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DEPARTMENT OF HIGHWAYS.

Report for the Quarter ending June 30, 1898.

DEPARTMENT OF HIGHWAYS—COMMISSIONER'S OFFICE,
NO. 150 NASSAU STREET,
NEW YORK, July 15, 1898.

Hon. ROBERT A. VAN WYCK, Mayor.

DEAR SIR—Pursuant to the provisions of section 1544 of the Charter of The City of New York, I submit the following report of the operations of the Department of Highways for the quarter ending June 30, 1898:

At the beginning of the period for which this official report is made, this Department was prevented from entering into contracts for works to be paid for by the proceeds of bonds, in consequence of the uncertainty as to the items to be included in the indebtedness of the City, and of the opinion rendered by the Corporation Counsel that contract indebtedness must be included in determining whether the City had reached or exceeded the debt limit prescribed by the Constitution. The same reason prevented the commencement or resumption, under direction of the Department, of work under contracts made in 1897, until the submission by the Comptroller of his statement of the financial condition of the City, and even then additional delay was caused by the necessity of seeking the advice of the Corporation Counsel on the question of ordering the commencement or resumption of work under contracts for improvements to be paid for by the proceeds of bonds.

It has seemed to the Department more prudent and safe, even if it occasions some delay, to steadily pursue the policy of resorting to the Law Department of the City Government for advice in all cases involving the question of the legality of any action to be taken, than to incur the risk of committing an error which could have been avoided by obtaining the advice of that Department. Not only was this course necessitated by the conditions arising in specific cases during the last quarter, but several of the opinions received from the Law Department pass upon matters arising under the provisions of the new Charter that will be valuable for future reference, and will facilitate the future action of the Department, therefore justifying the course pursued. Thus, in more than thirty instances, before a decision was reached, the advice of the Corporation Counsel was sought. Among them may be mentioned the case of Trinity avenue, between One Hundred and Sixty-third and One Hundred and Sixty-fourth streets, the grade of which was found to be too steep for an asphalt pavement, as provided in the contract for paving that avenue from One Hundred and Sixty-third to One Hundred and Sixty-sixth street. The suggestion, approved by the Engineers of the Department for the Borough of The Bronx, was made that vitrified brick should be substituted for asphalt on that section of the avenue, if the change could be made without invalidating the assessment for the improvement. The Corporation Counsel advised that as the contract price was payable by assessment, the substitution could not well be made, and despite the many reasons offered in favor of the substitution, the action of the Department was governed by the advice received from the Law Department.

Again, in considering an application for permission to construct vaults in front of the new building at the southeast corner of Broadway and Duane street, where old vaults had been maintained for many years, the important question arose, whether the owner should be charged the existing rates per square foot for the space of the new vaults only, or in addition thereto should be charged for the area of the old vaults at the same rate, less the 15 cents per square foot paid when the permits for the old vaults were issued. The Corporation Counsel advised that the Department could not legally exact a fee for the space occupied by the old vaults, where such vaults have existed for any length of time exceeding twenty years, or where the records of the Department show that a permit has been granted.

Numerous requests for asphalt pavements have been received by the Department. On some of the streets named in these applications the existing stone pavements are comparatively new and in good condition. Owing to the fact of the expenditure of the proceeds of the bonds authorized by the Legislature during 1897 for paving in this City, and for want of any similar authorization of bonds by the Municipal Assembly under the provisions of the Charter, also in view of the small appropriation for repaving streets and avenues in the City, it would be absolutely impossible to comply with the numerous and miscellaneous requests for the asphalt paving of streets that have been received. A compliance with these requests for the pavement of streets which are widely separated, in many cases not intersecting, and in a few instances comparatively unimportant, would prevent the adoption of a systematic policy of paving the streets of the City, expressed in connecting and developing conveyance and transportation between its important points, and the establishment of continuous thoroughfares of asphalt along the lines of travel, increase of population and property valuation. The Department, therefore, has recommended to the Board of Public Improvements, in the first place, the repaving with asphalt only of such streets and sections of streets as have thorough age and wear and tear of traffic become defective.

The frequency and number of the complaints to the Board of Public Improvements and to this Department by teachers in the public schools regarding the great difficulty of teaching in schools situated upon streets paved with stone, owing to the loud noise arising from traffic thereon, clearly indicate and justify one of the first purposes of the Department, that it is desirable to have asphalt pavements laid on all streets on which public schools, as well as hospitals, are located, the pavement in each case to extend not less than one block in length.

Under the direction of the Department, therefore, surveys and estimates are being made for a general system of asphalt pavements in front of and in the vicinity of public schools, and the Deputy Commissioners of the Department in the various boroughs have been directed to prepare and forward a statement showing the location of schools where asphalt pavements are necessary, and giving an estimate of the cost of such pavements, based on the laying of one block in length for each school building. It is estimated that this comprehensive plan of paving will involve an expenditure of \$600,000. While present indications are that sufficient money cannot at once be obtained for this commendable purpose, yet in the hope that some money might be appropriated therefor, it has seemed advisable to have the plans and estimates referred to prepared now, in order that the cost of such improvements may be known and the action of the Department concerning the laying of asphalt on streets where schools and hospitals are located facilitated when sufficient funds become available.

Keeping in view the necessity of protecting the City against the appropriation by railroad companies of spaces for rail-tracks in the public streets, to which they might not be legally entitled, all applications from such companies for the purpose of extending lines of rails, laying switches, turnouts or connections, have, before the issuance of any permits by this Department, been submitted to the Corporation Counsel, and such permits have been issued only in cases where the Law Department has certified that apart from the questions of engineering concerned there was no legal objection to the granting of the permits requested.

The Department, mindful of the many communications received from the City Improvement Society during the last quarter, desires in its official record for that period to give expression to its thanks to that organization for supplementing the work of the Department by its correspondence concerning the condition of pavements and sidewalks, and various violations of the ordinances throughout the City, thereby aiding the inspection of the sources of such complaints by the Department Inspectors.

While during the quarter the work of the Department was much delayed, and in many cases prevented, by reason of the condition of the City's finances, and particularly of that portion

thereof with which this Department is intimately concerned, yet numerous recommendations have been made to the Board of Public Improvements that streets be regulated and graded, paved and repaved, that vacant lots be fenced, and that sidewalks be flagged and reflagged where necessary. The works so recommended were partly chargeable to the "Street Improvement Fund," and partly to the regular appropriation for "Repaving Streets and Avenues."

Having made these few general remarks, the operations of the Department in each borough will be reviewed, beginning with the

BOROUGH OF MANHATTAN.

The mileage of pavements has not been increased over that quoted in my report for the first quarter of the year, viz., 399.54 miles.

Pursuant to the provisions of chapter 613 of the Laws of 1898, I, on April 30, assumed charge of the Park avenue improvement above One Hundred and Sixth street, the duties of the Commissioners who formerly had jurisdiction over that work having been transferred to me by that act of the Legislature.

The painting of the viaduct structure on Park avenue was completed in June. The roadway of the avenue from the north side of One Hundred and Twenty-sixth street to the south side of One Hundred and Thirtieth street remains to be paved, and a contract for this most necessary work will be entered into at an early date.

Satisfactory progress is being made in constructing Section No. 1 of the Viaduct on Riverside Drive, the work accomplished during the quarter being represented by the building of 1,550 cubic yards of retaining-wall, the driving of 126 piles and the laying of 95,000 bricks.

Under contracts for regulating and grading Edgecombe avenue, from One Hundred and Fifty-fifth to One Hundred and Seventy-fifth street; Terrace View avenue, from Kingsbridge avenue to Two Hundred and Twenty-sixth street, and from Broadway to Kingsbridge avenue; Audubon avenue, from One Hundred and Sixty-fifth to One Hundred and Seventy-fifth street; Nagle avenue, from Kingsbridge road to Tenth avenue; and One Hundred and Eighty-first street, from Kingsbridge road to the Boulevard Lafayette, 38,215 cubic yards of earth and 12,300 cubic yards of rock were excavated, while 48,781 cubic yards of filling were furnished. These contracts are not yet completed.

In flagging sidewalks on Eighth avenue, from Thirteenth street to the Harlem river; on the Boulevard, from Fifty-ninth to One Hundred and Eighth street, and on Fourteenth, Fifteenth and Sixteenth streets, between Tenth and Eleventh avenues, 61,193 square yards of new flagging were laid; 58,177 square yards of old flagging were relaid; 15,048 lineal feet of new curb-stones were set; 800 lineal feet of old curb-stones were reset, and 61,193 lineal feet of old curb-stones were redressed.

In flagging sidewalks and fencing vacant lots in front of City property \$414.50 was expended from the appropriation of \$2,000 made for that purpose.

About the usual number of complaints of defective sidewalks were received. At all locations where defects were reported the sidewalks were promptly inspected by officers attached to the staff of the Chief Engineer. In all cases where the inspections showed that the complaints were well founded, notices to repair the defects in the sidewalks within ten days were issued to the owners of the abutting property; and, in a number of instances where the notices were not complied with, and the defects were great enough to warrant such action, the complaints were transmitted to the President of the Borough for presentation to the Local Boards of the respective districts, the Corporation Counsel having decided that initiative action on all matters involving assessments on the property benefited should be taken by the Local Boards.

For 43 permits issued to construct vaults, \$60,274.29 was collected by the Bureau of Street Openings, Paving and Repaving.

In repairing and relaying defective pavements an average force of 195 mechanics, 212 laborers, 84 horses and carts, and 4 teams was employed during the quarter. The work performed by this force comprised the relaying and repairing of about 78,875 square yards of pavement and the examination of a large number of complaints.

In repairing pipes other than water mains, and in making connections for gas, water, sewage and electric light, 5,856 openings were made in the public streets. Such openings become a nuisance to residents in the vicinity thereof when the pavement is not promptly restored; hence this Department takes special pains to have all street openings filled up and repaved as soon as practicable.

The report of the Engineer of Subsurface Work shows in detail the number of permits issued to corporations to open streets for the purpose of laying gas-mains, building subways and reconstructing railways. All these works were performed under strict supervision by Inspectors of this Department, and 12,850 inspections were made of the pavement which was taken up by corporations to whom permits were granted.

Few complaints have been received regarding the condition of the unpaved streets and macadamized roads under the care of the Bureau of Streets and Roads. Heavy rain-storms invariably cause a number of washouts on unpaved streets. If repairs were not promptly made in such cases accidents would undoubtedly result. For this reason every rain-storm is immediately followed by inspections of unpaved roadways generally, but first and more particularly at points where steep grades lend velocity and increased power for damage to the torrents of water that sweep down these inclines, leaving in their wake manifold evidences of destruction. It is of interest to note that most of the material used in repairing the damage thus caused has been procured free of cost to the City.

The macadamized roadways have been regularly sprinkled in dry weather to prevent dust; and they have also been scraped and kept fairly clean at all times.

The park plots on the Boulevard have been sodded, shrubs have been planted in all the plots, and these, in conjunction with the flower beds, enhance the attractiveness of that thoroughfare.

In removing obstructions from streets and avenues, care has been exercised not to unnecessarily harass shopkeepers. The policy of not removing goods from in front of stores, except when too much space is appropriated and just complaint results, is uniformly pursued. The complaints of obstructions received and attended to numbered 1,004. When such complaints reach the office of the Superintendent of Incumbrances, he details inspectors to make examinations and report to him the conditions existing at the locations named in the complaints. In all cases where it is found that there is just cause of complaint, the owners of the incumbrances are notified to remove them; and if the notices are not complied with, the goods obstructing the sidewalks are removed to the Corporation Yard, and ultimately sold at auction if not redeemed by the owners.

Two hundred and forty-four seizures and removals of obstructions, including the removal of 843 loads of dirt, stone and rubbish; the throwing in of dirt and rubbish on premises at various locations; also the removal of 245 dead and dangerous trees, stumps and posts, cost \$53,004.34. Against this sum only \$220.50 was received for the redemption of articles seized as obstructions and stored in the City's Corporation Yards.

For information in detail regarding the operations of this department in the Borough of Manhattan, I refer you to:

- Document A—Statement of Appropriations, Payments and Balances.
- Document B—Report of Cashier.
- Document C—Tabulated Mileage of Pavements in all Boroughs.
- Document D—Report of the Chief Engineer, Department of Highways.
- Document E—Report of the Superintendent of Street Openings, Paving and Repaving.
- Document F—Report of the Engineer of Subsurface Construction.
- Document G—Report of the Superintendent of Streets and Roads.
- Document H—Report of the Superintendent of Incumbrances.
- Document I—Statement of Contracts Entered Into and Contracts Completed.

BOROUGH OF THE BRONX.

The area of paved streets in this Borough has been increased by 4.84 miles, comprising .63 miles of specification granite, .10 miles of specification trap, 1.15 miles of sheet asphalt, 2.84 miles of macadam and .14 miles of brick, making the total mileage of paved streets 142.73, as per tabulated statement hereto attached.

Energetic efforts have been made to keep the paved streets in a satisfactory condition. The complaints which have been received of defects in pavements have been promptly attended to and repairs have been made to 2,002 square yards of trap-block pavement, 5,866 square yards of granite-block pavement and to 348 square yards of gutters paved with cobble stone.

In repairing and maintaining macadamized streets, 4,469 square yards of new macadam have been laid, 52,773 square yards of old macadam have been repaired, 356,476 square yards of pavement have been scraped and cleaned and 1,133 square yards of Telford foundation have been laid.

Unpaved streets and roads have also been well cared for, 971,353 square yards thereof having been properly surfaced and scraped.

The total mileage of these unpaved streets, generally called "earth roads," is 187.83.

Among the other items of work performed for the comfort and convenience of the community, I may instance the cleaning of 818,600 lineal feet of gutters and the resetting of 3,663 lineal feet of curbstones.

Systematic and careful inspections of sidewalks have been made, and under the supervision of this Department, 14,004 square feet of flagging have been relaid and repaired; 103,752 square feet of earth sidewalks have been tarred and maintained, while 96,778 square feet of this kind of sidewalk have been surfaced with asphalt, and 2,344 linear feet of plank sidewalks have been repaired.

A great source of discomfort and annoyance to the public is lack of proper crosswalks at street intersections, or the bad condition of existing crosswalks. Bearing this fact in mind, due attention has been bestowed on this matter by relaying and repaving 21,521 square feet of blue stone crosswalks, and laying 757 square feet of new crosswalks, supplemented by the necessary cleaning of 2,022,225 square feet of crosswalks on macadamized and unpaved streets.

The picturesque appearance of many of the streets in this Borough is due in no small degree to the handsome trees which have been planted. Of these trees 869 have been pruned for the sake of symmetry and the promotion of growth, and 83 trees which had died and were liable to fall have been cut down and removed.

In a district consisting of many new and unpaved streets, it is conducive to the comfort of pedestrians, as well as pleasing to the eye of aesthetic visitors from more urban quarters, to have smoothly graded and long grass cut and removed from the sides of roadways. This work has certainly not been neglected, judging from the removal of 542 loads of weeds and grass removed during the quarter.

The inability of the City to raise money for public improvements by the issue of bonds has seriously affected public interests in this as in all other Boroughs. This is proven by the facts that I have not been able to order contractors to begin work under eight contracts, which have been duly executed for improvements which are greatly needed; that four contracts which have been awarded have not been executed; and that many contracts upon which some work has been done by the contractors are practically abandoned because the contractors cannot get the payments they are entitled to while their work progresses. The Deputy Commissioner points out that many complaints have been made of the embarrassing and perplexing condition of affairs, and recommends that steps be taken by which these suspended works may be proceeded with, or that provision be made to restore to a safe and possible condition the surfaces of those streets which have been opened to traffic and made for traffic by the partial execution of the improvements contracted for, and now held in abeyance by the untoward circumstances alluded to. The problem involved in the Deputy Commissioner's recommendation is not easy to solve. It is not possible for contractors who have begun work and have been obliged to stop through no fault of their own, would be willing to at least partly undo or render ineffective work already performed, by proceeding to level excavations in the streets or to make them passable to traffic. At all events, the contractor could not be expected to undertake this work without extra compensation from the City, and here the money question again looms up as an obstacle to progress. The Department of Highways could not employ its laboring force on streets under contract without incurring a legal liability in which contractors might ensnare the City. In a case of opinion that the only way out of the dilemma is to let contracts run as they are until the contractors can be legally ordered to resume operations, when money shall be available to meet the 70 per cent. payments provided for in the contracts.

A complaint has been made of the condition of One Hundred and Thirty-eighth street, which is under contract to be repaved and graded, without any progress having been made for repaving the roadway from Third Avenue to Madison Avenue Bridge. The Deputy Commissioner suggests that a special appropriation be secured for this work, also for repaving One Hundred and Thirty-eighth street, from Third Avenue to Madison Avenue, which is under contract for repaving and grading, pending the necessary reporting. It seems to me that if the appropriation made to the Department for repaving streets and avenues in the Borough of The Bronx during this year is inadequate to meet the expense of these two streets, their repaving will have to be deferred until next year, as there is no prospect of being able to get special appropriations for this or any other purpose at present.

The bridges over the Most Haven Canal at One Hundred and Thirty-eighth and One Hundred and Thirty-fifth streets are reported to me as being inadequate and unsafe for traffic. These bridges appear to me to be of the description which the Corporation Council has classified as under the jurisdiction of the Department of Bridges. I have, therefore, asked the Commissioners of Bridges to take steps to have adequate and suitable bridges constructed at those points, in order that the full width of One Hundred and Thirty-eighth and One Hundred and Thirty-fifth streets, where they cross the Most Haven Canal, may be available for public use, and thus more immediately benefit the owners of the abutting property, who have been assured for the widening of these streets.

Contracts have been entered into for breaking and delivering 400,000 cubic yards of broken stone; 5,420 cubic yards of trap rock screenings; and 5,300 cubic yards of limestone screenings, these quantities of materials being required for the laying of new macadam pavement and for repairs to existing macadam pavements, the work to be done under the direction and supervision of the Bureau of Maintenance.

A source of unavoidable inconvenience to the public, is the large number of openings that most necessarily and almost continuously be made in the public streets and sidewalks. For openings to repair gas-mains and sewers; to make sewer, water and gas connections; to tap water-mains; to place telegraph poles; to build water-towers, and to perform other similar work, 4,073 permits have been issued. The men entrusted with the supervision of work of this class have instructions to see that such openings in the streets are filled up immediately after the work for which they were made has been accomplished, thus obviating the risk of accidents and minimizing the discomfort to the public which is inseparable from street openings.

The report of the Engineer of the Department of Highways, Borough of The Bronx, which is hereto appended, treats particularly of regulating, grading and paving work, and shows that regulating and grading work is in progress under 65 contracts, while regulating and paving work is in the same state, under 13 contracts. It also appears that 6 contracts for regulating and grading, 3 for regulating and paving and 2 for road-boxes have been completed. In connection with these improvements, 21 preliminary streets, 75 seventy per cent. payments and 12 payments on acceptance have been made.

Satisfactory progress has been made in constructing the abutments to the bridges across the tracks of the New York Central and Hudson River Railroad at Walton Avenue, Gerard Avenue and River Avenue, and they are now ready for the superstructure.

Excavation has been begun for the abutments at Fort Independence street; the work on Beam (dune) at Brook Avenue, between One Hundred and Fifty-seventh street and Third Avenue, has been advanced, all the steel beams and part of the concrete work being in place. The extension of the Pelham Avenue Bridge has been completed.

The beginning of work in connection with the construction of the Melrose Avenue Viaduct and the One Hundred and Fifty-third Street Viaduct has had to be postponed, because the proceedings for the acquisition by the City of title to the land to be occupied by these structures have not yet been consummated.

For detailed information I refer you to: Document J.—Report of the Deputy Commissioner of Highways, Borough of The Bronx. Document K.—Report of the Engineer, Borough of The Bronx. Document L.—Report of the General Superintendent of Highways, Borough of The Bronx.

BOROUGH OF BROOKLYN.

On June 30 there were in the Borough of Brooklyn 308.49 miles of paved streets, representing an increase of 1.08 miles of asphalt; 1.47 miles of granite; .58 miles of Belgian or trap block, and 1.10 miles of macadam; and a decrease of .93 miles of cobble-stone, making the net increase over the mileage reported March 31, 3.09 miles.

The same financial conditions which prevented the prosecution of public works in the Borough of Manhattan, proved a barrier to the carrying out of improvements in the Borough of Brooklyn, giving rise to numerous just complaints of property owners and residents along the lines of the streets where the improvements which have been duly authorized and are urgently needed could not be effected.

By the necessity of postponing these most necessary assessment works great hardship has been inflicted on the owners of the property to be benefited, particularly those of small means, who have in some instances been unable to pay their general taxes in consequence of their money being tied up by paying assessments for which they have received no benefit. Engineer Lewis' report treats fully of this subject.

The Corporation Council having decided that it was the duty of this Department to assume charge of the work to be performed under ten contracts entered into by the Commissioners of the Common Lands Fund of the late Town of Coney Island, and to order the contractors to begin work in the rotation in which the contracts were awarded, to the extent that the money available in the Common Lands Fund would admit, work has been ordered to be begun on all the contracts save two.

Steps have been taken to enter into contracts for repaving and maintaining asphalt pavements upon which the contractor's guarantee of maintenance have expired. On many of the streets the pavement was in such bad condition that, to prevent accidents, it was found necessary to expend \$2,554.54 in making emergency repairs where the worst defects existed.

Assistance has been obtained to procure, by contract, a supply of broken stone to repair macadamized roads, and a force of laborers is being organized to perform this work, under the direction and supervision of the Superintendent of Streets and Road.

The Department is regularly sprinkling about 12 1/2 miles of macadamized roads in the Thirtieth Ward, which are popular thoroughfares for driving and collecting, thus adding to the comfort of the great number of people who seek recreation in that section of the City.

For the purpose of making repairs to all mains except water mains and sewers, and of inserting service connections, 5,403 openings were made in various streets. The pavements have

been restored over these openings as promptly as practicable, thus causing as little inconvenience as possible to the public.

Engineer Lewis' report gives a detailed account of this and other classes of work. Upon 93 petitions presented through the President of the Borough for flagging sidewalks and fencing vacant lots, investigations have been made and reports, with estimates of cost, have been submitted, but no contracts have been entered into. Many sidewalks, however, have been improved by private contract, under the supervision of the Department's Inspectors.

The following documents contain information in detail: Document "M."—Report of the Deputy Commissioner of Highways, Borough of Brooklyn. Document "N."—Report of the Engineer of Highways, Borough of Brooklyn.

BOROUGH OF QUEENS.

In the report for the quarter ending March 31, there were included various contracts described as unfinished. These contracts were executed in 1897, by the several town and village authorities of Queens County and are still in the condition reported last quarter, no work having been done in consequence of doubt of the legality of the contracts and of the bonds issued to pay for the improvements. A complete list of these contracts is in the hands of the Comptroller for examination, and it is hoped that his decision will permit a speedy completion of all these unfinished contracts. The contractors are very anxious to proceed with their works, and the people living along the lines of the improvements demand that immediate steps be taken to complete them, many of the streets being in a condition dangerous to the traveling public.

The laboring force has been actively employed in repairing and maintaining the streets and roads, thus keeping them in safe and passable condition. Of macadam roads 68 miles were cleaned and repaired and 82 miles were sanded. Of unpaved or dirt roads, 488 miles were repaired, graded and crowned. Eleven and a half miles of Tuckball gravel roads were cleaned and repaired.

There are 524.04 miles of paved streets in the Borough, 14.51 miles being specification granite, 6.43 miles Belgian trap, 2 miles asphalt, 277.35 miles macadam, 9.76 miles block, 30 miles cobble and 15.68 miles gravel.

During the quarter 947 permits were issued to open streets for the purpose of tapping water pipes, repairing water connections, making and repairing sewer connections, placing building material on streets and crossing sidewalks.

In May a large number of wheelmen petitioned the Department of Highways, Borough of Queens, for a proper outlet for bicycle riders from the Thirty-fourth and Ninety-second Street ferries to the fine macadam roads of Queens County. This matter was brought to your attention May 7, and from the interest you have manifested and the desire you have shown to have asphalt strips laid on either side of the streets leading from the Thirty-fourth and the Ninety-second Street ferries, it is anticipated that the necessary appropriation of \$22,000 will be allowed by the Board of Estimate and Apportionment for the most necessary improvement.

I am awaiting an opinion from the Corporation Counsel as to whether or not this Department has jurisdiction over certain streets classed as "county roads." The Board of Supervisors now claim and exercise control of these streets, on which a number of contractors are at work, the money to pay for these improvements being in the possession of the County Treasurer of Queens County.

For detailed information I refer you to: Document O.—Report of the Deputy Commissioner of Highways, Borough of Queens.

BOROUGH OF RICHMOND.

It is gratifying to learn from the report of the Deputy Commissioner of this Borough that the streets, roads and avenues under the care of the Department of Highways have been maintained in such good condition and kept so clean as to elicit expressions of satisfaction from the property owners and residents of Richmond. It is no easy task to attain this high degree of efficiency in maintaining, repairing and cleaning 286 miles of streets and roads, of which only 124.16 miles are paved, nearly all with macadam; the other kinds of pavement in use being but 0.16 miles of specification granite; 0.03 miles of specification trap; and 0.07 miles of Belgian trap; the remaining 161.84 miles being unpaved.

The dirt or unpaved roads are being ditched, strip-piked and rolled, greatly improving them, and rendering driving in light vehicles safe, comparatively smooth, easy and comfortable.

At points where washouts, through heavy rainstorms, frequently occur, repairs are always made promptly, thus averting accidents, which would probably happen if the holes made in the roadways by torrents of rain were not immediately filled.

A great deal of attention has been given to sidewalks, curbs and gutters in the more thickly settled sections of the Borough. The comfort and convenience of the public largely depends on keeping in good condition the space allotted to pedestrian travel, and so maintaining the gutters in such a manner as to afford an unobstructed channel, along which surface water may freely flow, with no depressions in which it may settle, stagnate and emit effluvia for several days after storms have spent themselves.

