bid for separately.

The right is reserved in each case to reject all bids or estimates if it is deemed to be for the interest of the City so to do.

Bidders will write out the amount of their bids or estimates in addition to inserting the same in figures.

Bidders are requested to make their bids or estimates upon the blank forms prepared and furnished by the City, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel can be obtained upon application therefor at the office of the Department for which the work is to be done. Plans and drawings of construction work may also be seen there.