As the Department of Street Cleaning cleans only streets paved with stone, asphalt or brick, the work of keeping in good sanitary condition the roadways in the Borough of Richmond devolves on the Department of Highways, and has been well performed. The force of this Department has cleaned weekly 86.77 miles of roads at a cost of \$13.51 per mile per week. This important work has been supplemented by once cleaning 18 miles of improved highways in outlying sections of the Borough, at an expense of \$51.87 per mile.

To open streets for the purpose of tapping water-pipes, repairing water connections, and making and repairing sewer connections, 488 permits were issued.

To obviate the discomfort which is caused by dust arising from roads in dry weather, particularly when the wind is blowing, 85.8 miles of streets have been sprinkled daily, the number of sprinklers employed being 27, and the cost per mile, \$1.17.

For detailed information I refer you to: Document P.—Report of the Deputy Commissioner and Chief Engineer of Highways, Borough of Richmond.

Yours respectfully,
JAMES P. KEATING, Commissioner of Highways.

MILEAGE OF PAVED STREETS IN THE CITY OF NEW YORK.

Table with 2 columns: Street Type and Miles. Rows include Borough of Manhattan, Borough of The Bronx, Borough of Brooklyn, and Borough of Queens, with sub-rows for various pavement types like Specification granite, Square granite, etc.

Borough of Richmond.

Table with 2 columns: Item (Specification trap, granite, Belgian trap, Macadam) and Miles. Total: 124.10.

DOCUMENT "A."

Second Quarterly Statement Showing Appropriations Made by the Board of Estimate and Apportionment, Payments and Balances on June 30, 1898.

Main table with 4 columns: Title of Appropriation, Amount of Appropriation, Payments, and Amount of Unexpended Balances. Rows include Borough of Manhattan, Borough of The Bronx, Borough of Brooklyn, and Borough of Queens.

DOCUMENT "B."

DEPARTMENT OF HIGHWAYS, BUREAU OF STREET OPENING, PAVING AND REPAVING, No. 150 NASSAU STREET, NEW YORK, July 1, 1898.

Hon. JAMES B. KEATING, Commissioner Highways: Herewith I submit a statement of all money received by me as Cashier of the Department of Highways for quarter ending June 30, 1898:

Table with 3 columns: Borough (Manhattan, Brooklyn, The Bronx, Queens), Special Fund, and Sinking Fund. Total: \$57,593 15.

Respectfully, BERNARD McQUADE, Cashier.

DOCUMENT "C."

MILEAGE OF PAVED STREETS IN THE CITY OF NEW YORK.

Borough of Manhattan.

Table with 2 columns: Material (Specification granite, Square granite, etc.) and Miles. Total: 309.54.

Borough of The Bronx.

Table with 2 columns: Item (Specification granite, trap, sheet asphalt, macadam, brick) and Miles. Total: 642.73.

Borough of Brooklyn.

Table with 2 columns: Item (Asphalt, Granite, Cobblestone, Belgian, Macadam, Yarned brick) and Miles. Total: 528.49.

Borough of Queens.

Table with 2 columns: Item (Specification granite, Belgian trap, Asphalt, Macadam, Brick, Cobble, Gravel) and Miles. Total: 324.84.

Borough of Richmond.

Table with 2 columns: Item (Specification granite, Specification trap, Belgian trap, Macadam) and Miles. Total: 124.10.

DOCUMENT "D."

DEPARTMENT OF HIGHWAYS (Created in Empire State Building, No. 120 Nassau Street, New York, July 7, 1898.)

Hon. James B. Keating, Commissioner of Highways: Sir, - In compliance with your instructions I have the honor to submit herewith my report of the transactions of this office for the quarter ending June 30, 1898.

Respectfully, STEVENSON POWELL, Chief Engineer of Highways.

The quantities in the statement of work done during the quarter were apportioned over the following contracts:

- The extension of River Drive, now in progress.
Regulating and grading: Kingsbridge avenue, One Hundred and Fifty-fifth to Two Hundred and Twenty-fifth street, now in progress.
Terrace View avenue, Kingsbridge avenue to Two Hundred and Twenty-sixth street, now in progress.

- Flagging: Eighth avenue, Thirtieth street to Harlem river, now in progress.
Boulevard, Fifty-ninth to One Hundred and Eighth street, work completed.

- Contracts in Progress on Which no Work was Done during the Quarter:
Regulating and grading: One Hundred and Twenty-fifth street, Boulevard to Riverside Drive.
One Hundred and Thirty-ninth street, Seventh to Fifth avenue.

Statement of Work Done during the Quarter ending June 30, 1898. Table with 2 columns: Item (Earth excavated, rock excavated, etc.) and Amount.

Amount of Vouchers Drawn.

Table with 2 columns: Item (Street Improvement Fund, Repairs and Renewals of Pavements, etc.) and Amount. Total: \$78,484 29.

Works Completed during the Quarter.

Table with 2 columns: Item (Flagging, relagging, curbing and resurbing, etc.) and Amount. Total: \$16,076 18.

Miles of Streets Paved during the Quarter.

Table with 2 columns: Material (With specification granite, With square granite, etc.) and Miles. Total: 124.10.

Total Allotment of each kind of Pavement.

Table with 2 columns: Pavement type and Miles. Includes items like 'With specification granite', 'With square granite', etc.

Table with 2 columns: Pavement type and Miles. Includes items like 'With macadam', 'With brick', etc.

Table with 2 columns: Pavement type and Miles. Includes items like 'With macadam', 'With brick', etc. Total: 399.54

Statement Showing Work under Contract in Bureau of Street Improvements on the 30th day of June, 1898.

Main table with columns: Location of Work, Contractor, Supervisor, Inspector, Contract Time, Days, Estimated Cost, Earned, Retained, Paid, Remarks. Lists various street improvement projects.

DOCUMENT "E."

DEPARTMENT OF HIGHWAYS, BUREAU OF STREET OPENING, PAVING AND REPAVING, NO. 150 NASSAU STREET, NEW YORK, July 3, 1898.

Hon. JAMES P. KEATING, Commissioner of Highways:

Sir—Following is a statement of the business of the Bureau of Street Openings, Paving and Repaving, for the quarter ending June 30, 1898:

Receipts.

Table of receipts: For Constructing Vaults, For Work and Materials, For Restoring and Repaving—Special Fund. Total: \$102,129.54

The foregoing amounts have been deposited with the City Chamberlain.

Expenditures.

Table of expenditures: Repairs and Renewal of Pavements and Re-grading, Repaving Streets and Avenues, Repaving (chapter 326, Laws of 1897), Repaving (chapter 475, Laws of 1895), Repaving (chapter 87, Laws of 1897), Repairs to Eighth Avenue pavement, Street Improvement Fund, Restoring and repaving, special fund, Contingencies, Department of Highways. Total: \$312,003.88

Permit Fund.

Table of permit fund: For vaults, For repairing vaults, For placing guy wires, For placing for kettles and building fires under same, For placing boilers and engines on streets, For repairs to pavements, at expense of applicant. Total: 434

Repairs and Renewal of Pavements and Re-grading.

The force employed on repairs to street pavements averages as follows:

Table showing force employed by month: In April, In May, In June. Columns: Mechanics, Laborers, Horses and Carts, Teams.

The work done by this force consisted of taking up and relaying about 78,875 square yards of pavement, besides the examination into a large number of complaints. No new paving works have been completed during this quarter.

Table of Area and Mileage of Pavement in New York City Below the Harlem River up to June 30, 1898.

Table of area and mileage of pavement: Specification granite, Square granite, Specification trap, Belgian trap, Sheet asphalt, Block asphalt, Karri wood, Macadam. Total: 9,345,311.50 square yards, 399.54 miles. Area and mileage of unpaved streets, estimated: 1,173,333.00 square yards, 40 miles.

Appended is the report of the Engineer in Charge of Subsurface Construction. Respectfully, JACOB C. WUND, Superintendent of Street Opening and Repaving.

DOCUMENT "F."

DEPARTMENT OF HIGHWAYS, OFFICE OF THE ENGINEER OF SUBSURFACE CONSTRUCTION, NO. 150 NASSAU STREET, NEW YORK, July 1, 1898.

JACOB WUND, Esq., Superintendent Street Openings, Paving and Repaving: DEAR SIR—I beg to report the following summary of work done in the office of the Engineer of Subsurface Construction, Bureau of Street Openings, Paving and Repaving, in conjunction with the opening of street pavements by corporations, plumbers and individuals, during the quarter ending June 30, 1898.

Openings made to repair all mains other than Croton water-mains, and make repairs and connections for gas, water, sewer and electric-light.....	5,856
Notices sent from this office to corporations and others to repair pavement over their openings.....	330
Rad places in pavements repaired in compliance with the above notices.....	125
Additional money collected through the report of Inspectors for plumbers' openings made in excess of permit.....	\$1,815 50

Openings Made under Emergency Permit.

Consolidated Gas Company.....	96
Edison Electric Illuminating Company.....	53
Total.....	149

Total feet of fire-alarm subsidiary laid.....	7,066
Total miles of subway and other electrical appliances laid.....	10.95
Total miles of gas-main laid.....	9.18
Total miles of gas-main overhauled.....	13.30
Number of inspections made as to the condition of pavement over street openings.....	12,850

Permits Issued for the Laying of Gas-mains.

DATE PERMIT.	LOCATION.	CORPORATION.
1898.		
Apr. 5	Eighth avenue, east side, One Hundred and Tenth to One Hundred and Eleventh street.....	Consolidated Gas Co.
" 5	One Hundred and Eleventh street, south side, Manhattan to Lenox avenue.....	"
Mar. 16	Claremont avenue, One Hundred and Sixteenth to One Hundred and Twenty-seventh street.....	"
" 29	Hudson street, east and west side, Eighth to Ninth avenue.....	"
Apr. 19	Dyckman street, Kingsbridge road to east side of Speedway.....	"
" 19	One Hundredth street, Lexington to Park avenue.....	"
" 12	Fort Washington avenue, Depot Lane to Kingsbridge road.....	"
" 12	Fort Washington avenue, east side, Eleventh avenue to Depot Lane.....	"
" 19	Edgcombe avenue, west side, from 125 feet north of One Hundred and Forty-fifth street to One Hundred and Fiftieth street.....	"
" 19	Audubon avenue, west side, One Hundred and Seventy-third to One Hundred and Seventy-fifth street.....	"
" 5	Lenox avenue, One Hundred and Eleventh to One Hundred and Forty-fifth street.....	"
" 19	One Hundred and Forty-fourth street, Boulevard to Hudson River Railroad.....	"
Mar. 29	Christopher street, West to Bleecker street.....	N. Y. Mutual Gas Co.
" 19	Fourteenth street, Seventh to Ninth avenue.....	"
" 23	Morton street, Bleecker to West street.....	"
" 23	Bedford street, West Houston to Christopher street.....	"
" 29	Washington street, Morton to Gansevoort street.....	"
" 29	Grove street, West Fourth to Hudson street.....	"
Apr. 5	West street, West Eleventh to West Twelfth street.....	"
" 5	West Twelfth street, west to Greenwich street.....	"
" 5	Gansevoort street, Washington to Hudson street.....	"
Mar. 19	Ninth avenue, east and west side, Gansevoort to Sixteenth street.....	"
Apr. 14	Fourteenth street, Seventh to Ninth avenue.....	"
" 20	Bond street, Bowery to Broadway.....	"
" 20	Great Jones street, Bowery to Broadway.....	"
" 14	Thirteenth street, Second to Third avenue.....	"
" 20	Second street, First avenue to Bowery.....	"
" 23	Lafayette place, Great Jones to Fourth street.....	"
" 23	Thirteenth street, Broadway to Sixth avenue.....	"
" 23	Seventeenth street, Avenue A to Avenue B.....	"
" 20	Henry street, Rutgers to Oliver street.....	"
" 23	Hamilton street, Catharine to Market street.....	"
" 23	Centre street, Grand to Chambers street.....	"
" 27	Cherry street, Jackson to East street.....	"
" 27	Corlears street, Cherry to Monroe street.....	"
" 14	Eighth street, Avenue C to Avenue D.....	"

Permits Issued for Building Subways.

Date Permit.	Location.
1898.	
Mar. 22	Eighth avenue, west side Horatio to Thirteenth street.
" 22	Thirteenth street, Fifth to Madison avenue.
" 22	Central Park, West, Seventy-fifth to Seventy-sixth street.
" 22	Sixtieth street, Madison to Park avenue.
" 22	Ninth avenue, west side, Twenty-first to Twenty-second street.
Apr. 6	Eighth avenue, east side, One Hundred and Twenty-fifth to One Hundred and Thirty-eighth street.
Mar. 22	Manhattan avenue, east side, One Hundred and Ninth to One Hundred and Fourteenth street.
" 22	Wooster street, Houston to West Third street.
" 22	Central Park, West, Eighty-sixth to Eighty-seventh street.
" 22	Tenth avenue, east side, Forty-third to Forty-fourth street.
" 22	Broome street, West Broadway to Sullivan street.
Apr. 11	Washington street, Barrow to Christopher street.
Mar. 22	Boulevard, west side, Ninety-first to Ninety-third street.
" 22	Eighty-first street, Columbus to Eighth avenue.
" 31	Sixth avenue, west side, Thirty-first to Thirty-fourth street.
Apr. 12	East Broadway, Catharine to Market street.
" 12	One Hundred and Thirty-seventh street, Eighth to St. Nicholas avenue.
Mar. 22	Boulevard, west side, crossing Eighty-first street.
Apr. 12	Boulevard, west side, Ninety-third to Ninety-fourth street.
" 12	Seventh avenue, west side, Twenty-second to Twenty-third street.
Mar. 22	Eighty-first street, Boulevard to Riverside Drive.
Apr. 15	Hudson street, Canal to Horatio street.
Mar. 22	Hester street, north side, crossing Norfolk street.
" 22	Ninety-third street, Boulevard to Amsterdam avenue.
" 22	Eighty-seventh street, Eighth to Columbus avenue.
Apr. 12	Sixth avenue, Fortieth to Fifty-third street.
" 12	Twenty-sixth street, First avenue to East river.
Mar. 22	Ninety-third street, north side, crossing Columbus avenue.
Apr. 20	Broadway, east side, Thirty-first to Thirty-fourth street.
Mar. 22	One Hundred and Fifth street, Riverside Drive to Amsterdam avenue.
Apr. 2	East Broadway, crossing Gouverneur street.
" 2	Gouverneur street, East Broadway to Grand street.
Mar. 22	Kivington street, Bowery to Forsyth street.
Apr. 20	Sixth avenue, Thirty-fourth to Thirty-fifth street.
Mar. 22	One Hundred and Thirteenth street, Manhattan to Seventh avenue.
Apr. 20	Eighth avenue, east side, Twenty-ninth to Thirty-fourth street.
Mar. 22	Seventh avenue, west side, One Hundred and Eleventh to One Hundred and Thirty-seventh street.
" 25	One Hundred and Fourth street, from Boulevard to West End avenue.
Apr. 12	William street, Beaver to Wall street.
Mar. 22	West End avenue, One Hundred and Fifth to One Hundred and Seventh street.
May 2	One Hundred and Third street, West End avenue to Boulevard.
Apr. 12	Second avenue, Seventy-ninth to Eighty-fifth street.
Mar. 22	One Hundred and Seventh street, West End avenue to Riverside Drive.
Apr. 15	Perry street, Hudson to Greenwich street.
Mar. 25	Boulevard, One Hundred and Third to One Hundred and Fifth street.
Apr. 12	Wall street, New to Broad street.
" 15	Grand Circle, west side, Fifty-eighth to Fifty-ninth street.
" 11	Franklin street, from Broadway to No. 55 Franklin street.
Mar. 22	Boulevard, One Hundred and Fifth to One Hundred and Tenth street.

Date Permit.	Location.
1898.	
May 6	Lexington avenue, east side Twenty-seventh to Twenty-eighth street.
" 6	Twenty-seventh street, across Lexington avenue.
Apr. 11	Eighty-fifth street, First to Second avenue.
" 11	One Hundred and Twenty-third street, First to Third avenue.
" 12	First avenue, east side, Eighty-fifth to Eighty-ninth street.
" 11	First avenue, east side One Hundred and Twenty-first to One Hundred and Twenty-third streets.
" 29	Cochard street, Heater to Grand street.
May 25	Eighth avenue, east side, Jane to Horatio street.
Apr. 11	Cherry street, Jackson to Corlears street.
Mar. 22	Seventh avenue, One Hundred and Fourteenth to One Hundred and Fifteenth street.
" 22	One Hundred and Fourteenth street, across Seventh avenue.
Apr. 12	Third avenue, west side, One Hundred and Thirty-eighth to One Hundred and Sixty-fourth street.
" 11	Dover street, Front street to 30 feet west of Water street.
" 11	Front street, Dover to Roosevelt street.
" 11	One Hundred and Ninth street, Columbus to Manhattan avenue.
" 11	First avenue, east side, One Hundred and Fourth to One Hundred and Eighth street.
" 11	West End avenue, Ninety-first to One Hundredth street.
" 27	Jersey street, Mulberry to Crosby street.
May 18	Charlton street, Greenwich to Hudson streets.
Apr. 10	Hudson street, west side, Worth to Franklin street.
" 11	One Hundred and Eleventh street, Manhattan to Seventh avenue.
" 12	Avenue A, Seventy-ninth to Eighty-fourth streets.
June 2	Seventh avenue, east side, Twenty-fifth to Twenty-sixth street.
" 2	Vestry street, Greenwich to West street.
" 2	West End avenue, One Hundred and First to One Hundred and Third street.
" 2	Duane street, Church street to Broadway.
" 8	Madison avenue, Eighty-second to Eighty-third street.
Apr. 15	Division street, Catharine to Market streets.
June 2	Division street, Orchard to Allen street.
" 2	Orchard street, across Division street.
" 2	Division street, Canal to Orchard street.
Apr. 11	Division street, Market to Orchard street.
May 2	Ninety-third street, Boulevard to Riverside Drive.
June 8	Eighty-second street, Park to Madison avenue.
Apr. 12	First avenue, Forty-fourth to Fiftieth street.
May 2	Manhattan avenue, One Hundred and Fourteenth to One Hundred and Fifteenth street.
" 2	One Hundred and Fourteenth street, crossing Manhattan avenue.
June 2	East Broadway, Rutgers to Jefferson street.
May 2	One Hundred and Fifteenth street, Manhattan to Morningside avenue.
" 6	Ninety-first street, Eighth to Columbus avenue.
April 11	Washington street, Morris to Cedar street.
June 2	Canal street, Rutgers to Division street.
April 12	Tenth avenue, west side, Fifty-first to Fifty-eighth street.
" 12	Madison avenue, Fifty-ninth to Sixty-fifth street.
June 30	Houston street, Hudson to Bedford street.

Permits Issued to the Metropolitan Street Railway Company.

Date Permit.	Location.
1898.	
April 12	One Hundred and Twenty-fifth street, Amsterdam avenue to Boulevard, and Boulevard, One Hundred and Twenty-fifth to One Hundred and Thirtieth street; also One Hundred and Thirtieth street, Boulevard to North river.
" 11	Thirty-fourth street, Second avenue to east river.
" 11	Fifty-ninth street, First to Tenth avenue (duplicate).
" 11	Eighty-sixth street, Madison to Second avenue.
" 11	Ninety-sixth street, First to Second avenue.
" 11	Sixth avenue, Third to Fifty-ninth street.
" 11	Church street, thence on Trinity place and Greenwich street, between Morris street and Battery place; also West Broadway, between Canal and West Fourth streets; also West Third and West Fourth streets, between West Broadway and Sixth avenue.
" 11	McComb's Dam road, between Harlem river and One Hundred and Forty-ninth street; also Eighth avenue, between Harlem river and Hudson street; also Hudson street, between Eighth avenue and Canal street; also Canal street, between Hudson street and Broadway; also West Broadway, between Canal and Vesey street, and Vesey street, between West Broadway and Church street.
" 11	Amsterdam avenue, between Seventy-first and One Hundred and Twenty-fifth streets; also Boulevard, between Sixty-fifth and Seventy-first streets.
" 11	Second avenue, between Harlem river and Suyvesant street; also Suyvesant street, between Second avenue and Astor place; thence through Astor place to east side of Broadway (duplicate).
" 11	Centre street, between Park Row and Broome street; also Broome and Grand streets, between Centre street and Bowery; also Bowery, between Grand street and Fourth avenue; also Fourth avenue, between Bowery and Forty-second street; thence through Forty-second street, from Fourth to Madison avenue; also Vanderbilt avenue, between Forty-second and Forty-fourth streets; thence through Forty-fourth street, from Vanderbilt to Madison avenue, and Madison avenue, from Forty-fourth street to Harlem river (duplicate).
May 20	West Broadway and Greenwich street, between Chambers and Fulton streets.
" 25	Eleventh avenue, between Twenty-third and Twenty-fourth streets.
June 13	Second avenue, southeast corner Fifty-ninth street.
" 13	Fulton street, east of Cliff street and west of Pearl street.
" 15	Columbus avenue, Fifty-ninth to Sixty-fifth street.
" 21	Eighth avenue, between Forty-ninth and Fifty-ninth streets.
" 29	Twenty-third street, between Fourth and Sixth avenues.
" 29	Twenty-third street, at intersection Lexington avenue.

Permit Issued to Messrs. Skiddy & Ryan for Laying Temporary Railroad Track.

1898.	Mar. 31. Delancey street, crossing Tompkins street.
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Permit Issued to Tubular Dispatch Company for the Purpose of Draining Manholes.

1898.	Apr. 7. Fourth avenue, from 30 feet south from the south curb of Twenty-fourth street to 30 feet north of the north curb of Twenty-fourth street.
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Permit Issued to Brooklyn Heights Railroad Company for Laying Connecting Curve Tracks.

1898.	May 5. Flatbush avenue, intersection Fulton street.
" 5	Ralph avenue, intersection Douglas street.
" 17	Third street, Jackson avenue to West avenue.

Permit Issued to War Department for the Laying of Four-inch Pipe.

1898.	May 24. Moore street, across from United States Army building to building on opposite side of the street.
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Permit Issued to Nassau Electric Railway Company.

1898.	May 27. South Eighth street, between Kent and Wylie avenues.
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Permit Issued to Coney Island and Brooklyn Railroad Company to Construct Two Curve Tracks.

1898.	June 15. West Fifth street, about 150 feet north of Surf avenue.
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Permit Issued to Nassau Electric Railway Company.

1898.	June 22. Surf avenue, between Stillwell and West Twelfth street.
June 24.	Bay Eighteenth street, intersection Bath avenue.

Permit Issued to Michael Harrison for Laying Water-service at East Rockaway.

1898.	June 24. Mott avenue, intersection Bay street, east 500 feet on Bay street.
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Work done in Conjunction with the Construction of Underground Electrical Conduit by the Metropolitan Street Railway Company.

Total lineal feet of double track laid.....	766
Total square yards of stone pavement taken up.....	74,369
Total square yards of asphalt pavement taken up.....	2,687
Total square yards of stone pavement relaid.....	73,280
Total square yards of asphalt pavement relaid.....	2,687

Total Report Work done Locally Metropolitan Street Railway Company.

North side Nursery street from Second avenue to 21 feet east of First avenue..... 750
North side Nursery street from Second avenue to 117 feet east of First avenue..... 880

Respectfully submitted, WISNER B. MARTIN, Engineer.

DOCUMENT "G."

DEPARTMENT OF HIGHWAYS—BUREAU OF STREETS AND ROADS, No. 150 NASSAU STREET, NEW YORK, July 5, 1898.

Hon. JAMES P. KEATING, Commissioner of Highways.

DEAR SIR—I respectfully submit the following statement of the financial condition of this Bureau, accompanied with an account of the work done and the materials used during the quarter ending June 30, 1898. This report is a summary of what has been accomplished in maintaining the macadam and gravel roadways, unpaved streets and country roads in charge of the Bureau.

The general operations of the Bureau consist of the repairing and cleaning of about 40 miles of roadway and gutters on the city streets.

As may be seen by an examination of the following report, a great amount of work has been accomplished, but there is in addition to this much work done involving a considerable expenditure of money which cannot well be tabulated; this refers to the sprinkling and scraping of the macadam roadways and to the filling in and repaving of washouts on the unpaved streets, for which purpose large quantities of stone and sand have been used, most of the material has been obtained free of cost to the City. The boulevard parkway plans have been added, flowering shrubs have been planted in all the plans, and thus along with the flower beds add greatly to the attractiveness of the Boulevard.

Very respectfully, JOHN SIMPSON, Superintendent of Streets, etc.

The following is a Statement of Work Performed and Materials used on Boulevards, Roads and Streets, Maintenance of, and Road, Street and Avenue Unpaved, Maintenance of and Sprinkling, during the Quarter ending June 30, 1898.

Table listing various roadwork items and their costs, such as Macadam roadway repaved and resurfaced, Gravel roadway repaved and resurfaced, Roadway cleaned, Gutter cleaned, Earth roadway surfaced, Roadway repaved and graded, etc.

Estimated miles of roadway were kept properly sprinkled and all crosswalks well swept.

The following are Summary of the Work Performed in the Bureau Store:

Table listing maintenance items for the Bureau Store, such as Bars sharpened, Blisks sharpened, Chains sharpened, Runners made, Tires made, etc.

The following is a Statement of the various Appropriations under charge of the Bureau of Streets and Roads.

Boulevards, Roads and Avenues, Maintenance of, 1898..... \$132,250 00
Amount transmitted during the year 1897..... 152,142 34

Balance May 19, 1898..... 5107 00

Amount appropriated for the year 1898..... \$132,250 00
Amount transmitted during the first quarter ending March 31, 1898..... 29,445 01

Balance April 1, 1898..... \$102,805 00

Amount transmitted during the second quarter ending June 30, 1898, is as follows:

Table showing pay-roll laborers for each week from April 2 to July 25, 1898, with corresponding amounts.

Table listing various expenses such as Lease of ground, Paints, Rubber hose, Horse and wagon, Lawn mowers, Repairs to tractors, Ground lease, Trap-rock stone and screenings, Gravel and gravel screenings, Leather and couplings, Repairs to machines, Expense account, Repairs to tools.

Balance July 1, 1898..... \$88,443 31

Roads, Streets and Avenues, Unpaved, Maintenance of and Sprinkling..... \$15,000 00
Amount transmitted during the first quarter ending March 31, 1898..... 1,957 25

Balance April 1, 1898..... \$13,042 75

Amount transmitted during the second quarter ending June 30, 1898, is as follows:

Table showing pay-roll laborers for each week from April 2 to July 25, 1898, with corresponding amounts.

Balance July 1, 1898..... \$20,829 81

Boulevards, Roads and Avenues, Maintenance of—Salaries, 1898..... 5,250 00
Amount transmitted during the first quarter ending March 31, 1898..... 802 41

Balance April 1, 1898..... \$4,447 59

Amount transmitted during the second quarter ending June 30, 1898..... 1,312 47

Balance July 1, 1898..... \$3,135 12

The following amount has been transmitted during the quarter ending June 30, 1898, and charged to Street Improvement Fund—Surveyors' fees..... 45 76
The following amount has been received during the quarter ending June 30, 1898, for use of Rous Roller, and deposited to the credit of the General Fund..... 81 50

DOCUMENT "H."

DEPARTMENT OF HIGHWAYS—BUREAU OF INCUMBRANCES, No. 150 NASSAU STREET, NEW YORK, July 7, 1898.

Hon. JAMES P. KEATING, Commissioner of Highways.

DEAR SIR—I herewith submit the following report of the operations of this Bureau for the quarter ending June 30, 1898 (months April, May and June), as follows:

- 1,004 complaints of obstructions received and attended to.
244 seizures and removals of obstructions made.
1,416 building material permits issued.
344 permits issued to cross sidewalk.
1 permit issued to cut down trees.
1 notice served to repair defective vault covers.
96 permits issued to erect temporary sheds over sidewalks.
Expense of seizing and removing 244 articles, including 845 loads of dirt, stone and rubbish, and throwing in dirt and rubbish on premises at various places, and removing 245 dead and dangerous trees, stumps, posts, etc..... \$3,904 35
Total expense for the quarter..... 7,048 08

Received from owners for the redemption of seized articles..... \$220 50
Received for permits issued for sheds over sidewalks..... 480 00
Received from auction sale of surrendered goods, April 25, 1898..... 114 93

All of which was duly paid over to the City Chamberlain.

Salary account appropriations..... \$13,450 00
Expended up to July 1..... 5,928 75

Balance..... \$7,521 25

Appropriation for removing obstructions and incumbrances from streets and avenues expended up to July 1..... \$15,000 00
6,764 55

Balance..... \$8,235 45

Respectfully, F. J. SULLIVAN, Superintendent of Incumbrances.

DOCUMENT "I."

Borough of Manhattan—Contract Entered into during Quarter Ending June 30, 1898.

Table with columns: NATURE AND EXTENT OF THE WORK, CONTRACTOR, ESTIMATED COST. Entry: Furnishing 2000 cubic yards of sand, Contractor: Emory B. Lambert, Estimated Cost: \$5,497 10.

Borough of Manhattan—Contracts Completed during the Quarter Ending June 30, 1898.

Table with columns: NATURE AND LOCATION OF WORK, AMOUNT. Lists paving contracts and miscellaneous contracts with their respective amounts.

RECAPITULATION.

3 paving contracts..... \$44,265 03
1 miscellaneous contract..... 11,998 90
4 contracts..... \$56,264 03

DOCUMENT "J."

CITY OF NEW YORK—DEPARTMENT OF HIGHWAYS, BOROUGH OF THE BRONX, ONE HUNDRED AND SEVENTY-SEVENTH STREET AND THIRD AVENUE, OFFICE OF DEPUTY COMMISSIONER, July 18, 1898.

Hon. JAMES P. KEATING, Commissioner of Highways.

DEAR SIR—In accordance with your instructions I have the honor to transmit the following report of the transactions of the Department of Highways, Borough of The Bronx, for the quarter ending June 30, 1898.

Miles of Streets Paved during the Quarter.

Table listing paving materials used: With specification granite (.63 miles), With square granite (None), With specification trap (.10 miles), With Belgian trap (None), With sheet asphalt (.13 miles), With block asphalt (None).

With wood.....	None.
With macadam } By contract.....	2.67
} By maintenance.....	.17
With cobble.....	None.
With gravel.....	None.
With brick.....	.14
Total.....	4.84

Total Mileage of each kind of Pavement in Borough of The Bronx.

With specification granite.....	Miles. 31.16
With square granite.....	None.
With specification trap.....	8.48
With Belgian trap.....	None.
With sheet asphalt.....	6.50
With block asphalt.....	None.
With wood.....	None.
With macadam—By contract.....	2.84
With macadam—By maintenance.....	92.82
With brick.....	.93
With cobble.....	None.
With gravel.....	None.
Total.....	142.73

Summary of Work Done in Engineering Department for Quarter Ending June 30, 1898.

110,982.6 cubic yards earth excavation.
61,495.7 cubic yards rock.
267,868.8 cubic yards filling.
46,796.6 lineal feet new curb.
425.5 lineal feet old curb.
105,196 square feet new flagging.
2,197.8 square feet old flagging.
1,827.4 cubic yards dry rubble masonry.
100 cubic yards rubble masonry in mortar.
12,101.7 square feet new bridge-stone.
22,274.4 square yards asphalt pavement.
63,000 square yards macadam pavement.
5,000 square yards brick pavement.
4,265 lineal feet vitrified pipe.
1,992.5 lineal feet fencing.
1,821 square yards trap-rock pavement.
6,741.4 square yards paved gutters.
663 lineal feet brick drain.
2 plans completed.
2 tracings made.
19 records entered.
18 assessment lists made.

Bridges, etc.

1,150 cubic yards earth excavation.
2,150 cubic yards rock.
268 cubic yards masonry.
6,300 cubic yards filling.
595 cubic yards concrete.
20 cubic yards first-class masonry (includes first-class and bridge seat masonry inclusive).
4,839 cubic yards second-class masonry (second-class and new abutment masonry).
5 cubic yards brick masonry.
34,600 pounds of iron and steel in place.
3,400 feet B. M. timber.

Summary of Work Done by Maintenance Department for Quarter Ending June 30, 1898.

Macadamized Streets—	
New macadam pavement laid.....	Square Yards. 4,469
Repairs to old macadam pavement.....	52,773
Macadam pavement scraped and cleaned.....	356,476
Telford foundation laid.....	1,133
Paved streets—	
Trap-block pavement repaired.....	2,062
Granite block pavement repaired.....	5,065
Granite block pavement on concrete foundation repaired.....	201
Cobble-stone paved gutters repaired.....	348

Includes 250 square yards repairs to paved gutters on unpaved streets.

Unpaved Streets—

Earth roadway, surfaced and scraped.....	971,353
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The following named kinds and quantities of materials have been handled and properly disposed of as necessitated by the requirements of the work hereinbefore noted :

Earth.....	Cubic Yards. 14,957
Native stone.....	11,216
Broken trap rock 1½ inch size.....	320
Broken limestone, 1½ inch size.....	435
Trap rock screenings.....	150
Limestone screenings.....	186
Sand.....	1,431
Ashes.....	1,097

Includes 250 cubic yards of Telford stone purchased.
Includes 200 cubic yards of sand purchased.
Includes 542.7 cubic yards of ashes purchased.

Summary of Expenditures for Three Months, ending June 30, 1898, being Amount of Requisitions Drawn on Comptroller on Account of Appropriations and Funds.

Salaries, Office of Deputy Commissioner, Contingencies, Labor Maintenance and Supplies, Preliminary Surveys, etc., Rock Soundings, Standard Bench Marks.....	\$104,029 36
On account Restoring and Repaving Special Fund, 1898.....	851 89
On account Street Improvement Fund (assessments on property benefited).....	193,659 38
On account Repaving Roads, Streets and Avenues (Bronx).....	52,910 09
On account Paving Jerome Avenue, chapter 31, Laws of 1897.....	37,277 08
On account Construction Rose Hill place, chapter 624, Laws of 1896.....	1,141 11
Total.....	\$389,868 71

I beg leave to call your attention to the fact that there are still remaining to be ordered ahead 8 contracts which are executed; also four contracts let, but not executed, while many contracts on which some work has been done by the contractors are now practically abandoned owing to the question of the debt limit. This state of affairs has occasioned many complaints and is dangerous from the fact that accidents may occur which may bring liabilities on the city. I recommend that some steps be taken by which these contracts can be proceeded with or that some provision be made so that the streets now rendered unsafe or impassable can be restored to public use.

Owing to the many complaints which are now made about the condition of One Hundred and Thirty-eighth street, now under contract for regulating and grading, and for which no provision in contract has been made for repaving, I recommend that some action be taken by which a special appropriation may be secured for repaving One Hundred and Thirty-eighth street, from Third avenue to Madison Avenue Bridge, and for the same reasons I recommend that a similar provision be made for the repaving of East One Hundred and Thirty-fifth street, from Third avenue to Mott Haven canal.

I wish also to call your attention to the present inadequate and unsafe bridges over the Mott Haven canal at One Hundred and Thirty-eighth street and One Hundred and Thirty-fifth street. These bridges appear to be under the jurisdiction of the Bridge Department. I recommend that the Bridge Department be urged to build bridges at these points, so that the full widths of the streets in question may be made available for the use of the public and for the benefit of the owners of property fronting on these streets who have been assessed for the widening thereof.

I transmit herewith detailed reports of the Chief Engineer, Borough of The Bronx, the General Superintendent of Maintenance and the Bookkeeper.

Respectfully,
JAS. H. MALONEY, Deputy Commissioner of Highways, Borough of The Bronx.

DOCUMENT 'K'

CITY OF NEW YORK—DEPARTMENT OF HIGHWAYS, BOROUGH OF THE BRONX,
ONE HUNDRED AND SEVENTH STREET AND THIRD AVENUE,
OFFICE OF CHIEF ENGINEER.

Hon. JAMES H. MALONEY, Deputy Commissioner of Highways :

DEAR SIR—In accordance with the usual custom I beg to transmit herewith a report in detail of work done in this Bureau during the quarter ending June 30, 1898.

I.—STATEMENT OF WORK DONE ON EACH CONTRACT.

Norwood avenue, Woodlawn road to Two Hundred and Seventh street, regulating, etc.— 6,500 cubic yards earth excavation. 2,630 cubic yards rock. 9,800 cubic yards filling. 130 cubic yards dry rubble masonry. 4,500 lineal feet new curb. 5,000 square feet saw flag. In progress.
Webster avenue, Mosholu parkway to City line, regulating, etc.— 500 cubic yards earth excavation. 1,100 cubic yards filling. 100 cubic yards masonry in mortar. Contractor stopped work.
Napier avenue, Two Hundred and Thirty-third street to Mount Vernon avenue, etc., regulating, etc.— 27,000 cubic yards earth excavation. 27,000 cubic yards rock excavation above subgrade. 200 cubic yards rock excavation below subgrade. 27,400 cubic yards filling. 645 lineal feet brick drain (4-inch and 6-inch). 17 lineal feet brick drain (2-inch and 6-inch). 300 cubic yards dry rubble masonry. Also about 300 feet of drain trench has been opened. In progress.
Fulton avenue, Spring place to Twenty-fifth Ward Line, regulating, etc.— 605.7 cubic yards earth excavation. 88.7 cubic yards rock excavation. 2,314 cubic yards filling. 2,477.3 lineal feet new curb. 45.5 lineal feet old curb. 40,774.2 square feet new flagging. 477.8 square feet old flagging. 806.9 cubic yards new bridge-stone. 33.5 cubic yards dry rubble masonry. 153 lineal feet fencing. Completed.
Trinity avenue, Westchester avenue to One Hundred and Sixty-first street, regulating, etc.— 4,570 cubic yards earth excavation. 1,350 cubic yards rock excavation. 3,620 cubic yards filling. In progress.
Prospect avenue, Westchester avenue to Grand Park, South, regulating, etc.— 2,680 cubic yards earth excavation. 190 cubic yards rock excavation. 2,460 cubic yards filling. 2,205 lineal feet new curb. 5,911 square feet new flagging. In progress.
St. Joseph's street, Robbins avenue to Whitehall avenue, regulating, etc.— 230 cubic yards earth excavation. 10,700 cubic yards filling. 1,490 lineal feet new curb. 5,540 square feet new flagging. 1,012 square feet new bridge-stone. 240 cubic yards dry rubble masonry. In progress.
Rogers place, Dawson street to One Hundred and Sixty-fifth street, regulating, etc.— 100 cubic yards earth excavation. 290 cubic yards rock excavation. 880 cubic yards filling. In progress.
One Hundred and Sixty-seventh street, Third avenue to Franklin avenue, regulating and paving— 490 cubic yards earth excavation. In progress.
Southern Boulevard, One Hundred and Thirty-eighth street to Hour's Point road, regulating, etc.— 75 cubic yards earth excavation. 8,000 cubic yards filling. 475 cubic yards dry rubble masonry. In progress.
Robbins avenue, Southern Boulevard to St. Mary's Park, regulating, etc.— 1,550 cubic yards earth excavation. 500 cubic yards rock excavation. 2,000 cubic yards filling. In progress.
One Hundred and Sixty-eighth street, Franklin avenue to Boston road, paving— No work done; in progress.
One Hundred and Thirty-fourth street, Third to Alexander avenue, etc., asphalt— 3,624.8 lineal feet new curb. 10,731.5 square yards asphalt. 3,101.2 lineal feet. Completed.
One Hundred and Thirty-sixth street, Brook avenue to Southern Boulevard, regulating, etc.— 1,450 lineal feet new curb. 6,900 square feet new flagging. 300 square feet new bridge-stone. In progress.
One Hundred and Thirty-seventh street, Brook avenue to Southern Boulevard, regulating, etc.— 1,565 cubic yards of earth excavation. 46 cubic yards of rock. 1,160 lineal feet of new curb. 1,510 square feet new flagging. 180 lineal feet of fencing. In progress.
One Hundred and Thirty-eighth street, Third avenue to Harlem river, regulating, etc.— 1,200 cubic yards earth excavation. 470 cubic yards rock. 3,660 cubic yards filling. 950 lineal feet new curb. 150 lineal feet old curb. 5,150 square feet new flagging. 800 square feet old flagging. In progress.
One Hundred and Thirty-ninth street, St. Ann's avenue, easterly, regulating, etc.— 83.2 cubic yards earth excavation. 8.9 cubic yards rock excavation. 179.5 cubic yards filling. 18.6 lineal feet new curb. 30 lineal feet old curb. 1.6 square feet new flagging. 110 square feet old flagging. 12 square feet old bridge-stone. 2 square yards granite-block pavement. Completed.
One Hundred and Fortieth street, St. Ann's avenue, easterly (private property), regulating, etc.— 51.7 cubic yards earth excavation. 34.1 cubic yards rock excavation. 49.8 cubic yards filling. 18.8 lineal feet new curb. 30 lineal feet old curb. 14 square feet new flagging.

One Hundred and Fortieth street, St. Ann's avenue, easterly (private permit), regulating, etc.—
 110 square feet old flagging.
 12 square feet old bridge-stone.
 2 square yards granite-block pavement.
 Completed.

One Hundred and Forty-first street, St. Ann's avenue, easterly, regulating, etc.—
 22.2 lineal feet new curb.
 78.4 square feet new flagging.
 Completed.

One Hundred and Forty-eighth street, Third avenue to St. Ann's avenue, asphalt—
 1,537.4 lineal feet new curb.
 5,031.11 square yards asphalt pavement.
 1,460.4 lineal feet completed.

Spencer place, One Hundred and Forty-fourth street to One Hundred and Fiftieth street, regulating, etc.—
 380 cubic yards earth excavation.
 300 cubic yards rock excavation.
 275 cubic yards filling.
 750 cubic yards dry rubble masonry.
 In progress.

Clinton avenue, One Hundred and Sixty-ninth street, Crotona Park, South, regulating, etc.—
 5,130 cubic yards filling.
 In progress.

River avenue, One Hundred and Forty-ninth street to Jerome avenue, regulating, etc.—
 11,000 cubic yards filling.
 In progress.

Crotona Park, South, Fulton to Prospect avenue, regulating, etc.—
 No work done; in progress.

One Hundred and Forty-second street, Third avenue to Willis avenue, etc., asphalt—
 1,424.9 lineal feet new curb.
 4,442.3 square yards asphalt pavement.
 Completed.

St. Ann's avenue, One Hundred and Thirty-eight street to Third avenue, asphalt—
 1,460.5 square yards asphalt pavement.
 Completed.

One Hundred and Sixty-ninth street and Third avenue, road box—
 Completed.

One Hundred and Thirty-eight street and Brook avenue, road box—
 Completed.

Jackson avenue, Westchester avenue to Boston road, regulating, etc.—
 105 cubic yards earth excavation.
 300.1 cubic yards rock excavation.
 1,053.2 cubic yards filling.
 184.7 lineal feet new curb.
 674 square feet new flagging.
 24 square feet new bridge-stone.
 Completed.

One Hundred and Seventy-second street, Southern Boulevard to Bronx river, regulating, etc.—
 1,400 cubic yards earth excavation.
 In progress.

One Hundred and Seventy-third street, Southern Boulevard to West Farms road, regulating, etc.—
 No work done; in progress.

Home street, Intervale avenue to Westchester avenue, regulating, etc.—
 3,000 lineal feet new curb.
 9,750 square feet new flagging.
 1,000 square feet new bridge-stone.
 In progress.

Stebbins avenue, Dawson street to Boston road, regulating, etc.—
 15,000 cubic yards filling.
 40 cubic yards dry rubble masonry.
 In progress.

Longwood avenue, Tiffany street to Southern Boulevard, regulating, etc.—
 1,200 cubic yards earth excavation.
 5,050 cubic yards filling.
 605 cubic yards dry rubble masonry.
 In progress.

Fox street, Westchester avenue to Union street, regulating, etc.—
 No work done; in progress.

Tiffany street, Intervale avenue to Fox river, regulating, etc.—
 2,700 cubic yards earth excavation.
 4,100 cubic yards rock excavation.
 16,600 cubic yards filling.
 230 cubic yards dry rubble masonry.
 In progress.

Gerard avenue, Cheever place to One Hundred and Fiftieth street, paving—
 600 square feet new bridge-stone.
 5,000 square yards granite block pavement.
 1,500 lineal feet.
 In progress.

Wilkins place, Southern Boulevard to Boston road, regulating, etc.—
 4,200 cubic yards filling.
 In progress.

Westchester avenue, Southern Boulevard to Bronx river, regulating, etc.—
 1,200 cubic yards earth excavation.
 1,300 cubic yards filling.
 In progress.

Trinity avenue, One Hundred and Sixty-third to One Hundred and Sixty-sixth street, regulating, etc., and asphalt—
 1,500 cubic yards earth excavation.
 700 cubic yards rock.
 In progress.

One Hundred and Sixty-third street, Third to Westchester avenue, regulating, etc.—
 7,500 cubic yards earth excavation.
 5,000 cubic yards rock excavation.
 400 cubic yards filling.
 In progress.

Harrett street, One Hundred and Sixty-fifth street to Intervale avenue, regulating, etc., and asphalt.
 500 cubic yards earth excavation.
 70 cubic yards rock excavation.
 5,000 cubic yards filling.
 In progress.

Longwood avenue, Westchester avenue to Southern Boulevard, regulating, etc.
 4,500 cubic yards earth excavation.
 In progress.

Boston road, Third avenue to One Hundred and Sixty-fifth street, repaving—
 439.3 lineal feet new curb.
 518.4 square feet new bridge-stone; figures are final.
 2,352.4 square yards granite-block pavement.
 509 square yards asphalt pavement.
 537.9 lineal feet practically completed.

Pimpton avenue, Orchard street to Bosobel avenue, regulating, etc.—
 950 lineal feet new curb.
 In progress.

Tremont avenue, Jerome to Aqueduct avenue, regulating, etc.—
 No work done; in progress.

Andrews avenue, One Hundred and Eighty-first street to Fordham road, regulating, etc.—
 443 cubic yards earth excavation.
 64.8 cubic yards rock.
 417 cubic yards filling.
 3,695.3 lineal feet new curb.
 14,213.2 square feet new flagging.
 688 square feet old flagging.
 448 square feet new bridge-stone.
 3,729.3 lineal feet paved gutters.
 Completed.

Kappock street, Spayten Doyvil Parkway to Johnson avenue, regulating—
 No work done; in progress.

Lind avenue, Wolf street to Aqueduct avenue, regulating, etc.—
 600 cubic yards earth excavation.
 340 cubic yards rock.
 4,800 cubic yards filling.

Lind avenue, Wolf street to Aqueduct avenue, regulating, etc.—
 2,600 lineal feet new curb.
 10,000 square feet new flagging.
 In progress.

Marcher avenue, Jerome avenue to Featherbed lane, regulating, etc.—
 2,000 cubic yards earth excavation.
 2,400 cubic yards filling.
 1,700 lineal feet new curb.
 3,350 square feet new flagging.
 90 cubic yards dry rubble masonry.
 980 square feet new bridge-stone.
 1,400 lineal feet paved gutters.
 In progress.

Inwood avenue, Cromwell avenue to Featherbed lane, regulating, etc.—
 100 cubic yards earth excavation.
 400 cubic yards filling.
 In progress.

Ogden avenue, Jerome avenue to One Hundred and Sixty-fourth street, regulating and paving—
 1,235 cubic yards rock excavation.
 1,500.3 cubic yards filling.
 225 lineal feet new curb.
 170 lineal feet old curb.
 1,800 square feet new flagging.
 1,416 square feet new bridge-stone.
 5,565 square yards granite-block pavement.
 1,276 lineal feet.
 Completed.

Loring place, One Hundred and Eighty-first street to Fordham road, regulating, etc.—
 2,200 cubic yards earth excavation.
 3,700 cubic yards rock.
 450 cubic yards filling.
 In progress.

One Hundred and Sixty-ninth street, Jerome avenue to Concourse, regulating, etc.—
 No work done; in progress.

One Hundred and Sixty-ninth street, Jerome to Bosobel avenue, regulating, etc.—
 No work done; in progress.

Jerome avenue, Macomb's Dam Bridge to One Hundred and Sixty-second street, paving—
 5,000 square yards brick pavement.
 750 lineal feet.
 In progress.

Jerome avenue, One Hundred and Sixty-second street to Tremont avenue, macadam—
 14,800 square yards macadam pavement.
 3,300 lineal feet.
 In progress.

Ogden avenue, One Hundred and Sixty-fourth street to Washington Bridge, regulating, etc.—
 200 cubic yards earth excavation.
 1,100 cubic yards rock.
 1,200 cubic yards filling.
 In progress.

Bosobel avenue, Jerome avenue to Washington Bridge, regulating, etc.—
 200 cubic yards earth excavation.
 1,650 cubic yards rock.
 11,000 cubic yards filling.
 In progress.

Valentine avenue, Barnside avenue to One Hundred and Ninety-second street, regulating, etc.—
 3,000 cubic yards filling.
 In progress.

Rose Hill place, regulating, etc.—
 2,000 cubic yards filling.
 In progress.

Crotona avenue, Boston road to Southern Boulevard, regulating, etc.—
 3,300 cubic yards earth excavation.
 13,350 cubic yards rock.
 18,300 cubic yards filling.
 150 lineal feet vitrified pipe.
 In progress.

One Hundred and Eightieth street, Third to Webster avenue, regulating, etc.—
 63.5 cubic yards earth excavation.
 152.2 cubic yards rock.
 164.9 cubic yards filling.
 526.2 lineal feet new curb.
 1,037.6 square feet new flagging.
 18.5 cubic yards dry rubble masonry.
 511.2 square feet new bridge-stone.
 254.8 lineal feet fencing.
 Completed.

Brook avenue, One Hundred and Sixty-fifth street to Wendover avenue, regulating, etc.—
 30 cubic yards earth excavation.
 1,500 cubic yards filling.
 4,800 lineal feet new curb.
 2,250 square feet new flagging.
 In progress.

Marion avenue, One Hundred and Eighty-fourth street to Moshola Parkway, regulating, etc.—
 4,000 cubic yards earth excavation.
 5,500 cubic yards rock.
 1,000 cubic yards filling.
 50 cubic yards dry rubble masonry.
 In progress.

Tremont avenue, New York and Harlem Railroad to Jerome avenue, regulating, etc.—
 100 cubic yards earth excavation.
 8,500 cubic yards filling.
 2,350 cubic yards new curb.
 8,600 square feet new flagging.
 420 cubic yards dry rubble masonry.
 120 square feet new bridge-stone.
 In progress.

Clinton avenue, Crotona Park, North, to East One Hundred and Eighty-second street, regulating, etc.—
 100 cubic yards earth excavation.
 10,000 cubic yards filling.
 25 cubic yards dry rubble masonry.
 In progress.

Arthur avenue, Tremont to Pellam avenue, regulating, etc.—
 2,400 cubic yards earth excavation.
 6,000 cubic yards filling.
 In progress.

Crotona Park, North, Arthur avenue to One Hundred and Seventy-fifth street, regulating, etc.—
 1,000 cubic yards earth excavation.
 3,050 cubic yards rock.
 5,000 cubic yards filling.
 3,600 lineal feet new curb.
 8,000 square feet new flagging.
 In progress.

One Hundred and Eighty-ninth street, Webster avenue to Fordham road, regulating, etc.—
 2,046.5 cubic yards earth excavation.
 385.7 cubic yards rock.
 908.7 cubic yards filling.
 749.0 lineal feet new curb.
 5,328 square feet new flagging.
 31.4 cubic yards dry rubble masonry.
 3,797.6 square yards new bridge-stone.
 214.8 lineal feet new fence.
 1,505.3 lineal feet paved gutters.
 Completed.

Bathgate avenue, Wendover avenue to One Hundred and Eighty-eighth street, regulating, etc.—
 4,000 cubic yards earth excavation.
 3,000 cubic yards rock.
 In progress.

One Hundred and Ninety-eighth street, Webster to Jerome avenue, regulating, etc.—
 58.7 cubic yards earth excavation.
 538.9 cubic yards rock.

One Hundred and Ninety-eighth street, Webster to Jerome avenue, regulating, etc.—
 661.2 cubic yards filling.
 198 lineal feet new curb.
 624 square feet new flagging.
 547.6 square feet new bridge-stone.
 1,189.9 lineal feet new fence.
 106.8 lineal feet paved gutters.
 Completed.

Lafontaine avenue, Tremont avenue to Quarry road, regulating, etc.—
 1,000 cubic yards rock excavation.
 3,000 cubic yards filling.
 800 lineal feet new curb.
 In progress.

Anthony avenue, Clay avenue to Concourse, regulating, etc.—
 2,500 cubic yards earth excavation.
 1,500 cubic yards rock.
 6,000 cubic yards filling.
 In progress.

Gerard avenue, One Hundred and Thirty-eighth street to Cheever place, paving—
 1,821 square yards trap-rock pavement.
 546 lineal feet; completed.

One Hundred and Sixty-seventh street, Sheridan avenue to New York and Harlem Railroad, regulating, etc.—
 6,098 cubic yards earth excavation.
 1,382 cubic yards rock.
 17,532 cubic yards filling.
 29 cubic yards dry rubble masonry.
 In progress.

Morris avenue, New York and Harlem Railroad to Concourse, regulating, etc.—
 7,500 cubic yards earth excavation.
 10,700 cubic yards filling.
 270 cubic yards dry rubble masonry.
 In progress.

One Hundred and Fifty-first street, Mott avenue to Exterior street, regulating, etc.—
 3,408 cubic yards earth excavation.
 1,995 cubic yards rock.
 9,000 cubic yards filling.
 In progress.

One Hundred and Fifty-ninth street, Walton to Sheridan avenue, regulating, etc.—
 200 cubic yards earth excavation.
 2,000 cubic yards rock.
 1,200 cubic yards filling.
 In progress.

One Hundred and Seventieth street, Franklin avenue to Boston road, regulating, etc.—
 500 cubic yards earth excavation.
 1,000 cubic yards rock.
 1,800 cubic yards filling.
 In progress.

Jerome avenue, Tremont to Van Cortlandt avenue, macadam—
 3,180 lineal feet new curb.
 39,800 square yards macadam pavement.
 4,110 lineal feet vitrified pipe.
 8,800 lineal feet; in progress.

Jerome avenue, Van Cortlandt avenue to city line, macadam—
 9,000 square yards macadam pavement.
 2,000 lineal feet; in progress.

Walton avenue, One Hundred and Thirty-eighth to One Hundred and Fiftieth street, regulating, etc.—
 9,000 cubic yards earth excavation.
 In progress.

One Hundred and Fifty-eighth street, River to Walton avenue, regulating, etc.—
 No work done.
 In progress.

II.—STATEMENT OF SURVEYS, PAYMENTS, CONTRACTS, ETC.

30 preliminaries and valuations.
 21 surveys (preliminary).
 78 70-per-cent. payments.
 12 payments on acceptance.
 12 payments retained amount.

Contracts in Progress.
 65 regulating, etc.
 15 regulating and paving.

Contracts Completed.
 6 regulating, etc.
 5 regulating and paving.
 2 road buses.

III.—WORK DONE IN DRAUGHTING ROOM DURING THE QUARTER ENDING JUNE 30, 1898.

Plans Completed.
 2 regulating, etc.
 1 regulating, etc.
 1 regulating, grading and paving.

Tracings Completed.
 7 regulating, grading, etc.
 12 regulating, grading and paving.

Assessment List Completed.
 8 regulating, grading, etc.
 10 regulating, grading and paving.

Preliminaries and Valuations.
 30 regulating, grading and paving.
 In addition to the above a number of records and assessment lists have been begun and are in different stages of advancement.

IV.—BRIDGES, ETC.

During the quarter work has progressed on the abutments to bridge across the tracks of the New York Central Railroad at Walton avenue, Gerard avenue and River avenue, and they are

ready for the superstructure. Excavation for the abutments at Fort Independence street has been begun. The work on Beam Tunnel at Brook avenue, between One Hundred and Fifty-seventh street and Third avenue, has been advanced and all of the steel beams and a part of the concrete is in place. The extension of Pelham Avenue Bridge has been completed.

Herewith please find total quantities of work done on these contracts:

1,150 cubic yards earth excavation.
 2,150 cubic yards rock excavation.
 268 cubic yards masonry excavation.
 6,300 cubic yards filling.
 565 cubic yards concrete.
 20 cubic yards first-class masonry—includes first-class and bridge-seat masonry.
 4,839 cubic yards second-class masonry—includes second-class and new abutment masonry.
 5 cubic yards brick masonry.
 314,600 pounds of iron and steel in place.
 3,400 feet, B. M., timber.

V.—SUMMARIZED STATEMENT OF WORK DONE DURING THE QUARTER ENDING JUNE 30, 1898.

119,982.6 cubic yards earth excavation.
 61,495.7 cubic yards rock.
 267,868.8 cubic yards filling.
 46,796.6 lineal feet new curb.
 425.5 lineal feet old curb.
 105,196 square feet new flagging.
 2,197.8 square feet old flagging.
 3,827.4 cubic yards dry rubble masonry.
 100 cubic yards dry rubble masonry in mortar.
 12,101.7 square feet new bridgestone.
 24 square feet old bridgestone.
 12,921.4 square yards granite-block pavement.
 22,274.4 square yards asphalt pavement.
 63,600 square yards macadam pavement.
 5,000 square yards brick pavement.
 4,260 lineal feet vitrified pipe.
 1,992.5 lineal feet fencing.
 1,821 square yards trap-rock pavement.
 6,741.4 square yards paved gutters.
 662 lineal feet brick drain.
 2 plans completed.
 2 tracings made.
 19 records entered.
 18 assessment lists made.
 For bridges, viaducts, see Statement IV.

VI.—PAVING, 1898.

Work Done under Contract, Quarter ending June 30, 1898.

TITLE OF WORKS.	KINDS.	LAIN.	
		Square Yards.	Lineal Feet.
Jerome avenue, Section 2, One Hundred and Sixty-second street to Tremont avenue	Macadam	14,600	2,300
Jerome avenue, Section 3, Tremont to Van Cortlandt avenue	"	39,500	2,500
Jerome avenue, Section 4, Van Cortlandt avenue to city line	"	9,000	3,000
Ogden avenue, Jerome avenue to One Hundred and Sixty-fourth street	Granite	3,385	1,416
Gerard avenue, Cheever place to One Hundred and Fiftieth street	"	5,000	1,600
T* Boston road, Third avenue to One Hundred and Sixty-fifth street	"	2,350.4	317.9
Gerard avenue, One Hundred and Thirty-eighth street to Cheever place, laid by owners	Trap	1,821	347
T* One Hundred and Thirty-fourth street, Third to Alexander avenue	Asphalt	6,712.5	2,001.2
T* One Hundred and Forty-second street, Third to College avenue, Wilts to Brook avenue	"	8,047.2	1,611.2
G* One Hundred and Forty-eighth street, Third to St. Ann's avenue	"	5,031.2	1,400.4
G* St. Ann's avenue, One Hundred and Thirty-eighth street to Third avenue	"	1,460.8	Stripes
T* Boston road, Third avenue to One Hundred and Sixty-fifth street	"	609	"
Jerome avenue, Section 1, Macomb's Dam Bridge to One Hundred and Sixty-second street	Brick	1,000	0.112 miles
Add to granite pavement	"	13,077.4	5,247 miles
Deduct from granite pavement	"	6,491.6	2,471 miles
Add to trap pavement	"	1,821	0.103 miles
Deduct from trap pavement	"	0.754	0.037 miles
Add to asphalt pavement	"	7,732	2,412.4

* Repaving. G Granite. T Trap.

VII.—MILES OF STREETS PAVED DURING QUARTER JUNE 30, 1898.

With specification granite	627
With specification trap	103
With sheet asphalt	1,132
With macadam (contract work)	2,670
With brick	143
Total Mileage of Each Kind of Pavement, June 30, 1898.	
With specification granite	31.161
With specification trap	8.476
With sheet asphalt	6.502
With macadam (contract work)	3.850
With brick	.932

Above mileage is revised up to date.

OFFICE OF CHIEF ENGINEER OF HIGHWAYS, BOROUGH OF THE BRONX.

VIII.—Financial Statement of Contracts under Construction on which Payments have been Earned during the Quarter ending June 30, 1898.

TITLE OF WORK.	ESTIMATED COST.	TOTAL AMOUNT EARNED.	TOTAL AMOUNT RETAINED.	TOTAL AMOUNT CERTIFIED.	AMOUNT EARNED DURING QUARTER.	AMOUNT CERTIFIED DURING QUARTER.	REMARKS.
Westchester avenue, regulating, etc., Southern Boulevard to the Bronx river	\$35,848 00	\$4,850 00	\$867 00	\$9,093 00	\$4,850 00	\$4,091 00	70 per cent, No. 1
Lind avenue, regulating, etc., Wolf street to Aqueduct avenue	18,402 39	13,823 00	4,746 90	11,076 10	3,788 00	2,751 00	" No. 7
St. Joseph's street, regulating, etc., Robbins avenue to Whitlock avenue	22,094 00	17,368 30	5,370 40	12,297 89	4,803 80	3,366 85	" No. 9
One Hundred and Thirty-seventh street, regulating, etc., Brook avenue to Southern Boulevard	7,592 45	3,093 90	928 17	6,165 73	2,528 90	1,805 93	" No. 2
Napier avenue, regulating, etc., Two Hundred and Thirty-third street (Eastchester avenue) to Mount Vernon avenue	294,075 00	17,079 00	3,121 70	19,935 30	17,079 00	17,075 30	" No. 3
Boroboi avenue, regulating, etc., Jerome avenue to Washington Bridge	47,123 00	22,350 50	6,705 15	15,645 35	7,073 09	5,161 30	" No. 7
Rogers place, regulating, etc., Dawson street to One Hundred and Sixty-fifth street	70,874 40	1,661 00	498 36	1,162 84	1,661 00	1,162 84	" No. 1
Tiffany street, regulating, etc., Intervale avenue to the East river	126,375 00	16,995 00	5,021 80	11,897 20	8,836 00	6,125 20	" No. 5
Bathgate avenue, regulating, etc., Wendover avenue to One Hundred and Eighty-eighth street	47,816 50	3,856 00	1,756 80	4,099 20	5,856 00	4,099 20	" No. 4
Marion avenue, regulating, etc., One Hundred and Eighty-fourth street to Minholn Parkway	44,556 50	10,919 00	3,875 70	7,642 30	7,350 00	5,445 14	" No. 4
Longwood avenue, regulating, etc., Tiffany street to the Southern Boulevard	28,513 50	13,230 00	3,909 00	9,261 00	6,018 50	2,745 73	" No. 6
Ogden avenue, regulating, etc., Jerome avenue to Washington Bridge	30,925 50	4,747 50	824 25	1,923 25	2,747 50	1,923 25	" No. 1
Norwood avenue, regulating, etc., between Woodlawn road and Two Hundred and Seventh street, etc.	43,666 00	15,220 00	4,607 50	18,628 50	5,075 00	4,148 10	" No. 5
Webster avenue, regulating, etc., Minholn Parkway to city line	174,484 00	108,472 45	31,641 74	73,830 71	3,594 00	1,060 80	" No. 10

Title of Work	Estimated Cost	Total Amount Earned	Total Amount Retained	Total Amount Certified	Amount Earned During Quarter	Amount Certified During Quarter	Remarks
Tremont avenue, regulating, etc., New York and Harlem Railroad to Grand Boulevard and Concourse	\$15,611 00	\$15,445 30	\$4,612 50	\$10,833 75	\$3,453 30	\$3,894 84	75 per cent., No. 1.
Morris avenue, regulating, etc., New York and Harlem Railroad to Grand Boulevard and Concourse	13,792 00	10,637 00	3,494 14	7,142 87	2,670 00	4,624 90	" No. 4.
Broadway, regulating, etc., (now called Crotona avenue), from road to Southern Boulevard	28,590 00	37,084 00	9,344 30	27,739 70	12,199 00	7,834 40	" No. 3.
Flushing avenue, regulating, etc., Orchard street to Broadway	37,344 30	33,483 00	4,046 40	29,437 60	1,531 00	1,637 30	" No. 7.
Barretto street, regulating, etc., One Hundred and Sixty-fifth street to Intervale avenue	35,027 50	4,076 30	624 80	3,451 50	2,076 30	1,452 47	" No. 1.
Home street, regulating, etc., Intervale to Westchester avenue	12,385 43	8,604 30	2,641 94	5,962 36	2,041 00	2,318 70	" No. 5.
Arthur avenue, regulating, etc., Tremont to Pellam avenue	18,397 50	1,780 00	334 50	1,445 50	1,780 00	1,340 00	" No. 1.
Morris avenue, regulating, etc., Jerome avenue to Featherbed lane	41,093 44	44,000 30	4,324 55	39,675 75	7,444 50	4,799 75	" No. 1.
Loring place, regulating, etc., East One Hundred and Fifty-fifth street (University avenue) to Fordham road	20,350 00	3,443 00	1,630 50	1,812 50	2,335 00	2,304 30	" No. 2.
Prospect avenue, regulating, etc., Westchester avenue to Crotona Park, South	37,025 00	48,060 00	8,478 30	39,581 70	4,670 00	3,227 00	" No. 5.
Crotona avenue, regulating, etc., Crotona Park, North, to East One Hundred and Eighty-second street	41,544 00	3,053 00	1,090 30	1,962 70	2,034 40	1,474 08	" No. 2.
Fulton avenue, regulating, etc., Spring place to Twenty-third Ward line	12,315 00	11,131 60	3,429 48	8,002 12	3,443 00	2,411 30	" No. 4.
One Hundred and Thirty-sixth street, regulating, etc., Brook avenue to Southern Boulevard	3,294 60	1,714 10	1,113 40	2,602 50	2,073 00	1,457 10	" No. 2.
Southern Boulevard, regulating, etc., East One Hundred and Thirty-eighth street to Port Morris Branch of the New York and Harlem Railroad, etc.	35,430 50	3,400 70	1,000 24	2,400 46	3,400 70	2,180 49	" No. 3.
Jerome avenue, repaving Section 2, One Hundred and Sixty-second street to Tremont avenue	47,423 00	27,031 00	8,379 39	18,651 70	14,999 30	10,499 50	" No. 4.
Jerome avenue, repaving Section 3, etc., Tremont to Van Cortlandt avenue	62,130 00	53,060 00	15,938 00	37,122 00	31,814 80	24,161 96	" No. 6.
One Hundred and Fifty-first street, regulating, etc., Matt avenue to Exterior street	23,740 40	4,317 80	1,293 28	3,024 52	4,317 60	3,002 34	" No. 1.
Crotona avenue, regulating, etc., One Hundred and Sixty-ninth street to Crotona Park, South	10,509 00	4,023 00	1,318 50	2,704 50	1,531 00	1,077 30	" No. 5.
One Hundred and Eighteenth street, regulating, etc., Third to Webster avenue	9,444 25	9,574 17	877 00	8,697 17	3,874 67	5,390 92	Under 6 months repairs.
Crotona Park, North, regulating, etc., Arthur avenue to East One Hundred and seventy-fifth street	24,000 00	11,710 00	3,613 00	8,097 00	5,133 00	3,694 50	75 per cent., No. 1.
Anthony avenue, regulating, etc., Uthman avenue to Grand Boulevard and Concourse	47,114 00	4,056 00	610 80	3,445 20	3,256 00	1,579 20	" No. 1.
One Hundred and Fifty-sixth street, regulating, etc., Walton to Sheridan avenue	8,580 20	2,080 00	604 00	1,476 00	2,080 00	1,456 00	" No. 1.
Seaman place, regulating, etc., East One Hundred and Forty-fourth to East One Hundred and Fifty-fifth street	18,215 25	4,723 20	2,010 00	2,713 20	4,393 33	1,057 35	" No. 3.
Broadway, regulating, etc., Jerome avenue to Washington Bridge	45,123 00	48,230 30	6,793 25	41,437 05	7,373 00	5,162 10	" No. 7.
Gerard avenue, regulating and paving, Cleverly place to One Hundred and Fiftieth street	2,194 80	1,734 50	3,410 75	3,214 75	4,232 50	3,314 75	" No. 6.
Walton place, regulating, etc., Southern Boulevard to Boston road	10,475 00	1,570 00	450 00	1,120 00	1,570 00	1,054 00	" No. 1.
Trinity avenue, regulating, etc., Westchester avenue to East One Hundred and Sixty-fifth street	29,574 25	3,970 30	1,773 85	2,196 45	4,410 30	3,087 07	" No. 2.
One Hundred and Thirty-eighth street, regulating, etc., 100 ft west of Alexander avenue to Hudson river	8,824 43	3,397 50	998 43	2,399 07	3,027 50	2,329 45	" No. 1.
Brook avenue, regulating, etc., One Hundred and Sixty-fifth street to Woodlawn avenue	27,028 00	10,100 00	3,032 70	7,067 30	3,571 00	2,674 70	" No. 4.
One Hundred and Sixty-third street, regulating, etc., Third to Westchester avenue	27,211 00	3,563 00	1,070 40	2,492 60	3,170 00	2,402 60	" No. 1.
Boston road, repaving, Uthman avenue to One Hundred and Sixty-fifth street	9,315 60	8,332 20	3,499 66	4,832 54	8,332 20	5,830 54	" No. 1.
One Hundred and Sixty-seventh street, regulating, etc., Sheridan avenue to New York and Harlem Railroad	48,735 40	2,802 60	2,307 78	5,110 38	3,604 00	4,510 80	" No. 2.
River avenue, regulating, etc., East One Hundred and Forty-fourth street to Jerome avenue	65,053 00	30,340 30	11,864 75	18,475 55	2,557 80	1,846 46	" No. 10.
Walton avenue, regulating, etc., One Hundred and Thirty-eighth to One Hundred and Fiftieth street	25,078 40	1,800 00	340 00	1,460 00	1,800 00	1,260 00	" No. 6.
Brook avenue, bridge structure, Port Morris Branch Railroad at One Hundred and Fifty-seventh street and Third avenue	10,078 35	31,100 00	9,920 00	21,180 00	14,074 60	9,854 00	" No. 6.
One Hundred and Eighty-second street, regulating, etc., Welch street, Webster avenue to Hudson river	16,935 00	15,534 87	431 85	15,103 02	4,516 87	7,376 00	Under 6 months repairs.
One Hundred and Thirty-fourth street, repaving, Third to Alexander avenue, etc.	45,050 30	11,103 00	2,018 50	9,084 50	11,005 20	7,007 70	"
Andrews avenue, regulating, etc., One Hundred and Eighty-first street (University avenue) to Duane street	44,045 00	14,000 10	460 25	13,539 85	3,740 15	5,037 04	"
One Hundred and Forty-second street, repaving, College to Third avenue, etc.	14,005 30	14,431 48	4,070 84	10,360 64	14,435 47	9,054 84	"
One Hundred and Ninety-eighth street, regulating, etc., (Travers street, Webster to Jerome avenue)	18,304 20	16,065 74	169 23	15,896 51	3,340 70	3,774 24	"
Jackson avenue, regulating, etc., Westchester avenue to Boston road	26,000 00	26,000 00	1,143 00	24,857 00	3,284 33	3,443 80	"
Walton avenue, paving, Kingsbridge road to Southern Boulevard	11,000 00	33,830 41	10,000 00	23,830 41			Under 5 years repairs.
Uthman avenue, regulating and paving, Jerome avenue to One Hundred and Sixty-fourth street	41,813 00	15,303 00	630 00	14,673 00	10,630 43	12,000 72	Under 6 months repairs.
One Hundred and Forty-eighth street, repaving, Third to St. Ann's avenue	25,081 00	16,158 30	4,841 67	11,316 63	16,138 83	11,097 22	Under 10 years repairs.
Westchester avenue, repaving, Third to Prospect avenue	18,544 00	14,720 00	3,180 31	11,539 69			Under 5 years repairs.
One Hundred and Thirty-eighth street, repaving, Third to Willis avenue	3,630 00	4,215 28	628 30	3,586 98			"
Pellam avenue, bridge structure over New York and Harlem Railroad	74,321 00	12,121 86	600 00	11,521 86	2,741 36	4,051 50	Under 6 months repairs.
Park avenue, regulating and paving, Twenty-third Ward line to One Hundred and Seventy-seventh street	23,704 00	43,646 00		23,646 00			Completed.
One Hundred and Forty-sixth street, repaving and paving, Morris avenue to Railroad avenue, East	3,073 20	2,128 49		1,944 69			"
One Hundred and Forty-fifth street, regulating and paving, Willis to Brook avenue	4,078 58	4,064 00		4,064 00			"
One Hundred and Forty-eighth street, regulating and paving, Morris to Park avenue (Railroad avenue, East)	4,777 00	4,700 48		4,700 48			"
One Hundred and Thirty-sixth street, regulating and paving, Brown place to Brook avenue	1,007 20	1,071 44		1,071 44			"
Walton avenue, regulating, etc., New York and Harlem Railroad to One Hundred and Sixty-seventh street	40,000 00	47,816 48		47,816 48			"
One Hundred and Ninety-fifth street, regulating, etc., (Tapscott street), Webster to Morris avenue	3,078 00	1,008 23	\$50 charged to contractor	958 23			"
One Hundred and Sixty-fifth street, repaving, etc., Third to Webster avenue	5,087 50	5,091 43	\$50 charged to contractor	5,041 43			"
One Hundred and Sixty-fourth street, repaving, One Hundred and Sixty-third and One Hundred and Sixty-fourth streets, Park Railroad avenue, West to Morris avenue	16,003 80	15,014 41	\$90 charged to contractor	14,924 41			"
Jerome avenue, regulating, etc., Wall place to One Hundred and Ninetieth street	38,486 00	51,545 00	\$475 charged to contractor	51,070 25			"
St. Mary's street, repaving, etc., St. Ann's to Robbins avenue	11,092 00	11,470 10		11,470 10			"
One Hundred and Seventy-seventh street, regulating, etc., New York and Harlem Railroad to Valerius avenue	4,792 00	4,457 08		4,457 08			"
Constructing bridges and abutments in the crossing of Gerard, Walton and River avenues and the New York Central and Harlem River Railroad, and of Fort Independence street and the New York and Putnam Railroad	64,018 30	24,550 00	7,365 00	17,185 00	24,550 00	17,185 00	75 per cent., No. 1.
Total	\$7,554,083 09	\$4,108,172 46	\$244,073 37	\$3,864,099 09	\$377,977 05	\$294,331 21	

It will be noticed in the foregoing table of work performed that some work has been done on nearly all the contracts during a part of the quarter, while in many cases a very small result is shown. This is due to the fact that during the consideration of the question of the indebtedness the contractors in many instances, while not suspending work entirely, reduced their forces, so that it resulted in a practical suspension.

All the paving contracts which were ordered ahead before the quarter have been completed, adding about two miles to the total length of paved streets other than macadam and 2.67 miles of macadam (Jerome avenue).

The regulating and grading shows considerable advancement during the quarter, but the work is scattering, and it is difficult to give exact mileage.

The bridges or viaducts transferred to this Department during the quarter have progressed fairly well, so far as those under actual construction are concerned; but in the case of Melrose Avenue Viaduct and One Hundred and Fifty-third Street Viaduct there is delay on account of the fact that the title to or easement over land to be occupied by the structures has not yet been secured.

During the quarter the work in the office has been pushed as much as possible, and records of completed works have been made up as soon as completed. Assessment lists have been prepared in duplicate for 18 works, many of which are works of considerable magnitude, involving a great amount of detail.

Twelve reports have been made on resolutions of the Local Board for local street improvements in which the assessed valuation of property likely to be affected and the estimated cost of work are shown.

The financial statement shows the value of the work certified as done on contracts during the quarter.

Very respectfully,
JOSIAH A. BRIGGS, Chief Engineer, Borough of The Bronx.

Dated July 5, 1898.

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JULY 5, 1898.

Hon. JAMES H. MALONEY, Deputy Commissioner of Highways, Borough of The Bronx.

SIR—I have the honor to submit the following report of the transactions of the Maintenance Bureau of the Department of Highways, Borough of The Bronx, for the quarter ending June 30, 1898.

(Signed) CHARLES H. GRAHAM, General Superintendent of Maintenance.

SUMMARY OF WORK DONE AND MATERIAL USED IN THE MAINTENANCE AND REPAIRS OF STREETS IN THE BOROUGH OF THE BRONX DURING THE QUARTER ENDING JUNE 30, 1898.

Macadamized streets—	
New macadam pavement laid, square yards	4,469
Repairs to old macadam pavement, square yards	52,773
Macadam pavement scraped and cleaned, square yards	356,476
Telford foundation laid, square yards	1,433
Paved streets—	
"Trap-block pavement repaired, square yards	2,002
Granite-block pavement repaired, square yards	5,665
Granite-block pavement on concrete foundation repaired, square yards	201
Cobble-stone paved gutters repaired, square yards	348
Unpaved streets—	
Earth roadway repaired, surfaced and scraped, square yards	971,353

*Includes 150 square yards repairs to paved gutters on unpaved streets.

Gutters—	
Gutters formed and cleaned, lineal feet.....	818,600
Curbs—	
Curbstones reset, lineal feet.....	3,063
Curbs formed with native stone, lineal feet.....	240
Sidewalks—	
Flagged sidewalks relaid and repaired, square feet.....	14,004
Earth sidewalks formed and repaired, square feet.....	103,752
Earth sidewalks surfaced with ashes, square feet.....	96,778
Plank sidewalks repaired, lineal feet.....	374
Plank sidewalk laid, lineal feet.....	2,344
Crosswalks—	
Bluestone crosswalks relaid and repaired, square feet.....	21,531
Crosswalks laid, square feet.....	757
Crosswalks cleaned on macadamized and unpaved streets, square feet.....	2,022,225
Retaining-walls—	
Retaining-walls rebuilt, cubic yards.....	822
Guard rails—	
Guard rails erected along retaining-walls and embankments, lineal feet.....	8,941
Guard rails repaired, lineal feet.....	1,878
Blasting—	
Rock blasted and removed, cubic yards.....	57
Trees—	
Dead and dangerous trees cut and removed.....	83
Trees pruned.....	869
Prunings from trees removed and properly disposed of.....	
Weeds, etc.—	
Weeds, grass, etc., cut from sides of roadways and properly disposed of, loads.....	542

The following-named kinds and quantities of material have been handled and properly disposed of as necessitated by the requirements of the work hereinbefore noted:

Earth, cubic yards.....	14,957
Native stone, cubic yards.....	11,210
Broken trap rock, 1 1/2-inch size, cubic yards.....	320
Broken limestone, 1 1/2-inch size, cubic yards.....	435
Trap-rock screenings, cubic yards.....	150
Limestone screenings, cubic yards.....	186
Sand, cubic yards.....	1,431
Ashes, cubic yards.....	1,097

Sprinkling of Main Thoroughfares.

During the quarter the main thoroughfares of the borough have been sprinkled daily, when necessary, to the extent of 90 miles.

Shop Work During the Quarter ending June 30, 1898.

Carpenter-work—	
Make shoes for monitors.....	4
Bases and panels for document cases.....	2
Filing cases.....	2
Hitching rail at Williamsbridge stable.....	1
Rack for bar iron.....	1
Monitors rebuilt.....	2
Monitors, general repairs to.....	28
Door repaired.....	1
Skylight repaired.....	1
Derrick repaired.....	1
Wheelerwright work—	
Monitor poles (new).....	4
Tool cart rebuilt.....	1
Horse road rollers repaired.....	3
Carriages repaired.....	14
Tool carts repaired.....	20
Yard wagon repaired.....	1
Steam road roller tender repaired.....	1
Blacksmith work—	
Steel measuring rods (new).....	8
Box chains (new).....	12
Clevises (new).....	6
Tool carts, iron work for.....	20
Tires reset.....	15
Hand saws sharpened and repaired.....	40
Drum saws sharpened and repaired.....	22
Grub picks sharpened and repaired.....	229
Grub axer sharpened and repaired.....	17
Picks sharpened and repaired.....	326
Rock wedges sharpened.....	48
Hand drills.....	5
Axes.....	26
Crowbars.....	56
Cold chisels.....	4
Picks, steel pointed.....	60
Machinist work—	
Smokestacks for forge.....	2
Valves repaired.....	15
Horse road rollers repaired.....	3
Road machine repaired.....	1
Monitors, general repairs.....	48
Steam road rollers, general repairs as required.....	6
Painting work—	
Monitors painted.....	28
Tool carts painted.....	20
Horse road rollers painted.....	5
Carriages painted.....	13
Iron carts painted.....	5
Steam road rollers painted.....	3
Truck signs lettered.....	60
Sign lettered "Street closed".....	1
Monitor poles painted.....	12
Sighting rod painted.....	1
Steam road roller tenders painted.....	3
Document boxes lettered.....	4

Macadam Roads.

(Memorandum in reference to street mileage.)

The total mileage of macadamized streets in the Borough of The Bronx, revised to date, miles.....	95.60
In the foregoing amount is included new macadam work done by the Maintenance Bureau, miles.....	0.17

—also includes new macadam laid by contract under Construction Bureau, for details of which see report of Chief Engineer, Borough of The Bronx.

Earth Roads.

The total mileage of earth roadways in the Borough of The Bronx, revised to date, miles.....	187.83
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The mileage of the two classes of roads as above expressed are approximate only, as the conditions are subject to constant change due to the progress of contract work, both for sewers and for regulating and grading.

For information relative to the various kinds of pavement, see report of Chief Engineer, Borough of The Bronx.

The time made by the working force of the Maintenance Bureau, Department of Highways, Borough of The Bronx, in the performance of the work hereinbefore noted during the quarter

ending June 30, 1898, is as shown in the following tabulation, the time being expressed in days and fractions thereof:

MONTH.	General Superintendent	Assistant Superintendent	Clerks	Ymkeopers.	General Inspectors.	Foremen.	Assistant Foremen.	Cary-shavers.	Machinists.	Engineers of Steam Rollers.	Pavers.	Drivers.	Carriage Drivers.	Discmen.	Cars.	Trains.	Lafetys.
April.....	30	30	310	210	90	788	334	48	52	100	40	141	23	1	64	800	1,100
May.....	31	31	317	217	93	733	306	47	49	91	75	121	24	2	77	1,035	800
June.....	30	30	310	210	90	750	300	48	52	87	154	26	22	2	154	1,000	6,000
Totals.....	91	91	937	637	273	2,271	940	143	153	268	270	328	70	5	295	4,835	25,100

Broken Stone and Screenings.

Two contracts were executed by the Commissioner of Highways with the firm of Brown & Fleming on June 15, 1898, for furnishing and delivering to the Department broken stone and screenings to be distributed, where required, in the Borough of The Bronx.

One of said contracts is for 21,350 cubic yards broken stone; trap rock, 5,120 cubic yards screenings.

One of said contracts is for 21,580 cubic yards broken stone; limestone, 5,300 cubic yards screenings.

None of the above has been delivered during the quarter. This material is for new macadam and repairs to existing macadam, the work to be done by the Maintenance Bureau.

The following statement shows the numbers and characters of permits issued during the quarter ending June 30, 1898; also the amount of money received for same:

For sewer connections.....	No. 470
For sewer repairs.....	30
For Croton connections.....	347
For Croton repairs.....	112
For vault.....	1
For vault (temporary).....	1
For water supply pipe (east of Bronx river).....	40
For repairing supply pipe (east of Bronx river).....	2

Street and Sidewalk Openings.

To repairs to gas-main.....	1
For completing sewer connections.....	1
For laying temporary sewer.....	15
For laying surface water drain.....	10
For repairing surface water drain.....	11
For repairing temporary sewer.....	1
For repairing cold-air pipe.....	1
For laying gas service pipe.....	2
For repairing gas service pipe.....	4
For preparatory to tapping Croton main.....	3
To erect poles (telegraph).....	5
To plant trees.....	2
To make repairs to railroad tracks.....	1
To excavate for open area.....	5
To build cellar steps.....	2
To clean out oven flue.....	1
To set curb.....	1
To set guy post.....	1

Street and Sidewalk Openings.

To put in fresh-air pipe.....	2
To open test holes to repair cables.....	1
To pave sidewalks.....	1
To set derrick stakes.....	1
To set guy stubs.....	3
To set awning posts.....	2
To set clock (resolution Board of Aldermen).....	1
To set barber pole (resolution Board of Aldermen).....	1
To clean cesspool and refill with clean water.....	1
Total.....	1,075

To Place Building Material and Other Obstructions.

To place building material.....	220
To place masons' material.....	5
To place derricks.....	2
To place hoisting engines.....	16
To place kettles.....	3
To place dirt excavated from cellars.....	3
To place temporary runway.....	1
Total.....	250

Miscellaneous Permits.

To drive across sidewalk.....	120
To move frame house on public highways.....	21
To move machinery.....	1
To lower curb for driveway.....	7
To dump earth-filling on roadway.....	6
To dump sand on roadway.....	3
To lay temporary board walk.....	1
To lay new sidewalk.....	32
To repair sidewalk.....	21
To erect fence.....	25
To build steps.....	10
To repair steps.....	1

Miscellaneous Permits.

To build retaining-wall.....	4
To set gutter-bridge.....	2
To repair gutter-bridge.....	1
To cut down and remove trees.....	10
To trim trees.....	1
To grade sidewalk.....	5
To grade roadway.....	1
To set tool-house on street.....	2
To regulate and grade avenue.....	1
To place news-stand on area-line.....	1
To place shed over sidewalk.....	1
To terrace down property to sidewalk.....	1
Total.....	284

Total number of permits issued during the quarter..... 1,607

Cash received for restoring pavement over sewer connections.....	\$1,093 31
Cash received for restoring pavement over sewer repairs.....	40 00
Cash received for restoring pavement over Croton connections.....	305 80
Cash received for restoring pavement over Croton repairs.....	146 47
Cash received for restoring pavement over gas repairs.....	63 01
Cash received for constructing vaults.....	188 53
Cash received, miscellaneous.....	15 00
Cash received for use of steam-roller.....	96 00
Total cash received during the quarter.....	\$1,948 12

All of which is respectfully submitted.

(Signed) CHARLES H. GRAHAM,
General Superintendent Maintenance, Borough of The Bronx.

*Includes 250 cubic yards of Telford stone purchased.
†Includes 200 cubic yards of sand purchased.
‡Includes 342.7 cubic yards of ashes purchased.

DEPARTMENT OF HIGHWAYS—BOROUGH OF THE BRONX, July 8, 1898.

Hon. JAMES H. MALONEY, Deputy Commissioner of Highways, Borough of The Bronx.

DEAR SIR—In accordance with instructions of the Commissioner of Highways, transmitted to you, I have the honor to submit the following report of expenditures for three months ending June 30, 1898:

Summary of Expenditures for Three Months ending June 30, 1898, Being Amount of Requisitions Drawn on Comptroller on Account of Appropriations and Funds.

Table with 2 columns: Description of expenditure and Amount. Includes Salaries, Office of Deputy Commissioner, Contingencies, Labor, Maintenance and Supplies, Preliminary Surveys, etc., Rock Soundings, Standard Bench Marks, etc.

Total \$389,868 71

Detailed Statement of Expenditures for which Requisitions were Drawn on Comptroller by the Commissioner of Highways, Borough of The Bronx, during the Three Months ending June 30, 1898:

Main expenditure table with 2 columns: Description and Amount. Categories include Office of Deputy Commissioner, Contingencies, Labor, Maintenance and Supplies, Preliminary Surveys, Rock Soundings, Standard Bench Marks, Restoring and Repairing Special Fund, Street Improvement Fund, Repairing Roads, Streets and Avenues, Paving Jerome Avenue, and Construction Rose Hill Place.

Respectfully, CHARLES McCAFFREY, Clerk.

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DEPARTMENT OF HIGHWAYS—BOROUGH OF BROOKLYN, New York City, July 8, 1898.

Hon. JAMES P. KEATING, Commissioner of Highways.

DEAR SIR—I submit herewith a report of the transactions of the Department of Highways in the Borough of Brooklyn for the three months ending June 30, 1898:

Table with 2 columns: Description of transaction and Amount. Includes permits for water, sewer, and electric connections, vault permits, work done for account of corporations, removing obstructions, and special permits.

Total \$9,828 35

The permits issued have been as follows:

Table with 2 columns: Description of permit and Amount. Includes open streets for water pipes, sewer connections, repair material, street vaults, special permits, awnings, sidewalks, and renewals.

Total permits issued and renewed 5,103

37,943 square yards of stone pavement have been relaid by day's labor.

The expenditures of the Department, from January 1 to June 30, have been as follows:

Table with 2 columns: Description of account and Amount. Includes Account of Labor, Maintenance and Supplies, and Account of Salaries.

In addition to the receipts above noted there has been collected during the quarter from various corporations the sum of \$3,536.30, of which no return has heretofore been made.

Inasmuch as these moneys were advanced out of the appropriation for "Repairs to Streets" of the old City Works Department, or out of the appropriation for "Labor, Maintenance and Supplies" of the Highways Department, it would only seem just that this sum be now made available for use by this Department, and I would recommend, if you approve and it can consistently be done, that the Board of Estimate and Apportionment be asked to transfer this amount to the appropriation for "Labor, Maintenance and Supplies" for the current year; or, make such other disposition as may be deemed best, which will at the same time enable this sum to be added to our modest appropriation.

I would suggest that hereafter such paying or repairing with stone pavement as is paid for by the city at large and for which no assessment is to be laid be done by day's labor and by the employees of this Department. It is my opinion that the work done in such manner will be a benefit in the long run to the property-owners as well as to this Department, as we would then have direct jurisdiction over all such work.

Organization on the lines of the Central Department has been proceeded with slowly, feeling that it would be better to expand as occasion required rather than to hastily adopt an organization which would afterward be found unsuited to the special conditions prevailing here.

It has been much regretted that the contracts which were made and certified by the Comptroller of Brooklyn could not have been promptly carried out. There are eleven such contracts for repairing with asphalt, the estimated cost of which is \$85,000, on which orders to commence work have not been given.

There are also nineteen improvements which were authorized by the Common Council of the City of Brooklyn for which the property-owners have paid more than one third of the cost in advance, the proportion which has been paid varying from 41 to 92 per cent. of the estimated cost. These are given in detail in the report of the Engineer, with a statement showing the manner in which the assessments have been laid, and the hardship imposed upon the abutting owners through their failure to receive what they have already paid for.

The unimproved roads in the outlying wards are now being repaired. As there are over 140 miles of such roads this is an important matter. The work is being done by day's labor, and it is hoped that they will soon be placed in good condition. Sprinkling is also being done on a number of the macadamized roads where there are few residences, and their condition is greatly improved.

For more detailed information I refer you to the reports of the Engineer and the Superintendent of Incumbences, which are herewith submitted.

Respectfully, THOS. R. FARRELL, Deputy Commissioner.

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OFFICE OF THE ENGINEER OF HIGHWAYS, Borough of Brooklyn, July 8, 1898.

Hon. THOMAS R. FARRELL, Deputy Commissioner of Highways, Borough of Brooklyn.

DEAR SIR—In accordance with your instructions, I submit the following report of the work done under the supervision of the Engineering Bureau of the Department of Highways in the Borough of Brooklyn during the three months ending June 30, 1897, with statement showing the present condition of improvements now under way and those which are proposed.

The mileage of pavements of different kinds at this date is as follows:

Table with 2 columns: Pavement type and Miles. Includes Asphalt, Granite, Cobble-stone, Belgian, Macadam, Vitrified brick, and Unpaved (approximately).

This shows an increase since March 31 of 1.08 miles of asphalt; 1.27 miles of granite block; 0.58 miles of Belgian or trap block, and 1.10 miles of macadam, and a decrease in cobble-stone of 0.94 miles.

The contracts under which this work has been done were as follows:

Table with 2 columns: Contract description and Estimated Cost. Lists various street improvement projects and their costs.

There still remain some of the contracts for asphalt paving enumerated in my report of March 31 as having been certified by the Comptroller of the City of Brooklyn, for which orders have not been issued to commence work, as follows:

Table with 2 columns: Contract description and Estimated Cost. Lists remaining asphalt paving contracts and their costs.

The following table shows the contracts upon which work has been in progress during the past quarter, with the amount which has been done in each case:

Contracts upon which Work has been in Progress during the Quarter ending June 30, 1898.

STREET.	KIND OF IMPROVEMENT.	TOTAL AMOUNT PAID.	AMOUNT PAID.	TOTAL ESTIMATE.	AMOUNT COMPLETED.	CURB VARIOUS GRADING.	REMARKS.
		Sq. yds.	Sq. yds.	Lin. ft.	Lin. ft.		
Belmont avenue, from Rockaway avenue to Powell street.	Asphalt.	6,491	6,491	1,864	1,864	4,628 cu. yds. emb.	
Clarkson street, from Flatbush to New York avenue.	Macadam.	16,812	16,812	3,431	3,431	3,315 cu. yds. emb.	
Court street, from Joralemon to Fulton street.	Asphalt.	3,186	3,186	311	311	2,700 emb.	Replaces Belgian pavement.
Cour Square and Boerum place, from Fulton to Bergen street.	Granite.	6,419	4,718	1,710	1,380		Replaces cobble pavement.
Emmons and Neptune avenues, from Hog Point creek to Ocean Parkway.	Macadam.	47,766	47,766	9,150	4,000		
Essex street, from Atlantic avenue to Eastern Parkway.	Belgian.	4,002	4,002	1,519	1,519	1,128 cu. yds. emb.	
Euclid avenue, from Atlantic to Jamaica avenue.	Asphalt.	9,313	9,313	2,716	2,716	2,393 cu. yds. emb.	
Hancock street, from Ralph to Howard avenue.	"	2,636	2,636	692	692	3,834 emb.	Replaces cobble pavement.
Miller avenue, from Jamaica avenue to Eastern Parkway.	Granite.	6,547	6,547	4,461	3,401	5,000 cu. yds. emb.	
Oakland street, from Driggs avenue to Ash street.	"	17,480	8,200	5,749	2,375		Replaces cobble pavement.
Ocean avenue, from Emmons avenue to Avenue U.	Macadam.	27,550					Work begun, nothing completed.
Park place, from Nostrand to New York avenue.	Asphalt.	2,820					" " "
Sixtieth street, from Third to Fourth avenue.	Trap block.	3,395				24,380	Grading, one-half completed.
Stillwell avenue, from Eightieth to Eighty-sixth street.	Macadam.	17,818					Quantities include work on Eightieth and Eighty-sixth streets.
St. Nicholas avenue, from Ralph to Hart street.	Belgian.	7,871	7,871	2,033	2,033	9,747 cu. yds.	
Avenue U, from Ocean avenue to Ocean Parkway.	Macadam.	12,692					
Utica avenue, from line between Twenty-fourth and Twenty-ninth Wards to line between Twenty-ninth and Thirty-second Wards.	Grading and macadamizing.	5,468				18,414	Grading, four-fifths completed.
Avenue U, from Ocean Parkway to Eighty-sixth street.	Grading.					32,475 cu. yds. emb.	" " "

There are also two contracts in existence for paving streets in the Wallabout Market. One for paving on E and F streets, West avenue and Market Square, upon which payments to the amount of \$8,586.20 have been made out of a total of \$10,000 appropriated for the purpose. The City furnished the blocks and the contract covers only the labor. The other is for laying granite pavement on a concrete foundation, with pitch and gravel joints on the extension of Clinton avenue, from Flushing avenue to the Wallabout basin; on Lemon street, Washington avenue to Clinton avenue extension, and on Fleeman avenue, from Flushing avenue to Lemon street, the estimated cost of this work being \$45,000, and the contract having been certified by the Comptroller.

It having been decided that the execution of the work provided for in contracts let by the Commissioners of the Common Lands Fund of the late Town of Gravesend devolved upon this Department, orders have been given the contractors to commence work on all but two of the contracts. They are as follows:

Contract made with John H. O'Rourke, dated October 22, 1897, for macadamizing Emmons and Neptune avenues, from Hog Point creek to Ocean parkway. Work to consist of resetting curb, relaying 2 1/2 feet of Belgian gutter; remainder of roadway, except between railroad tracks, to be macadamized; estimated cost, \$23,000.

Contracts made with John F. Maillie, for macadamizing Ocean avenue, from Emmons avenue to Avenue U; date of contract, November 4, 1897; macadam, 16 feet in width, on each side of railroad tracks; no gutter pavement; estimated cost, \$16,500.

Also for macadamizing Kings highway, from Ocean avenue to Twenty-second avenue; date of contract, December 13, 1897; macadam, 16 feet in width, in middle of roadway as now used; no gutter pavement; estimated cost, \$11,000.

Also, for macadamizing Ocean avenue, Avenue U to Bay avenue; date of contract, December 29, 1897; macadam 16 feet in width on each side of the railroad tracks; estimated cost, \$27,000.

Contracts awarded to Manhattan Construction Company for macadamizing Avenue U, from Ocean avenue to Ocean parkway; date of contract, November 4, 1897; macadam 30 feet in width in the middle of the street; no gutter pavement; estimated cost, \$9,500.

Also for macadamizing Avenue U, from Ocean parkway to Eighty-sixth street; date of contract, November 4, 1897; macadam 30 feet in width in the middle of the street; no gutter pavement; estimated cost, \$12,000.

Contract awarded to Harris & McGuire, for macadamizing Eighty-sixth street, Stillwell avenue and Eightieth street, from Avenue U to Twenty-third avenue; date of contract, November 4, 1897; Belgian-block gutters, and macadam full width of roadway (60 feet); cesspools where required; estimated cost, \$14,500.

Contract awarded to Thomas P. Murphy for macadamizing Cropsy avenue, Harway avenue and West Eighteenth street, from Twenty-third avenue to Canal avenue; date of contract, December 9, 1897; Belgian gutters and macadam, full width of the roadway, except on West Eighteenth street, upon which macadam 20 feet wide is to be laid in the middle of the roadway, with no gutters; estimated cost, \$15,000.

The two contracts upon which orders to commence work have not been issued, are as follows:

With John F. Maillie, for macadamizing Bay avenue, Elm avenue, Cooney Island avenue, Avenue N, Avenue M and Sixtieth street, from Ocean avenue to Twenty-second avenue; contract dated December 29, 1897; macadam 16 feet in width on Bay avenue and Elm avenue and 20 feet in width on all other streets; estimated cost, \$19,300.

With Thomas P. Murphy, for macadamizing West Seventeenth street, from Surf avenue to Canal avenue; contract dated December 29, 1897; macadam 20 feet in width in the middle of the roadway (after grading under contract made by the Department of City Works); estimated cost, \$5,000.

This last is a contract for macadamizing the street to connect with the bridge across Cooney Island avenue at Harway avenue, for which improvement there have been so many requests, and for which there is urgent necessity.

In the last report it was assumed that improvements for which bids were received or contracts signed, but not certified, could not be carried out, and that all proceedings inaugurated by the Common Council of the City of Brooklyn, but which had not reached the point where bids could be asked, had lapsed, and must be commenced again, and such contracts and proceedings were not enumerated.

Recent opinions of the Corporation Counsel seem, however, to justify the belief or the hope that some at least of these contracts may yet be carried out, and that improvements which are to be paid for wholly by assessment, and where such assessments have been confirmed, may be pushed to completion under the provisions of the law under which they were authorized. The latter class are manifestly those which merit earliest action, although some of them are relatively of less importance to the general public. The assessments, based upon an estimated cost, were, in accordance with the Brooklyn Charter, laid by the Board of Assessors and confirmed by the Common Council, and became liens upon the property affected, while in many cases they have been paid for a year or more, and the owners of the property have received nothing for their money. This has often caused much hardship, and a number of cases have come to my notice where property-owners of small means have been unable to pay their general taxes because their money has been tied up by paying assessments for which they have received no benefit.

The streets affected are as follows:

Improvements Authorized in Accordance with the Provisions of Title XIX. of Chapter 583 of the Laws of 1888 (the Brooklyn Charter), Entire Cost to be Assessed upon the Property Benefited, One-third of Estimated Cost to be paid in before Contract can be made.

STREET.	KIND OF IMPROVEMENT.	ESTIMATED COST.	DATE OF CONFIRMATION (IF ASSESSMENT).	AMOUNT PAID IN TO JUNE 30, 1898.	PERCENT OF TOTAL.	PRESENT STAGE OF PROCEEDINGS.
1. Sixtieth street, from Third to Fourth avenue.	Trap-block	\$10,600 00	Oct. 4, 1897	\$9,749 92	.919	Contract partly certified.
2. Avenue C, from Flatbush to Cooney Island avenue.	Macadam	18,000 00	Feb. 6, "	13,475 32	.748	"
3. Utica avenue, from line between Twenty-fourth and Twenty-ninth Wards to line between Twenty-ninth and Thirty-second Wards.	"	15,500 00	Sep. 13, "	13,350 71	.861	"
4. Orient avenue, from Metropolitan avenue to Oliver street.	Asphalt	5,500 00	June 28, "	3,789 00	.689	"
5. Nostrand avenue, from Butler to President street.	Belgian	4,000 00	" 7, "	2,544 37	.636	"
6. Richardson street, from Kingsland avenue to Humboldt street.	"	4,500 00	" 14, "	2,958 10	.657	"
7. West Seventeenth street, from Canal to Surf avenue.	Grading	3,000 00	" 7, "	3,735 63	.124	Contract made, not certified.
8. Butler street, from Troy to Schenectady avenue.	"	2,000 00	Nov. 9, "	1,675 54	.837	"
9. St. Nicholas avenue, from Hart street to Flushing avenue.	Belgian	13,000 00	July 22, "	8,748 09	.673	"
10. Knickerbocker avenue, from Palmetto street to Putnam avenue.	Granite	6,500 00	June 7, "	4,239 39	.652	"
11. Park place, from Brooklyn to Albany avenue.	Asphalt	10,000 00	" 14, "	9,274 32	.927	"
12. Butler street, from Albany to Troy avenue.	"	5,500 00	Aug. 2, "	4,800 30	.873	"
13. Prospect place, from Brooklyn to Kingston avenue.	"	5,000 00	June 14, "	2,985 84	.597	"
14. Winthrop street, from Flatbush to Rogers avenue.	Macadam	10,000 02	Aug. 2, "	6,269 58	.627	Bids received, contract not made.
15. Regent place, from Flatbush to Ocean avenue.	Grading	2,000 00	July 20, "	1,799 22	.899	Bids not asked.
16. Himerod street, from Irving to Wyckoff avenue.	Cobble	3,000 00	June 14, "	2,108 79	.703	"
17. Park place, from Troy to Schenectady avenue.	Grading	1,000 00	Dec. 13, "	720 47	.720	"
18. Eighty-fourth street, from Fourth to Seventh avenue.	Macadam	15,000 00	Nov. 29, "	6,777 88	.452	"
19. Avenue B, from Flatbush avenue to Ocean Parkway.	"	22,500 00	June 14, "	9,283 63	.412	"
20. Bay Eleventh street, from Eighty-sixth street to Cropsy avenue.	"	15,500 00	Aug. 4, "	3,271 84	.211	"
21. Ocean avenue, from Fort Hamilton avenue to Avenue F.	"	20,000 00	Dec. 15, "	8,161 04	.408	"
22. Regent place, from Flatbush to Ocean avenue.	Asphalt	3,000 00	" 20, "	320 74	.107	"
23. Pacific street, from Schenectady to Utica avenue.	"	5,600 00	Nov. 8, "	2,401 71	.429	"
24. Butler street, from New York to Brooklyn avenue.	"	2,000 00	June 14, "	16 29	.008	"
25. Somers street, from Stone avenue to Broadway.	Trap-block	3,000 00	Dec. 20, "			"
26. Cropsy avenue, from Twenty-third avenue to Bay Thirty-fifth street.	Macadam	2,700 00	Nov. 9, "	3 85	.001	"

It will be seen that while contracts for numbers 1 to 6, inclusive, have been made and partially certified, and contracts for numbers 7 to 12, inclusive, have been made but not certified, and that for number 13 bids have been received, but no contracts made, the necessary one-third, or more, has been paid in on numbers 15 to 19, and on number 23; but no steps have yet been taken towards giving the people what they have already paid for.

of the Laws of 1892, which relates to the Twenty-sixth Ward only, and provides for the laying of assessments based upon an estimated cost, but payable in five (5) annual installments. The act provides that, as soon as one-fifth of the total estimated cost shall have been paid in on any street, a contract shall be made and the work completed, short term bonds being issued to make up the difference between the amount paid in and the total cost. The streets affected by these proceedings are as follows:

The same conditions prevail with respect to certain improvements authorized by chapter 310 of the Laws of 1892, which relates to the Twenty-sixth Ward only, and provides for the laying of assessments based upon an estimated cost, but payable in five (5) annual installments. The act provides that, as soon as one-fifth of the total estimated cost shall have been paid in on any street, a contract shall be made and the work completed, short term bonds being issued to make up the difference between the amount paid in and the total cost. The streets affected by these proceedings are as follows:

Table with columns: STREET, KIND OF IMPROVEMENT, ESTIMATED COST, DATE OF APPROVAL REPORT, AMOUNT PAID TO DATE OF 1898, PER CENT OF TOTAL, PRESENT STATUS OF PROGRESS.

Four contracts, not enumerated above, have already been carried out under the law, and as will be seen by the table the necessary one-fifth has been collected on Nos. 4, 7, 8 and 9, and the work should be authorized and completed.

The following is a list of the contracts for repaving which were made by the proper officers of the City of Brooklyn, but which were not certified by the Comptroller:

The following is a list of the contracts for repaving which were made by the proper officers of the City of Brooklyn, but which were not certified by the Comptroller:

Table listing asphalt contracts with columns: STREET, ESTIMATED COST.

Table listing granite contracts with columns: STREET, ESTIMATED COST.

Table listing vitrified brick contracts with columns: STREET, ESTIMATED COST.

Contracts for which bids were received, but which were not executed by the Mayor and Commissioner of City Works for Repaving with Asphalt.

Table listing contracts for which bids were received but not executed, with columns: STREET, ESTIMATED COST.

The worst streets to render them safe for ordinary traffic. It was proposed to make a contract for maintaining these pavements for a period of five years, the streets being divided into four (4) groups, according to age and present condition, each group to be the subject of a separate contract. The Board of Public Improvements, however, was unwilling to authorize a contract for a longer period than one year. This is, in my judgment, a distinct misfortune, and will result in the City's paying considerably more for this work than it would under a contract for a term of years.

Bids are now being asked for this work, and it is to be hoped that contracts can be promptly made, as the condition of the streets is daily growing worse and is the cause of much criticism. Authority has been asked and granted for the purchase of broken stone for repairs to macadamized roads; specifications have been prepared and forwarded to the office of the Commissioner of Highways, and bids are now being asked for. A force is just being organized for the repair and maintenance of macadamized roads, under the supervision of the Superintendent of Streets and Roads, instead of doing this work by contract, as heretofore, and as suggested in the last report. About 12 1/2 miles of macadamized roads in the Thirtieth Ward (late Town of New Utrecht) are now being regularly sprinkled. The streets selected are popular thoroughfares for driving and bicycling, but along which there is little improved property, and the consequent improvement in their condition is much appreciated by the great numbers who use them. While I believe that sprinkling is a necessary and very important feature in the maintenance of macadamized roads, it is not wise, in my judgment, for the City to assume this burden except on much used roads, which are but little built upon.

Such roads, when well maintained and sprinkled are extremely satisfactory to the residents upon them, but the cost of repairs is greater than for any other pavement. The first cost being very small, macadam would be more generally asked for by the property-owners as a first pavement, the cost of which must be borne by them, and the expense of maintenance to the City at large would be greatly increased. This would scarcely be just to other property-owners who have already paid for such expensive and substantial pavements, the repair and renewal of which have cost the City comparatively little. For these reasons the sprinkling of macadamized streets in well developed sections has been left to the property-owners themselves, although where it has been neglected the pavement has suffered.

Quite a large amount of work has been done by railroad, gas, electric and other corporations during the quarter. The number of the openings, length of track and subways, and the area of pavement relaid by them is as follows:

Table with columns: TYPE OF WORK, QUANTITY.

Table titled 'Work Done by Brooklyn Heights Railroad Company under Permit from this Department' with columns: TYPE OF WORK, QUANTITY.

Table titled 'Work Done by the Nassau Electric Railroad Company under Permit from this Department' with columns: TYPE OF WORK, QUANTITY.

Table titled 'Work Done by Coney Island and Brooklyn Railroad Company under Permit from this Department' with columns: TYPE OF WORK, QUANTITY.

Table titled 'Permits Issued for Laying Electrical Subways' with columns: COMPANY, LOCATION, QUANTITY.

There has been an unfortunate delay in making contracts for repaving and maintaining the asphalt pavements upon which the contractors' guarantees have expired, and several of these streets are now in bad condition, although \$2,554.54 has been expended in emergency repairs to

- Commercial Cable Company—**
 On Flatbush avenue, between Park Plaza and Ocean avenue.
 On Ocean avenue, between Flatbush avenue and Sheepshead Bay.
- New York and New Jersey Telephone Company—**
 On Broadway, between Debevoise street and Flushing avenue.
 On Cropsy avenue and Bay Seventeenth street, northwest to southeast corner.
 On Fulton street, between Lawrence street and Greene avenue.
 On Fifteenth street, between Ninth and Hamilton avenues.
 On Flushing avenue, between Broadway and Central avenue.
 On Halsey street, between Bedford and Throop avenues.
 On Johnson avenue, between Bushwick and Morgan avenues.
 On Marcy avenue, between Halsey and Hancock streets.
 On Ninth avenue, between Fifteenth and Twentieth streets.
 On Neptune avenue, between Ocean parkway and to cross Neptune avenue.
 Surf avenue, West Fifth street to Central Office.
 Hamilton avenue, Fifteenth street and Gowanus Canal.
 Johnson avenue, between Morgan and Varick avenue.
 Flushing avenue, between Central and Knickerbocker avenue.
- Edison Electric Illuminating Company—**
 On Bowne street, between Columbia street and H. R. Worthington's manufacturing establishment.
- On Neptune avenue, between Ocean Parkway and Cross street.
- Amsterdam Electric Light, Heat and Power Company—**
 On Bedford avenue, between Grand street and South Fourth street.
 On Grand street, between Berry street and Union avenue.

Permits Issued to Gas Companies to Lay New Main.

- On Bayard street, between Manhattan and Graham avenue.
 On Covert street, between Hamburg and Knickerbocker avenues.
 On Douglass street, between Nostrand and Troy avenues.
 On Fifty-second street, between Fifth and Sixth avenues.
 On Fiftieth street, between Fourth and Fifth avenues.
 On Fifth avenue, between Fifty-third and Fifty-fourth streets.
 On Fortieth street, between Fort Hamilton and Twelfth avenues.
 On Grant street, between Jamaica avenue and Etna street.
 On Lincoln avenue, between Liberty and Glenmore avenues.
 On Norwood avenue, between Fulton street and Jamaica avenue.
 On Ocean avenue, between Jerome and Emmons avenue.
 On Pine street, between Ridgewood avenue and 200 feet north.
 On Ralph street, between Knickerbocker avenue and 150 feet north.
 On Rush street, between Kent avenue and Berry street.
 On Ridgewood avenue, between Crescent and Pine streets.
 On Surf avenue, between West Eighth and West Thirty-sixth street.
 On Sixth street, between Eighth and Ninth avenues.
 On Sutter avenue, between Jerome avenue and Barbey street.
 On Seventh avenue, between Sixty-first and Sixty-seventh street.

Permits to Street Railroad Companies.

- Van Brunt street and Erie Basin Railroad Company—**
 On Van Brunt street between Hamilton avenue and Elizabeth street. To relay track.
 On Elizabeth street, between Van Brunt and Oscego streets. To relay track.
 On Elizabeth street, between Van Brunt and Oscego streets. To erect trolley poles.
 On Van Brunt street, between Hamilton avenue and Elizabeth street. To erect trolley poles.
- Nassau Electric Railroad Company—**
 On South Eighth street, between Kent and Wythe avenues. To lay turnout to car house.
 On South Eighth street, between Kent and Wythe avenues. To lay cross over.
 On South Eighth street, between Kent avenue and Broadway. To weld track joints.
 On Thirty-ninth street, between Fort Hamilton and Twelfth avenues. To change grade of track.
 On Vanderbilt and Park avenues. To lay connecting tracks.
 West Eighth street at New York and Coney Island Railroad crossing. To lay crossing.
 On Atlantic avenue and Boerum place. To renew crossing.
 On Atlantic avenue and Boerum place. To renew connecting tracks.
 On Bay Nineteenth street and Bath avenue. To renew connecting tracks.
 On Fifth avenue and Third street. To renew rails.
 On Fifth avenue and Fifth street. To renew rails.
 On Fulton street and Court Square. To renew rails.
 On Fulton and Adams streets. To renew rails.
 On Fifth avenue, between Atlantic avenue and Twenty-seventh street. To weld joints.
 On Marcy avenue, between South Fifth and North Second streets. To renew tracks.
 On Marcy avenue, between Flushing avenue and Fulton street. To weld joints.
 On Marcy avenue and North second street. To renew crossing.
 On Ninth avenue east of Park Plaza. To remove switch.

Special Permits for Minor Repairs—41.

- Coney Island and Brooklyn Railroad Company.**
 On Sea Breeze avenue near Ocean parkway. To lay second track.
 On Tompkins and De Kalb avenue. To renew crossing.
 On West Fifth street, between Sea Breeze avenue and Surf avenue. To renew and extend track.
 On Washington and Front streets. To renew connecting tracks.
 On Bond street and De Kalb avenue. To lay new switch.
 On De Kalb and Franklin avenues. To renew crossing and connecting track.
 On Franklin avenue between Crown and Carroll streets. To renew crossing.
 On Franklin avenue and Crown street. To renew rails.
 On Gold street and De Kalb avenue. To renew rails.
 On Ninth street and Prospect Park, West. To renew connecting tracks.
 On Neptune avenue and Ocean parkway. To lay second track.
 Special permits for minor repairs, 2.
- Brooklyn Heights Railroad Company—**
 On Thirtieth avenue, between Eighty-sixth street and Bay Ridge avenue, to renew track.
 On Twenty-fifth avenue, between Eighty-sixth street and Ocean avenue, to renew track.
 On Tompkins avenue, between Macon street and Flushing avenue, to renew track.
 On Harrison avenue, between Division and Flushing avenues, to renew track.
 On Third avenue and Twenty-ninth street, to lay new switch.
 On Union and Driggs avenues, to renew connecting tracks.
 On Washington street, between Fulton and Concord streets, to renew track.
 On Washington and Myrtle avenues, to renew connecting tracks.
 On Washington street and Myrtle avenue, to repair tracks.
 On Washington and Flushing avenues, to renew crossings.
 On Grand street, between Humboldt street and County line, to renew tracks.
 On Greene and Franklin avenues, to renew connecting track.
 On Graham avenue, between Broadway and Driggs avenue, to renew track.
 On Knickerbocker and Flushing avenues, to renew connecting tracks.
 On Knickerbocker avenue, between Flushing and Myrtle avenues, to renew tracks.
 On Metropolitan avenue, between Graham avenue and County line, to renew tracks.
 On Myrtle and Nostrand avenues, to renew crossings.
 On Montague and Court streets, to lay new sidings.
 On Myrtle avenue and Broadway, to lay new connecting tracks.
 On Montague and Court streets, to build cable manhole.
 On Malbone street and Ocean avenue, to renew connecting tracks and crossings.
 On Meserole street, between Graham and Bedford avenues, to renew tracks.
 On Navy street, between Park avenue and Willoughby street, to renew tracks.
 On Park avenue and Raymond street, to renew connecting tracks.
 On Park avenue and Navy street, to renew connecting tracks.
 On Richardson street, between Hamburg avenue and end of line, to renew tracks.
 On Raymond street, between Park avenue and Willoughby street, to renew tracks.
 On Ralph avenue and Douglass street, to lay new connecting tracks.
 On Sands and Jay streets, to lay new connecting tracks.
 On South Fourth street, between Graham and Bedford avenues, to renew tracks.
 On Atlantic avenue and Columbia street, to renew crossing.
 On Bay Ridge avenue, between Thirtieth and Third avenues, to renew tracks.
 On Bedford avenue, between Broadway and Manhattan avenue, to renew tracks.
 On Bushwick avenue, between Myrtle and Flushing avenues, to renew tracks.
 On Clove road, between Vernon avenue and Church lane, to remove unused track.
 On Clarkson street, between Clove road and Canarsie lane, to remove unused track.
 On DeKalb avenue and Rockwell place, to lay new connecting tracks.
 On Driggs avenue, between Broadway and Manhattan avenue, to renew tracks.
 On Division avenue, between Koehling street and Kent avenue, to renew tracks.
 On Flushing avenue, between Marcy avenue and the County line, to renew tracks.
 On Fulton street, at Borough Hall, to lay new siding.
 On Fulton and Smith streets, to lay new crossover.
 On Flatbush avenue and Lincoln road, to renew track.
 On Fulton and Jay streets, to lay new crossing and connecting tracks.

- Brooklyn Heights Railroad Company—**
 On Fulton street near Myrtle avenue, to renew tracks.
 On Flatbush and Ocean avenues, to renew crossing and connecting track.
 On Fulton and High streets, to repair tracks.
 On Grand street and Union avenue, to renew crossing.
 On Grand and Lorimer streets, to renew crossing.
 On Grand street, between Union avenue and ferry, to renew tracks.
 On Grand and Humboldt streets, to renew crossing.
 Special permits for minor repairs, 26.
- Kings County Elevated Railway Company—**
 On Liberty north of Tillary street, to build two foundations for columns.
 On Liberty north of Tillary street, to erect ironwork for bridge connections.
- Brooklyn Elevated Railway Company—**
 On Washington and Concord streets, to build foundations for columns.
 On Washington and Concord streets, to erect ironwork for bridge connections.
 No contracts have been made for flagging sidewalks, or fencing vacant lots, but investigations and reports have been made upon 93 petitions therefor, which have been referred to this Department by the President of the Borough. Many sidewalks have been improved by private contract under our inspection, the amount of such work done being 41,761 square feet of bluestone flagging, and 166,232 square feet of concrete sidewalks laid.
- Other miscellaneous work done during the quarter was the relaying of twelve street intersections with granite block, aggregating 1,415 square yards. Restoring the pavement over 1,472 openings made by plumbers, and the repairing of sunken trenches amounting in all to the relaying of 37,943 square yards of stone pavement.

Respectfully,
N. P. LEWIS, Engineer of Highways, Borough of Brooklyn.

DEPARTMENT OF HIGHWAYS—DEPUTY COMMISSIONER'S OFFICE,
MUNICIPAL BUILDING, BOROUGH OF BROOKLYN,
NEW YORK, July 1, 1898.

Hon. THOMAS R. FARRELL, Deputy Commissioner of Highways:
 DEAR SIR—Herewith I beg to submit the following report of the operations of this bureau for the quarter ending June 30, 1898, for the months of April, May and June, as follows:

137 complaints received and attended to.
 93 seizures and removals of obstructions made.
 238 building material permits issued.
 1494 miscellaneous permits issued.
 104 permits issued to cut down trees.

Total expenses for the quarter—of which amount \$406 was expended for the removal of seventy-nine dead and dangerous trees, stumps, posts, etc. \$407 00
 Received from owners for the redemption of seized articles. 7 00

In connection with items of expense above noted, I would call to your attention the fact that there having been no special appropriation provided in the Budget for the administration and other expenses of the Bureau of Incumbrances, the salary of the Superintendent and all other employees' salaries will be taken from the appropriation for Labor, Maintenance and Supplies, Department of Highways. The expense of clerical work and inspection does not, therefore, appear in the above statement.

There having been no special inspectors assigned to this bureau, the work has devolved entirely upon myself, and it has been impossible to cover the enormous area of the city very thoroughly. With the force of inspectors which has just been assigned to the bureau, however, it will be possible to take up the subject in a much more thorough manner.

There are a great many trees in this borough, numbers of which have been neglected and are in a dangerous condition; during recent storms a great many of them have fallen so that a large proportion of the expense has been caused by the necessity for removing these fallen and dangerous trees.

In almost all cases it has been found possible to induce merchants and others maintaining incumbrances to remove them upon notice, so that it seldom has been necessary to make seizures.

Respectfully,
WM. H. McLAUGHLIN, Superintendent of the Bureau of Incumbrances.

DOCUMENT "O."

DEPARTMENT OF HIGHWAYS—DEPUTY COMMISSIONER'S OFFICE,
BOROUGH BUILDING, BOROUGH OF QUEENS,
NEW YORK, July 20, 1898.

Hon. JAMES P. KEATING, Commissioner of Highways, City of New York:
 DEAR SIR—I herewith transmit for your consideration a report of the transactions of the Department of Highways, Borough of Queens, for the quarter ending June 30, 1898.

Various contracts executed in 1897 by the several town and village authorities of Queens County, and which were included in our last quarterly report as unfinished, are still at this time in the same condition, no work having been done owing to the question of the legality of the bonds issued to pay for the improvements, as well as the legality of the contracts. But the matter, I understand, is about to receive favorable report and we are in hopes that work will soon be resumed thereon. The several contractors having these unfinished contracts pending are daily importuning this Department for orders to proceed with the work, and the people living along the line of these unfinished streets are demanding that some immediate steps be taken to finish the work, as many of the streets are exceedingly dangerous to the traveling public. As a complete statement of these contracts are now in the hands of the Comptroller for examination, we trust that his decision will be such as to permit a speedy completion of all these unfinished contracts.

Owing to this state of affairs we are unable to report any new street improvements in this borough for the past quarter, as our force has been engaged solely in repairing and maintaining the roads and streets and keeping them in safe and passable condition.

The following is a statement of the number of miles of streets of the Borough of Queens which have been sanded, repaired or cleaned for the past three months:

Cleaning and repairing macadam roads.....	Miles 68
Sanding macadam roads.....	82
Repairing, grading and crowning dirt roads.....	188
Cleaning and repairing Peekskill gravel roads.....	11 1/2
Total.....	379 1/2

In the above there was used sand for sanding macadam roads, loads.....	1,047
Worn out material removed from macadam and dirt roads, loads.....	13,260
Loam, sand and gravel used for dirt roads, loads.....	18,456
Stone, iron and wooden culverts cleaned, lineal feet.....	1,864
5 wooden culverts were built aggregating, lineal feet.....	680
Stones hauled for culverts and gutters, loads.....	470
Granite and Belgian trap pavement repaired, square yards.....	3,214

The total mileage of each kind of pavement in the Borough is as follows:

Paved with specification granite.....	Miles 14.51
Paved with Belgian trap.....	6.43
Paved with asphalt.....	2.00
Paved with macadam.....	277.36
Paved with brick.....	9.70
Paved with cobble.....	0.30
Paved with gravel.....	13.68
Total.....	324.04

The total number of the various kinds of permits issued during the quarter ending June 30 were as follows:

Permits to open streets to tap water pipes.....	108
Permits to open streets to repair water connection.....	30
Permits to open streets to make sewer connection.....	05
Permits to open streets to repair sewer connection.....	19
Permits to place building material on streets.....	35
Special permits.....	562
Permits to cross sidewalk.....	29
Total permits.....	947

The amount of money received for street openings for water and sewer connections, etc., from April 1, 1898, to June 30, 1898, is as follows:

Sewer connections and repairs.....	\$284 00
Water connections and repairs.....	423 00
Total.....	\$707 00

Early in May this Department received many petitions from wheelmen requesting us to see if anything could not be done to secure a proper outlet for bicycle riders from the Thirty-fourth and Ninety-second streets ferries from Long Island City to the fine macadam roads of Queens County. Acting upon these petitions a letter was addressed to his Honor Mayor Van Wyck on May 3, requesting his interest and assistance in endeavoring to secure for us an appropriation sufficient to construct bicycle strips three feet wide on each side of the streets leading from the Thirty-fourth street Ferry via Borden Avenue to Jackson Avenue to Thompson Avenue to the old city line, and from Ninety-second Street Ferry via Fulton Avenue to the Boulevard to Broadway to Jackson Avenue. Calculations and measurements were submitted, and from reliable sources preliminary estimates were received showing that this could be accomplished for about twenty-two thousand dollars. We feel that no more popular or just move could be made than to grant us an extra appropriation which would enable us to build the bicycle path in this borough as requested, and we trust that through your own and his Honor the Mayor's good offices we may receive from the Board of Estimate and Apportionment a sum sufficient to construct these paths, which would be appreciated by the residents of this section as well as by thousands of bicyclists from Manhattan.

A matter which we referred to in our last quarterly report, and which I would again respectfully call your attention to, is that the Board of Supervisors of Queens County claim and are exercising control over certain streets in this borough which are classed by them as "county roads." By order of the Board of Supervisors, and under charge of the County Engineer, John J. McLaughlin, a number of contractors are at work on these roads, and the money for the payment of such improvement is in the possession of the County Treasurer of Queens County. This matter was stated to you in a letter from me dated March 4, requesting an opinion from the Corporation Council; as a large amount of money is being expended upon this system of roads in the Borough, it would seem to me that the matter of jurisdiction and responsibility ought to be decided as speedily as possible.

All of which is respectfully submitted.

Yours respectfully,
JOHN P. MADDEN,
 Deputy Commissioner of Highways, Borough of Queens.

DOCUMENT "P."

OFFICE OF THE DEPUTY COMMISSIONER AND CHIEF ENGINEER OF HIGHWAYS
 OF THE CITY OF NEW YORK FOR THE BOROUGH OF RICHMOND,
 NEW BRIGHTON, June 30, 1898.

Hon. JAMES P. KEATING, Commissioner of Highways, No. 150 Nassau Street, New York City:
 DEAR SIR—I herewith respectfully submit for your consideration a report of the transactions of the Department of Highways in the Borough of Richmond during the quarter ending June 30, 1898.

With the general procedure of the work of your Department in this borough, you have, through personal inspection, departmental correspondence and documentary work submitted for your consideration and approval, been closely informed during the quarter, and the only mission which the report can at this time serve is to furnish you with a short statement of the general results attained for the citizens of the borough, together with a detailed statement of the work prosecuted and the moneys expended during the quarter. The results accomplished, are briefly these, reminding you of the fact that all highway cleaning in this borough is prosecuted by the Department of Highways.

First, The streets, roads and avenues in the Borough of Richmond are to-day in a condition of cleanliness and repair such as to gain favorable comment from the citizens of the island.

Second, The sidewalks, curbs and gutters throughout the thickly settled portion of the island have been generally improved during the past three months.

The improved macadam roads have been prevented from picking, and heretofore dangerous wash-out locations have been rendered comparatively safe.

The dirt roads of the island are being rapidly ditched, tamped and rolled, much to the satisfaction of the high driving public, and the residents of localities removed from the improved highways.

I respectfully draw your attention to the detailed statement of the operations of this department herein annexed.

STATEMENT.

Number of miles of roads daily sprinkled.....	85.8
Number of sprinklers at present employed.....	27
Cost per mile per day.....	\$1.17

15 miles dirt roads scraped, rolled, ditched and stone removed at a cost of \$99.67 per mile.	
Lineal feet of sidewalk repaired (without cost to this Department).....	13,500
Lineal feet of curb reset (without cost to this Department).....	2,200
Square yards of gutters relaid (without cost to this Department).....	600

80.77 miles of road cleaned weekly, at a cost of \$13.51 per mile per week. In addition to this 48 miles of existing improved highways have been cleaned once, at a cost per mile of \$51.87.

	MILES OF SQUARE YARDS	NEW MIXED CUBIC YARDS	BANKS, CUBIC YARDS	TOTAL COST.	COST PER SQUARE YARD
Paving.....	6,654	212.59	37.02	\$1,740.42	\$27.35
General repairs.....	2.8	21,321	1,346.32	5,553.34	20.13

Miles of Streets Paved during the Quarter.

	Miles.
With specification granite.....
With square granite.....
With specification trap.....
With Belgian trap.....
With sheet asphalt.....
With block asphalt.....
With wood.....
With macadam, 66,706.77 square yards.....	7.37
With cobble.....
With brick.....
With gravel.....
Total.....	7.37

Total Mileage of Each Kind of Pavement.

	Miles.
With specification granite, 825 1/2 lineal feet or 3324 square yards.....	0.16
With square granite.....	.....
With specification trap, 620 yards.....	0.03
With Belgian trap, 2,345 square yards.....	0.07
With sheet asphalt.....	.....
With block asphalt.....	.....
With wood.....	.....
With macadam.....	723.9
With brick.....	.....
With cobble.....	.....
With gravel.....	.....
Total.....	723.35

Trial Balance and Statement as per Ledger, Department of Highways, Borough of Richmond, for the Quarter ending June 30, 1898.

TITLE OF APPROPRIATION	SALARIES.	LABOR, MAINTENANCE AND SUPPLIES.
Appropriation for 1898.....	\$14,186.57	\$73,900.00
Total amount of vouchers certified to Comptroller to date.....	5,934.29	20,868.48
Balance of appropriation, month ending June 30.....	8,252.28	53,031.52
Amount of appropriation to date.....	7,293.23	36,930.00
One-twelfth of appropriation.....	4,275.55	5,258.13
Vouchers certified to Comptroller during current month.....	1,638.31	10,713.10

Public Moneys Received during the Quarter.

	Amount of cash received for deposit.
For restoring and repaving pavement—	
Water connections, openings.....	\$82.00
Sewer connections, openings.....	130.00
General account.....	531.00
Total.....	\$743.00

Cash to be refunded when streets are properly restored..... \$178.00

Permits Issued.

Permits to open streets, to tap water pipes.....	115
Permits to open streets, to repair water connections.....	263
Permits to open streets, to make sewer connections.....	94
Permits to open streets, to repair sewer connections.....	16
Permits to place building materials on streets.....	54
Permits, special.....	398
Total.....	940

Repairs to Pavement.

Square yards of macadam pavement repaired..... 27,885

Statement of Laboring Force Employed in the Department of Highways during the Quarter ending June 30, 1898.

Repairing and renewal of pavements, roads, streets and avenues—Sprinklers, 11,328 hours; Rollers, 500 hours; Laborers, 36,775 hours; Teams, 1,502 hours; Carts, 2,138 1/2 hours.

Statement of Expenditures Against Richmond County, Northfield and Westfield Road Bond Accounts for the Quarter ending June 30, 1898.

Richmond County Road Bond Account—		
Payments on contracts.....		\$25,035.27
Salaries.....		1,107.00
Pay-roll, Inspectors.....		2,710.40
Total.....		\$28,852.67
Northfield Road Bond Account—		
Payments on contracts.....		\$36,827.93
Salaries.....		475.05
Pay-rolls, Inspectors.....		718.90
Total.....		\$37,021.88
Westfield Road Bond Account—		
Payments on contracts.....		\$2,743.20
Salaries.....		421.24
Pay-rolls, Inspectors.....		432.20
Total.....		\$3,596.64

All of which is respectfully submitted.

HENRY P. MORRISON, Deputy Commissioner and Chief Engineer.

DEPARTMENT OF HIGHWAYS.

Supervisor, City Record:

DEAR SIR—In accordance with the provisions of section 1546, chapter 398 of the Laws of 1897, I transmit the following report of the transactions of the Department of Highways for the week ending August 27, 1898.

Respectfully,
 JAMES P. KEATING, Commissioner of Highways.

	BOROUGH.				
	MARSHALTON.	THE BRONX.	BROOKLYN.	QUEENS.	RICHMOND.
<i>Public Moneys received during the Week.</i>					
For restoring and repaving pavement—					
Water connections, openings.....	\$27.25	.....	\$497.00	\$40.00	.....
Sewer connections, openings.....	370.00	.....	263.00	20.00	.....
General account.....	894.75	.....	.....	.....	.....
Total.....	\$1,522.00				
For redemption of obstructions removed.....	11.75	.....	.....	.....	.....
For vault permits.....	4070.83	.....	.....	.....	.....
For shed permits.....	30.00	.....	.....	.....	.....
Total.....	\$4,512.58				
<i>Permits Issued.</i>					
Permits to open streets, to tap water-pipes.....	32	.....	134	18	39
Permits to open streets, to repair water connections.....	.....	.....	.....	.....	.....
Permits to open streets, to make sewer connections.....	21	.....	60	9	11
Permits to open streets, to repair sewer connections.....	.....	.....	.....	.....	.....
Permits to place building material on streets.....	109	.....	24	6	3
Permits to construct street vaults.....	4	.....	.....	.....	.....
Permits, special.....	.....	.....	124	38	41
Permits to construct sheds.....	6	.....	.....	.....	.....
Permits to erect awnings.....	.....	.....	2	.....	.....
Permits to cross sidewalks.....	19	.....	17	.....	.....
Total.....	181		235	61	93
<i>Obstructions Removed.</i>					
Obstructions removed from various streets and avenues.....	13	.....	90	.....	.....
Total.....	13		90		
<i>Repairs to Pavement.</i>					
Square yards of pavement repaired.....	11,851	.....	5,744	541	473

Statement of Laboring Force Employed in the Department of Highways During Week Ending August 27, 1898.

NATURE OF WORK	BOROUGH.														
	MARSHALTON.			THE BRONX.			BROOKLYN.			QUEENS.			RICHMOND.		
	Mechanics.	Laborers.	Teams.	Mechanics.	Laborers.	Teams.	Mechanics.	Laborers.	Teams.	Mechanics.	Laborers.	Teams.	Sprinklers.	Laborers.	Teams.
Repairing and renewal of pavements	245	495	4	87	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boulevards, roads and avenues—	31	56	26	6	.....	.....	36	27	1	25	.....	.....	.....	.....	.....
maintenance of.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roads, streets and avenues.....	7	24	11	11	.....	.....	.....	83	11	47	46	136	17	40	.....
Total.....	285	685	41	100			36	180	14	44	40	136	17	40	

DEPARTMENT OF HEALTH.

WEEK ENDING SATURDAY, 12 M., SEPTEMBER 24, 1898.

Table with 7 columns: Borough, Estimated Population, Deaths, Births, Marriages, Still-births, and Deaths-rate. Rows include Manhattan, The Bronx, Brooklyn, Queens, Richmond, and City of New York.

* Many large institutions raise the death-rate.
Cases of Infectious and Contagious Diseases Reported.

Table showing weekly cases of infectious diseases from June 25 to Sept 24. Diseases include Phthisis, Diphtheria, Croup, Measles, Scarlet Fever, Small-pox, Typhoid Fever, and Typhus Fever.

Deaths According to Cause, Age and Sex.

Large table with 15 columns for age groups and 15 rows for various causes of death. Includes categories like Total, all causes; Diphtheria; Croup; Measles; Scarlet Fever; Small-pox; Typhoid Fever; Typhus Fever; Whooping-cough; Diarrhoeal Diseases; Phthisis; Other Tuberculous Diseases; Diseases of the Nervous System; Heart Diseases; Bronchitis; Pneumonia; Other Diseases of Respiratory Organs; Diseases of Digestive System; Diseases of Urinary System; Congenital Debility; Old Age; Suicides; Other violent deaths; and All other causes.

* Including premature births, atrophy, inanition, marasmus, atelectasis, cyanosis and pretermatural births.

Causes of Death not Specified in the Foregoing Table.

Table listing causes of death categorized by system: Zymotic, Diabetic, Constitutional, Nervous, Circulatory, Respiratory, Digestive, Genito-urinary, Integumentary, Accident, and Other Causes.

Deaths According to Cause, Annual Rate per 1,000 and Age, with Meteorology and Number of Deaths in Public Institutions for 13 Weeks.

Large table with 13 columns for weeks (July 9 to Sept 24) and 15 rows for various causes of death. Includes categories like Total deaths, Annual death-rate, Diphtheria, Croup, Malarial Fevers, Measles, Scarlet Fever, Small-pox, Typhoid Fever, Typhus Fever, Whooping-cough, Diarrhoeal Diseases, Phthisis, Bronchitis, Pneumonia, Other Diseases of Respiratory Organs, Violent Deaths, Under one year, Under five years, Five to sixty-five, Sixty-five years and over, In Public and Private Institutions, Inquest Cases, Mean barometer, Mean humidity, Inches of rain and snow, Mean temperature (Fahrenheit), Maximum temperature (Fahrenheit), and Minimum temperature (Fahrenheit).

Infectious and Contagious Diseases in Hospitals.

Table comparing hospital cases for Scarlet Fever and Diphtheria at Wilson's Patent Hospital and Riverside Hospital. Columns include cases remaining, admitted, discharged, and died.

KINGSTON ARRESTS HOSPITAL.

Table showing hospital cases for Diphtheria, Erysipelas, and Varicella at Kingston Arrests Hospital. Columns include cases remaining, admitted, discharged, and died.

Cases of Infectious and Contagious Diseases Reported, and Deaths from the Same, by Wards.

Table with columns for Diseases (Diphtheria, Cholera, Measles, Scarlet Fever, Typhoid Fever, Small-pox, Phthisis, Erythema, Crabs, Malaria, Scabies, Syphilis, Typhus Fever, Typhoid Fever, Polio, All Causes) and rows for various wards (First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth, Eleventh, Twelfth, Thirteenth, Fourteenth, Fifteenth, Sixteenth, Seventeenth, Eighteenth, Nineteenth, Twentieth, Twenty-first, Twenty-second, Twenty-third, Twenty-fourth, Twenty-fifth, Twenty-sixth, Twenty-seventh, Twenty-eighth, Twenty-ninth, Thirtieth, Thirty-first, Thirty-second, Thirty-third, Thirty-fourth, Thirty-fifth, Thirty-sixth, Thirty-seventh, Thirty-eighth, Thirty-ninth, Fortieth, Forty-first, Forty-second, Forty-third, Forty-fourth, Forty-fifth, Forty-sixth, Forty-seventh, Forty-eighth, Forty-ninth, Fiftieth, Fifty-first, Fifty-second, Fifty-third, Fifty-fourth, Fifty-fifth, Fifty-sixth, Fifty-seventh, Fifty-eighth, Fifty-ninth, Sixtieth, Sixty-first, Sixty-second, Sixty-third, Sixty-fourth, Sixty-fifth, Sixty-sixth, Sixty-seventh, Sixty-eighth, Sixty-ninth, Seventieth, Seventy-first, Seventy-second, Seventy-third, Seventy-fourth, Seventy-fifth, Seventy-sixth, Seventy-seventh, Seventy-eighth, Seventy-ninth, Eightieth, Eighty-first, Eighty-second, Eighty-third, Eighty-fourth, Eighty-fifth, Eighty-sixth, Eighty-seventh, Eighty-eighth, Eighty-ninth, Ninetieth, Ninety-first, Ninety-second, Ninety-third, Ninety-fourth, Ninety-fifth, Ninety-sixth, Ninety-seventh, Ninety-eighth, Ninety-ninth, One hundredth).

Inspections of Premises.

Table showing total number of inspections made (11,056) and classified as follows: tenement-houses (4,218), mercantile establishments (482), private dwellings (146), lodging-houses (262), stables (508), slaughter-houses (1,058), other premises (2,416).

Table showing total number of citizens' complaints attended to (661) and classified as: verified (348), found baseless or nuisance already abated (313), original complaints by inspectors (424).

Inspection of Foods, Milk Cows, etc.

Table showing total number of inspections of milk (854) and specimens examined (833), including inspections of fruit, vegetables, canned goods, pounds of same condemned and destroyed, inspections of meat, pounds of same condemned and destroyed, inspections of fish, pounds of same condemned and destroyed, and milk cows examined (tuberculin test) (5).

Chemical Laboratory.

Table showing chemical laboratory results: Milk (Adulterated 4, Unadulterated 5), Cream Water (Partial sanitary analysis 1, Complete sanitary analysis 1), Water (Kew-Forest supply - Complete sanitary analysis 1, Ridgewood supply - Complete sanitary analysis 1, well, suspicious quality 1, well, contaminated 1, cellar, underground water 1), Ice, sanitary analysis 1, Liquid, determination of available chlorine 1, Fluid, atropine present 1, negative 1, Asparagus (canned), injurious ingredients, negative 1, Microscopical examination 1.

Experimental Analyses.

Table showing experimental analyses: Estimation of suspended matter in Crotan water 0, Confirmative chemical tests on atropia 0, Physiological test, effect of solution on eye of cat 2, Microscopical 19.

Analysis of Crotan Water, September 22, 1898.

Table showing analysis of Crotan Water with columns for Results, Expressed in Parts per U. S. Gallon of 8 3/4 Cubic Inches, and Results, Expressed in Parts by Weight in One Hundred Thousandths. Includes items like Appearance, Color, Odor, Chlorine in Chlorides, Equivalent to Sodium Chloride, Phosphates, Nitrogen in Nitrates, Free Ammonia, Aluminoid Ammonia, Total Nitrogen, Hardness equivalent to Carbonate of Lime, Organic and volatile (loss on ignition), Mineral matter (non-volatile), and Total solids (by evaporation).

Temperature at hydrant, 70° Fahr.

Analysis of Ridgewood Water, September 21, 1898.

Table showing analysis of Ridgewood Water with columns for Results, Expressed in Parts per U. S. Gallon of 8 3/4 Cubic Inches, and Results, Expressed in Parts by Weight in One Hundred Thousandths. Includes items like Appearance, Color, Odor, Chlorine in Chlorides, Equivalent to Sodium Chloride, Phosphates, Nitrogen in Nitrates, Free Ammonia, Aluminoid Ammonia, Total Nitrogen, Hardness equivalent to Carbonate of Lime, Organic and volatile (loss on ignition), Mineral matter (non-volatile), and Total solids (by evaporation).

Temperature at hydrant, 68° Fahr.

Medical Inspection of Schools.

Table with columns: Number of School Days, Average Daily Attendance, Number of Schools Visited, Number Examined, Number Excluded, Cause of Exclusion (Measles, Diphtheria, Scarlatina, etc.), and various other metrics for different school types.

* Included in the Grammar Schools, Grammar Department.

Inspections under Law Regulating Employment of Women and Children in Mercantile and Manufacturing Establishments.

CHILDREN'S EMPLOYMENT CERTIFICATES GRANTED.

Table showing children's employment certificates granted, categorized by color (White, Black) and birthplace (Foreign, American), with sub-categories for various states and cities.

CHILDREN'S EMPLOYMENT CERTIFICATES REFUSED.

Table showing children's employment certificates refused, categorized by color and birthplace, with sub-categories for various states and cities.

Pathology and Bacteriology.

Table listing various pathology and bacteriology activities, such as premises visited, autopsies, diphtheria treatments, and examinations, with corresponding counts.

Infectious and Contagious Diseases.

Table listing infectious and contagious diseases activities, including premises visited, disinfections, and vaccinations, with counts.

Total number of dead animals removed from streets, 1,417.

Executive Action.

Table listing executive actions, including orders issued for nuisances, attorney notices, and permits, with counts.

By order of the Board.

EMMONS CLARK, Secretary.

APPROVED PAPERS.

No. 437.

Resolved, That permission be and the same is hereby given to H. R. Berger, of No. 487 Willis Avenue, Borough of The Bronx, to place and keep an ornamental lamp on the sidewalk...

Adopted by the Board of Aldermen, September 13, 1898.

Adopted by the Council, September 20, 1898.

Approved by the Mayor, September 23, 1898.

EXECUTIVE DEPARTMENT.

MAYOR'S OFFICE—BUREAU OF LICENSES, New York, September 25, 1898. Number of licenses issued and amounts received therefor, in the week ending Saturday, September 24, 1898:

Table showing license statistics for the Borough of Manhattan and The Bronx, including dates, number of licenses, and amounts.

BOROUGH OF QUEENS.

THE CITY OF NEW YORK, OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, LONG ISLAND CITY, September 1, 1898.

Superintendent of the City Record:

DEAR SIR:—In accordance with section 1328 of chapter 378 of the Laws of 1897, the undersigned hereby notifies you that he has this day increased the salary of John F. Jayne, as "Private Secretary in my office," from \$700 to \$1,200 per annum.

Respectfully, FRED'K BOWLEY, President of the Borough of Queens.

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 OF THE PLACES WHERE SUCH OFFICES ARE KEPT AND SUCH COURTS ARE HELD TOGETHER WITH THE HEADS OF DEPARTMENTS AND COURTS:

EXECUTIVE DEPARTMENT.

MAYOR'S OFFICE, No. 4 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. ROBERT A. VAN WYCK, Mayor. ALFRED M. DOWNER, Private Secretary. BUREAU OF LICENSES, No. 1 City Hall, 9 A. M. to 4 P. M. DAVID J. ROCHE, Chief. GEORGE W. LUTHER, JR., Deputy.

AQUEDUCT COMMISSIONERS.

Room 20, Stewart Building, 25th Street, 9 A. M. to 4 P. M. JOHN J. RYAN, MAURICE J. POWERS, WILLIAM H. TEN LUCK, JOHN P. WOODRUFF and THE MAYOR, and COMPTROLLER, Commissioners; HARRY W. WALKER, Secretary, A. F. KELLY, Chief Engineer.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115 Stewart Building, 9 A. M. to 4 P. M. JOHN C. HEWLETT and EDWARD LIVES.

BOARD OF ARMY COMMISSIONERS. THE MAYOR, Chairman; PRESIDENT OF DEPARTMENT OF TAXES AND ASSESSMENTS, Secretary. Address: THOMAS L. FITZNER, Stewart Building. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

MUNICIPAL ASSEMBLY.

THE COUNCIL. RAMBOLD GREENGLASS, President of the Council. P. J. SCULLY, City Clerk. Clerk's office open from 9 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M.

BOARD OF ALDERMEN.

THOMAS F. WOODS, President. MICHAEL F. BLANK, Clerk.

BOROUGH PRESIDENTS.

Borough of Manhattan. Office of the President of the Borough of Manhattan, Nos. 10, 21 and 22, City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. AUGUSTUS W. PATTER, President. IRA EDGAR RIVER, Secretary. Borough of the Bronx. Office of the President of the Borough of the Bronx, corner Third Avenue and One Hundred and Seventy-seventh Street, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. LOUIS F. HAYES, President. Borough of Brooklyn. President's Office, No. 1 Borough Hall, A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M. EDWARD M. GROUT, President. Borough of Queens. FREDERICK BOWLEY, President. Office, Long Island City, 9 A. M. until 4 P. M.; Saturdays, from 9 A. M. until 12 M.

DAVID J. ROCHE, Chief of Bureau of Licenses.

Borough of Richmond. GEORGE COMWELL, President. Office of the President, First National Bank Building, New Brighton, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

PUBLIC ADMINISTRATOR. No. 122 Nassau street, 9 A. M. to 4 P. M. WILLIAM M. HOOKS, Public Administrator.

BOARD OF PUBLIC IMPROVEMENTS. No. 347 Broadway, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. MAURICE F. HILMAN, President. JOHN H. MURPHY, Secretary.

Department of Highways. No. 122 Nassau street, 9 A. M. to 4 P. M. JAMES P. KRATING, Commissioner of Highways. WILLIAM N. SHANNON, Deputy for Manhattan. THOMAS H. PARKER, Deputy for Brooklyn. JAMES H. MALONEY, Deputy for Queens. JAMES P. MADON, Deputy for Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Sewers. No. 265 and 267 Broadway, 9 A. M. to 4 P. M. JAMES KANE, Commissioner of Sewers. MATTHEW F. DONOVAN, Deputy for Manhattan. THOMAS J. BYRNE, Deputy for Queens. WILLIAM BERGMAN, Deputy for Brooklyn. MATTHEW J. GOLDEN, Deputy Commissioner of Sewers, Borough of Queens. HENRY P. MURPHY, Deputy Commissioner and Chief Engineer of Sewers, Borough of Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Bridges. Room 177, Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. JOHN L. SHERA, Commissioner. THOMAS H. YORK, Deputy. SAMUEL R. PROSSER, Chief Engineer. MATTHEW H. MOORE, Deputy for Queens. HARRY BLANK, Deputy for Brooklyn. JOHN E. BACKUS, Deputy for Queens.

Department of Water Supply. No. 122 Nassau street, 9 A. M. to 4 P. M. WILLIAM DALTON, Commissioner of Water Supply. JAMES H. HARRIS, Deputy Commissioner. GEORGE W. HENNING, Chief Engineer. W. O. BYRNE, Water Registrar. JAMES MURPHY, Deputy Commissioner, Borough of Brooklyn, Municipal Building. JOHN F. FICAL, Deputy Commissioner, Borough of Queens, Old City Hall, Long Island City. THOMAS J. MORGAN, Deputy Commissioner, Borough of The Bronx, Corona Park Building. HENRY J. MURPHY, Deputy Commissioner, Borough of Richmond, Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Street Cleaning. 9 A. M. to 4 P. M. JAMES MCCARTNEY, Commissioner, No. 347 Broadway, Manhattan. F. B. GIBSON, Deputy Commissioner for Borough of Manhattan, No. 347 Broadway.

Department of Buildings, Lighting and Supplies. No. 347 Broadway, Room 1242, 9 A. M. to 4 P. M. HENRY S. KATZ, Commissioner of Public Buildings, Lighting and Supplies. PETER J. DOUGLAS, Deputy Commissioner for Manhattan. WILLIAM WALTON, Deputy Commissioner for Brooklyn. HENRY STEPHEN, Deputy Commissioner for Queens. EDWARD I. MILLER, Deputy Commissioner for Richmond.

DEPARTMENT OF FINANCE. Comptroller's Office. Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M. JOHN S. COLES, Comptroller. MICHAEL T. DALY, Deputy Comptroller. EDGAR J. LEVY, Assistant Deputy Comptroller. EDWARD GIBSON, Collector of Assessments and Arrears. RAYMOND O'BRIEN, Collector of City Revenue and Superintendent of Markets, Borough of Manhattan. DAVID K. ADAMS, Receiver of Taxes, Borough of Manhattan. JOHN J. McDONOUGH, Deputy Receiver of Taxes, Borough of Manhattan. JAMES B. BOLTON, Deputy Receiver of Taxes, Borough of Brooklyn. JOHN F. GOULDEN, First Auditor of Accounts, Borough of Manhattan. WILLIAM MCCREARY, First Auditor of Accounts, Borough of Brooklyn. MICHAEL O'KEEFE, Deputy Collector of Assessments and Arrears, Borough of Brooklyn. WALTER H. HOLT, Auditor, Borough of Richmond. JOHN J. FATHALLAH, Deputy Receiver of Taxes, Borough of Richmond. GEORGE HARRIS, Deputy Collector of Assessments and Arrears, Borough of Richmond. EDWARD J. CONNELL, Auditor, Borough of The Bronx. FREDERICK W. BLACKWELL, Deputy Receiver of Taxes, Borough of Queens. FRANCIS H. CLAIR, Auditor, Borough of Queens.

Bureau of the City Chamberlain. No. 23 and 27 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M. PATRICK KEESAN, City Chamberlain. Office of the City Paymaster. No. 23 Richmond street, Stewart Building, 9 A. M. to 4 P. M. JOHN H. THURMAN, City Paymaster.

LAW DEPARTMENT. Office of Corporation Counsel. Staats-Zetting Building, 33 and 4th floors, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. JOHN WHALLEY, Corporation Counsel. THOMAS GUNNELL, W. W. LANE, JR., CHARLES BLANDY, Assistants. ALBERT F. JAMES, Assistant Corporation Counsel for Brooklyn. Bureau for Collection of Arrears of Personal Taxes. Stewart Building, Broadway and Chambers street 9 A. M. to 4 P. M. Bureau for the Recovery of Penalties. No. 119 and 121 Nassau street. ADRIAN T. KESNAN, Assistant Corporation Counsel. Bureau of Street Openings. No. 50 and 52 West Broadway. JOHN P. DUNN, Assistant to Corporation Counsel.

POLICE DEPARTMENT. Central Office. No. 100 Mulberry street, 9 A. M. to 4 P. M. BENJAMIN L. YORK, President of the Board; JOHN B. SKERTON, JACOB HEAL, HENRY E. ASH, Commissioners. DEPARTMENT OF PUBLIC CHARITIES. Central Office. Foot of East Twenty-sixth street, 9 A. M. to 4 P. M. JOHN W. KILGORE, President of the Board; Commissioner for Manhattan and Bronx. THOMAS S. BRADSHAW, Deputy Commissioner. ADOLPH SIMMS, JR., Commissioner for Brooklyn and Queens. ARTHUR A. QUINN, Deputy Commissioner. JAMES FLEMING, Commissioner for Richmond.

Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 A. M. to 4 P. M. Saturdays, 9 A. M. to 12 M. Outdoor Fire Department. Office hours, 8:30 A. M. to 4:30 P. M.

FIRE DEPARTMENT. Office hours for all, except where otherwise noted, from 9 A. M. to 4 P. M.; Saturdays, 12 M. Headquarters. Nos. 127 and 129 East Sixty-seventh street. JOHN J. SCANNELL, Fire Commissioner. JAMES H. TULLY, Deputy Commissioner, Boroughs of Brooklyn and Queens. AUGUSTUS T. DUCHARTY, Secretary. HUGH BOESCH, Chief of Department, and in Charge of Fire Alarm Telegraph. JAMES DALY, Deputy Chief, in Charge of Boroughs of Brooklyn and Queens. GEORGE E. MURRAY, Inspector of Combustibles. PETER SNEY, Fire Marshal, Boroughs of Manhattan, The Bronx and Richmond. ALBERT BAYMOR, Fire Marshal, Boroughs of Brooklyn and Queens. Central Office open at all hours.

DEPARTMENT OF CORRECTION. Central Office. No. 148 East Twentieth street, 9 A. M. to 4 P. M. FRANCIS J. LAWRY, Commissioner. N. O. FANNING, Deputy Commissioner. JAMES J. KIRWIN, Deputy Commissioner for Borough of Brooklyn and Queens.

DEPARTMENT OF HEALTH. New Criminal Court Building, Centre street, 9 A. M. to 4 P. M. MICHAEL C. MURPHY, President, and WILLIAM T. IRKING, M. D., JOHN B. COSBY, M. D., the PRESIDENTS OF THE POLICE BOARD, ex officio, and the HEALTH OFFICERS OF THE POLICE, ex officio, Commissioners; EDWARD CLARK, Secretary.

DEPARTMENT OF EDUCATION. Board of Education. No. 142 Grand street, Borough of Manhattan. CHARLES BRADLEY HUBBELL, President; A. EMERSON PALMER, Secretary. School Board for the Boroughs of Manhattan and The Bronx. No. 142 Grand street, Borough of Manhattan. CHARLES BRADLEY HUBBELL, President; ARTHUR McMILLIN, Secretary. School Board for the Borough of Brooklyn. No. 114 Livingston street, Brooklyn. J. EDWARD BRONKHORST, President; GEORGE G. BRONX, Secretary. School Board for the Borough of Queens. Flushing, L. I. G. HIRSHLAND LEAVITT, President; JUSTIN H. FERGUSON, Secretary. School Board for the Borough of Richmond. Springfield, Staten Island. FRANK FEARLE, President; FRANKLIN C. YITT, Secretary.

DEPARTMENT OF PARKS. Arsenal Building, Central Park, 9 A. M. to 4 P. M.; Saturdays, 12 M. GEORGE C. CLAUSON, President, Commissioner in Manhattan and Richmond. GEORGE V. BROWER, Commissioner in Brooklyn and Queens. ALBERT MOTTEN, Commissioner in Borough of The Bronx, Zilberstein Mansion, Gramercy Park.

DEPARTMENT OF DOCKS AND FERRIES. Pier "A," N. R., Battery place. J. SHERIDAN COLE, President; CHARLES F. MOSEY, Treasurer; PETER F. MEYER, Commissioner. WILLIAM H. BROWN, Secretary. Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.

DEPARTMENT OF BUILDINGS. Main Office, No. 220 Fourth avenue, Borough of Manhattan. THOMAS J. BRADY, President of the Board of Buildings and Commissioner for the Boroughs of Manhattan and The Bronx. JOHN GILGROVE, Commissioner for the Borough of Brooklyn. DANIEL CARROLL, Commissioner for the Boroughs of Queens and Richmond. A. J. JEFFERSON, Secretary. Office of the Department for the Boroughs of Manhattan and The Bronx, No. 220 Fourth avenue, Borough of Manhattan. Office of the Department for the Borough of Brooklyn, Borough Hall, Borough of Brooklyn. Office of the Department for the Boroughs of Queens and Richmond, Richmond Hall, New Brighton, Staten Island, Borough of Richmond; Branch Office, Room 2, second floor, Town Hall, Jamaica, Long Island, Borough of Queens.

DEPARTMENT OF TAXES AND ASSESSMENTS. Stewart Building, 9 A. M. to 4 P. M.; Saturdays, 12 M. THOMAS L. FEUTNER, President of the Board; EDWARD C. SHERIDAN, ARTHUR C. SALMON, THOMAS J. PATTERSON and WILLIAM GREEN, Commissioners.

BUREAU OF MUNICIPAL STATISTICS. No. 247 Broadway (N. Y. Life Insurance Building), Rooms 2023 and 2024. Office hours from 9 A. M. to 4 P. M.; Saturdays, from 9 A. M. to 12 M. JOHN T. NAGLE, M. D., Chief of Bureau. Municipal Statistical Commission—FREDERICK W. GAFF, LL. D., HARRY PATRICK WHITNEY, THURGOOD N. MOTLEY, JELLEN G. KNEELAND, RICHARD T. WILSON, JR., EMERY HARVEY.

MUNICIPAL CIVIL SERVICE COMMISSION. Criminal Court Building, Centre street, between Franklin and White streets, 9 A. M. to 4 P. M. CHARLES H. KNOX, President, ROBERT K. DAVIS and WILLIAM N. DUNHAM, Commissioners. LES FAHLETT, Secretary.

BOARD OF ASSESSORS. Office, No. 326 Broadway, 9 A. M. to 4 P. M. EDWARD CAHILL, THOMAS A. WILSON, JOHN DELMAR, EDWARD MOORE and PATRICK M. HANFERTY, Board of Assessors.

BOARD OF ESTIMATE AND APPORTIONMENT. The Mayor, Chairman; THOMAS L. FEUTNER (President, Department of Taxes and Assessments), Secretary; the COMPTROLLER, PRESIDENT OF THE COUNCIL, and the CORPORATION COUNSEL, Members; CHARLES V. ADER, Clerk. Office of Clerk, Department of Taxes and Assessments, Stewart Building.

SHERIFF'S OFFICE. Stewart Building, 9 A. M. to 4 P. M. THOMAS J. DUKS, Sheriff; HENRY P. MULVANY, Under-Sheriff.

COMMISSIONERS OF THE SINKING FUND. The Mayor, Chairman; ERIC S. COLES, Comptroller; PATRICK KEESAN, Chamberlain; RANDOLPH GREENBERGER, President of the Council, and ROBERT MITCHELL, Chairman, Finance Committee, Board of Aldermen, Members. EDGAR J. LEVY, Secretary. Office of Secretary, Room No. 11, Stewart Building.

REGISTER'S OFFICE. East side City Hall Park, 9 A. M. to 4 P. M. ISAAC FRUMBER, Register; JOHN VAN GLAN, Deputy Register.

COMMISSIONER OF JURORS. Room 127, Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M. JOHN PURCELL, Commissioner.

SPECIAL COMMISSIONER OF JURORS. No. 121 Fifth avenue. H. W. GRAY, Commissioner.

N. Y. COUNTY JAIL. No. 30 Ludlow street, 9 A. M. to 4 P. M. PATRICK H. PICKETT, Warden.

COUNTY CLERK'S OFFICE. Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M. WILLIAM SCHEMME, County Clerk. GEORGE H. FAIRBANK, Deputy.

THE CITY RECORD OFFICE. And Bureau of Printing, Stationery and Blank Books. No. 2 City Hall, 9 A. M. to 4 P. M., except Saturdays, on which days 9 A. M. to 12 M. WILLIAM A. BUTLER, Supervisor; SOLOM BERRICK, Deputy Supervisor; THOMAS C. COWELL, Deputy Supervisor and Accountant.

NEW EAST RIVER BRIDGE COMMISSION. Commissioners' Office, Nos. 49 and 51 Chambers street, New York, 9 A. M. to 4 P. M. LEWIS NIXON, President; JAMES W. BOYLE, Vice-President; SMITH E. LARK, Secretary; JULIAN D. FAIRBANK, Treasurer; JOHN W. WARD, THOMAS S. MOORE and THE MAYOR, Commissioners. Chief Engineer's Office, No. 34 Broadway, Brooklyn, E. D., 9 A. M. to 4 P. M.

DISTRICT ATTORNEY. New Criminal Court Building, Centre Street, 9 A. M. to 4 P. M. ALFRED GARDNER, District Attorney; WILLIAM J. MCKENNA, Chief Clerk.

CHANGE OF GRADE DAMAGE COMMISSION, TWENTY-THIRD AND TWENTY-FOURTH WARDS. Room 23, Schermerhorn Building, No. 96 Broadway. Meetings, Mondays, Wednesdays and Fridays, at 2 P. M. DANIEL LORD, Chairman; JAMES M. VARNUM, WILLIAM E. STELLINGSMA, Commissioners. LAURENCE MCGLOTHLIN, Clerk.

CORONERS. Borough of Manhattan. Office, New Criminal Court Building. Open at all times of day and night. EDWARD F. FITZPATRICK, JACOB E. BAISCH, EDWARD W. HART, ANTONIO ZOCCA. Borough of the Bronx. ANTHONY MCGRAW, THOMAS M. LYNCH. Borough of Brooklyn. ANTHONY J. BRADEN, GEORGE W. DELAF. Borough of Queens. PHILIP T. CRONIN, DR. SAMUEL S. GOY, JR., LEONARD KAYE, JR., JAMES, L. I. Borough of Richmond. JOHN SEAVEY, GEORGE C. TRANTER.

SURROGATES COURT. New County Court-house, Court opens at 10:30 A. M. adjourns 4 P. M. FRANK T. FITZGERALD and JOHN H. V. ANSOLD, Surrogates; WILLIAM V. LEAVY, Chief Clerk.

EXAMINING BOARD OF PLUMBERS. Rooms 14, 15 and 16 of No. 12, 12 1/2 Church street, Manhattan. JOHN REYNOLDS, Secretary, JOHN E. MCGOVERN, Treasurer, EDWARD HALLAY, HORACE LEONARD, P. J. ANTHONY, ex officio. Meet every Monday, Wednesday and Friday, at 2 P. M.

SUPREME COURT. County Court-house, 10:30 A. M. to 4 P. M. Special Term, Part I., Room No. 12. Special Term, Part II., Room No. 13. Special Term, Part III., Room No. 14. Special Term, Part IV., Room No. 15. Special Term, Part V., Room No. 16. Special Term, Part VI., Room No. 17. Special Term, Part VII., Room No. 18. Special Term, Part VIII., Room No. 19. Special Term, Part IX., Room No. 20. Naturalization Bureau, Room No. 24. Judges—ABRAHAM R. LAWRENCE, CHARLES H. LEVY, CHARLES F. MACLEOD, FREDERICK SAYRE, JOSEPH F. DALY, MALCOLM BRADY, ROBERT A. PLYOR, LEONARD A. GREENBERG, HENRY W. BROOKHUISER, HENRY HENNING, JR., JOHN J. FINEGAN, WILLIAM N. COHEN, P. HENRY DUNN, DAVID McADAM, HENRY R. BRIDGES, HENRY A. GILLESPIE, FRANK M. SCOTT, WILLIAM SCHEMME, Clerk.

CITY COURT. Brown-stone Building, City Hall Park. General Term. Trial Term, Part I. Part II. Part III. Part IV. Special Term Chambers will be held 10 A. M. to 4 P. M. Clerk's Office, Brown-stone building, No. 32 Chambers street, 9 A. M. to 4 P. M. JAMES M. FITZGERALD, Chief Justice; JOHN H. MCCARTHY, LEWIS J. CONLAN, EDWARD F. O'DWYER, JOHN P. SCHUCHMAN and W. M. E. OLGOTT, Justices; THOMAS F. SMITH, Clerk.

COURT OF SPECIAL SESSIONS. Building for Criminal Courts, Centre street, between Franklin and White streets, Borough of Manhattan. Court opens at 10 A. M. Justices, First Division—ELIAB B. HERRDALL, WILLIAM TRAVERS JENNIE, ERNEST A. JACOB, JOHN HAYES, WILLIAM C. HOLBROOK, WILLIAM M. FULLER, Clerk; JOSEPH H. JONES, Deputy Clerk. Clerk's office open from 9 A. M. to 4 P. M. Second Division—Trial days—through Hall, Brooklyn, Mondays, Wednesdays and Fridays, at 10 o'clock; Town Hall, Jamaica, Borough of Queens, Tuesdays, at 10 o'clock; Town Hall, New Brighton, Borough of Richmond, Thursdays, at 10 o'clock. Justices, JOHN COUGHERY, HOWARD J. FORKES, JOHN L. DRYAN, JOHN FLEMING, THOMAS W. FITZGERALD, JOSEPH L. KEOGHAN, Clerk; CHARLES F. WOOD, Deputy Clerk. Clerk's office, Borough Hall, Borough of Brooklyn open from 9 A. M. to 4 P. M.

COURT OF GENERAL SESSIONS. Held in the building for Criminal Courts, Centre, Elm, White and Franklin streets. Court opens at 10 o'clock.

RUFUS B. COVING, City Judge; JAMES FITZGERALD, Judge of the Court of General Sessions; JOHN W. GORR, Recorder; JUSTIN E. NEWBORN and MERRILL T. McMAHON, Judges of the Court of General Sessions; JOHN F. CARROLL, Clerk. Clerk's office open from 10 A. M. to 4 P. M.

Supreme Court, Part I, Criminal Trial Term. Held in the building for Criminal Courts. Court opens at 10:30 A. M. JOHN F. CARROLL, Clerk. Hours from 10 A. M. to 4 P. M.

APPELLATE DIVISION, SUPREME COURT. Court-house, No. 121 Fifth avenue, corner Eighteenth street. Court opens at 1 P. M. CHARLES H. VAN BRUNT, Presiding Justice; GEORGE C. BARRETT, CHRISTOPHER B. McLAUGHLIN, EDWARD PATTERSON, MORRIS J. O'BRIEN, GEORGE L. INGRAM, WILLIAM REMMY, Justices. ALFRED WAGSTAFF, Clerk. WM. LAMB, JR., Deputy Clerk.

CRIMINAL DIVISION, SUPREME COURT. New Criminal Court Building, Centre street. Court opens at 10:30 o'clock A. M. JOHN F. CARROLL, Clerk. Hours from 10 A. M. to 4 P. M.

CITY MAGISTRATES' COURTS. Courts open from 9 A. M. until 4 P. M. City Magistrate—HENRY A. BRANN, ROBERT C. CORNELL, LUDWIG B. CRANE, JOSEPH M. DEVAL, CHARLES A. FLAMMER, HERMAN C. KUDICH, CLARENCE W. MEADE, JOHN O. MOTT, JOSEPH POOL, CHARLES K. SIMMS, JR., THOMAS F. WENTWORTH, W. H. OLMSTRAD, ERIC DUNBAR, Secretary. First District—Criminal Court Building. Second District—Jefferson Market. Third District—No. 63 Essex street. Fourth District—Fifty-seventh street, near Lexington avenue. Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place. Sixth District—One Hundred and Fifty-eighth street and Third avenue. Seventh District—Fifty-fourth street, west of Eighth avenue.

Second Division, Borough of Brooklyn. First District—No. 328 Adams street. JAMES BRANN, Magistrate. Second District—Centre and Butler streets. HENRY BARON, Magistrate. Third District—Myrtle and Vanderbilt avenues. CHARLES E. THAYER, Magistrate. Fourth District—Nos. 6 and 2 Lee avenue. WILLIAM KRANER, Magistrate. Fifth District—Ewen and Powers streets. ANDREW LEBER, Magistrate. Sixth District—Gates and Reid avenues. LEWIS R. WADSWORTH, Magistrate. Seventh District—No. 31 Grant street, Flatbush. ALFRED E. STERN, Magistrate. Eighth District—Coney Island. J. LOFT NORRIS, Magistrate.

Borough of Queens. First District—Nos. 22 and 25 Jackson avenue, Long Island City. MATTHEW J. SMITH, Magistrate. Second District—Building Long Island. LOUIS J. DOUGHERTY, Magistrate. Third District—Via Rockaway, Long Island. EDWARD J. HAYES, Magistrate.

Borough of Richmond. First District—New Brighton, Staten Island. JOHN CLARKE, Magistrate. Second District—Stapleton, Staten Island. NATHANIEL MANNING, Magistrate. Secretary to the Board, CHARLES H. CHATEL, Myrtle and Vanderbilt avenues, Borough of Brooklyn.

MUNICIPAL COURTS. Borough of Manhattan. First District—Third, Fifth and Eighth Wards, and all that part of the First Ward lying west of Broadway and Whitehall street, including Governor's Island, Bedloe's Island, Ellis Island and the Oyster Islands. Court-room, No. 22 Chambers street (Brown Stone Building). WARDEN LYONS, Justice. FRANK L. BACON, Clerk. Clerk's Office open from 9 A. M. to 4 P. M. Second District—Second, Fourth, Sixth and Fourteenth Wards, and all that portion of the First Ward lying south and east of Broadway and Whitehall street. Court-room, corner of Grand and Centre streets. HARMAN BOLTON, Justice. FRANCIS MANNING, Clerk. Clerk's Office open from 9 A. M. to 4 P. M. Third District—Ninth and Fifteenth Wards. Court-room, southwest corner Sixth avenue and West Tenth street. Court opens daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M. W. F. MOORE, Justice. DANIEL WILLIAMS, Clerk. Fourth District—Tenth and Seventeenth Wards. Court-room, No. 30 First street, corner Second avenue. Court opens 9 A. M. daily, and remains open to close of business. GEORGE F. ROMICK, Justice. JOHN E. LYNCH, Clerk. Fifth District—Seventh, Eleventh and Thirteenth Wards. Court-room, No. 124 Clinton street. HENRY M. GOLDBROOK, Justice. JONATHAN HAYES, Clerk. Sixth District—Eighteenth and Twenty-first Wards. Court-room, northwest corner Twenty-third street and Second avenue. Court opens 9 A. M. daily, and continues open to close of business. DANIEL F. MARTIN, Justice. ABRAHAM BERNARD, Clerk. Seventh District—Nineteenth Ward. Court-room, No. 157 East Fifty-seventh street. Court opens every morning at 9 o'clock (except Sundays and legal holidays), and continues open to close of business. JOHN B. MCKEAN, Justice. PATRICK McDAVITT, Clerk. Eighth District—Sixteenth and Twentieth Wards. Court-room, northwest corner Twenty-third street and Eighth avenue. Court opens at 9 A. M. and continues open to close of business. Clerk's office open from 9 A. M. to 4 P. M. each Court day. Trial days, Wednesdays, Fridays and Saturdays. Return days, Tuesdays, Thursdays and Sundays. JOSEPH H. STRAZ, Justice. THOMAS COSTRMAN, Clerk. Ninth District—Twelfth Ward, except that portion thereof which lies west of the centre line of Lenox or Sixth avenue, and of the Harlem river north of the terminus at Lenox avenue. Court-room, No. 190 East One Hundred and Twenty-first street, southeast corner of Sylvan place. Court opens every morning at 9 o'clock (except Sundays and legal holidays), and continues open to close of business. JOSEPH P. FALLON, Justice. WILLIAM J. KENNEDY, Clerk. Clerk's office open daily from 9 A. M. to 4 P. M. Tenth District—Twenty-second Ward and all that portion of the Twelfth Ward which is bounded on the north by the centre line of One Hundred and Tenth street, on the south by the centre line of Eighty-sixth street, on the east by the centre line of Sixth avenue, and on the west by the North river. Court-room, No. 318 West Fifty-fourth street. Court opens daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M. JAMES A. O'CONNOR, Justice. JAMES J. GALLIGAN, Clerk. Eleventh District—That portion of the Twelfth Ward which lies north of the centre line of West One Hundred and Tenth street and west of the centre line of Lenox or Sixth avenue, and of the Harlem river north of the terminus of Lenox or Sixth avenue. Court-room, corner of One Hundred and Twenty-sixth street and Columbus avenue. Court opens daily (Sundays and legal holidays excepted), from 10 A. M. to 4 P. M. FRANCIS J. WOODWARD, Justice. ALONZO N. DOWSE HUNT, Clerk.

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 1034 of the Laws of 1895...

JOHN M. TIERNEY, Justice. Borough of Brooklyn. First District—Comprising First, Second, Third, Fourth, Fifth, Sixth, Tenth and Twelfth Wards of the Borough of Brooklyn.

JACOB NEU, Justice. EDWARD MURAN, Clerk. Clerk's Office open from 9 a. m. to 4 p. m. Second District—Seventh, Eighth, Ninth, Eleventh, Twentieth, Twenty-first, Twenty-second and Twenty-third Wards. Court-room located at No. 794 Broadway, Brooklyn.

GERARD H. VAN WARE, Justice. WILLIAM H. ALLEN, Chief Clerk. Clerk's office open from 9 a. m. to 4 p. m. Third District—Includes the Thirteenth, Fourteenth, Fifteenth, Sixteenth, Seventeenth, Eighteenth and Nineteenth Wards. Court-house, Nos. 6 and 8 Lee avenue, Brooklyn.

WILLIAM SCHMITZPAHN, Justice. CHARLES A. CONRADY, Clerk. Clerk's office open from 9 a. m. to 4 p. m. Court opens at 10 o'clock.

Fourth District—Twenty-fourth, Twenty-fifth, Twenty-sixth, Twenty-seventh and Twenty-eighth Wards. Court-room, No. 14 Howard avenue. ADOLPH H. GOETTSCH, Justice. HERMAN GOELZBOMER, Clerk; JAMES P. SINDOTT, Assistant Clerk.

Clerk's office open from 9 a. m. to 4 p. m. Fifth District—Twenty-ninth, Thirtieth, Thirty-first and Thirty-second Wards. Court-room on Bath avenue and Bay Twenty-second street, Bath Beach. CORNELIUS FURCHGROSS, Justice. JEREMIAH J. O'LEARY, Clerk.

Clerk's office open from 9 a. m. to 4 p. m. Borough of Queens. First District—First Ward (all of Long Island City, formerly comprising five Wards). Court-room, Queens County Court-house (local jurisdiction).

THOMAS C. KADLER, Justice. THOMAS F. KENNEDY, Clerk. Clerk's office open from 9 a. m. to 4 p. m. each week day. Court held each day, except Saturday.

Second District—Second and Third Wards, which includes the territory of the late Towns of Newtown and Flushing. Court-room in Court-house of late Town of Newtown, corner of Broadway and Court street, Elmhurst, New York. P. O. address, Elmhurst, New York.

WILLIAM T. MONTVERDRE, Justice. HENRY WALTER, Jr., Clerk. Clerk's office open from 9 a. m. to 4 p. m.

Third District—JAMES F. McLEOD, Jr., Borough of Richmond. First District—First and Third Wards (Downs of Castleton and Northfield). Court-rooms, Jenner Village Hall, Lafayette avenue and Second street, New Brighton.

JOHN J. KESSEY, Justice; FRANCIS F. LESLIE, Clerk. Court office open from 9 a. m. to 4 p. m. Court held each day, except Saturday, from 9 a. m.

Second District—Second, Fourth and Fifth Wards (Towns of Middlesex, Southfield and Westfield). Court-room, former Elmhurst Village Hall, Stapleton Park, Stapleton.

ALBERT REYNOLDS, Justice; PETER TIERNEY, Clerk. Court office open from 9 a. m. to 4 p. m. Court held each day from 9 a. m. and continues until close of business.

OFFICIAL PAPERS.

MORNING—"MORNING JOURNAL," "TELEGRAPH." Evening—"Daily News," "Evening Sun," Weekly—"Weekly Union," "Irish American," German—"Morgen Journal." WILLIAM A. BUTLER, Superintendent, City Record.

BOROUGH OF BROOKLYN.

I HAVE RECEIVED THE FOLLOWING petitions, which are now on file in my office for inspection, and will submit them to the Local Board of the Sixth District on Friday, October 14, 1898, at 4.30 p. m., in the office of the President of the Borough, Room 1, Borough Hall:

- Fifth street, construction of sewer, from Prospect Park, West, to connect with sewer in Coney Island avenue. Carroll street, repaving Carroll street with asphalt, from Sixth avenue to Seventh avenue. President street, repaving with asphalt, between Sixth and Seventh avenues. Park place, repaving with asphalt, between Washington and Underhill avenues. Pacific street, fencing vacant lot on the south side of Pacific street, between Carlton and Sixth avenues, known as Lot No. 99, Block 15, Ninth Ward Map. Fourth avenue, fencing vacant lots on the east side of Fourth avenue, between Fifth and Sixth streets, known as Lots Nos. 1 and 104, Block 15, Twenty-second Ward Map. Second street, flagging sidewalks on the south side of Second street, between Sixth and Seventh avenues, in front of Lots Nos. 21 to 26 inclusive, Block 40, Twenty-second Ward Map. Seventh avenue, flagging sidewalk on the east side of Seventh avenue, between Nineteenth and Twentieth streets, in front of Lots known as Nos. 20 to 26, inclusive, Block 127, Twenty-second Ward Map. Berkeley place, fencing vacant lots on the north side of Berkeley place, between Fifth and Sixth avenues, known as Lots Nos. 27 and 28, Block 95, Ninth Ward Map. Sackett street, fencing lot on the north side of Sackett street, between Fourth and Fifth avenues, known as Lots Nos. 127 and 128, Block 81, Ninth Ward Map. St. John's place, fencing vacant lots on the south side of St. John's place, between Washington and Classon avenues, known as Lots Nos. 12 and 13, Block 48, Ninth Ward Map. Degraw street, fencing vacant lots on the north side of Degraw street, between Classon and Washington avenues, known as Lots Nos. 12, and 35 to 44, inclusive, and Lot No. 1, Block 48, Ninth Ward Map. Washington avenue, fencing vacant lots on the east side of Washington avenue, between Degraw street and St. John's place, known as Lots Nos. 1 to 8, inclusive, Block 48, Ninth Ward Map. Twentieth street, flagging sidewalk on the north side of Twentieth street, between Seventh and Eighth avenues, in front of Lots Nos. 20 to 29, inclusive, Block 125, Twenty-second Ward Map. Nineteenth street, flagging sidewalks on the south side of Nineteenth street, between Seventh and Eighth avenues, in front of Lots Nos. 30 to 42, inclusive, Block 125, Twenty-second Ward Map. EDWARD M. GROUT, President, Borough of Brooklyn.

BOROUGH OF MANHATTAN.

OFFICE PRESIDENT OF THE BOROUGH OF MANHATTAN, 1 New York, October 3, 1898. NOTICE IS HEREBY GIVEN IN ACCORDANCE with section 408 of the Charter of the City of New York, that a communication from the

Department of Highways as to the dangerous condition of the vacant lots on the south side of One Hundred and Forty-fourth street, about 125 feet west of Eighth avenue, and extending westward 20 feet, have been filed in this office, and are now ready for public inspection, and that a meeting of the Local Board of the Nineteenth District for Local Improvements will be held in the Borough Office, City Hall, on the 11th day of October, 1898, at 12 o'clock, at which meeting said petitions will be submitted to the Board.

AUGUSTUS W. PETERS, President. I. E. RIDER, Secretary.

OFFICE PRESIDENT OF THE BOROUGH OF MANHATTAN, 1 New York, October 3, 1898.

NOTICE IS HEREBY GIVEN IN ACCORDANCE with section 408 of the Charter of the City of New York, that petitions signed by residents of the Nineteenth District for Local Improvements, change of grade of Kingsbridge avenue, from intersection of Wicker place and running north 950 feet to intersection of Terrace View avenue, have been filed in this office, and are now ready for public inspection, and that a meeting of the Local Board of the Nineteenth District for Local Improvements will be held in the Borough Office, City Hall, on the 11th day of October, 1898, at 12 o'clock, at which meeting said petitions will be submitted to the Board.

AUGUSTUS W. PETERS, President. I. E. RIDER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION OF THE CITY OF NEW YORK. GEORGE ELM, FRANKLIN AND WHITE STREETS, NEW YORK, September 13, 1898.

PUBLIC NOTICE IS HEREBY GIVEN THAT competitive examinations will be held at the office of this Commission for the following positions, upon the dates specified:

Wednesday, October 5 OFFICE BOY. Spelling, dictation, writing, arithmetic, letter-writing. LEE PHILLIPS, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, New York, September 23, 1898.

Hon. ROBERT A. VAN WYCK, Mayor of the City of New York.

DEAR SIR:—At a meeting of the Municipal Civil Service Commission, held July 29, 1898, it was

RESOLVED, THAT SCHEDULE B OF THE classification of positions in the Council be amended by adding therein "Engineering Clerk."

Resolved, That schedule D, Part I, of the classification of positions in the Health Department be amended by striking therefrom the following: Assistant Chief Inspector of Contagious Diseases, Medical School Inspector, Pathologist and Director of Bacteriological Laboratory, Assistant Pathologist, Sanitary Inspector (Medical), Medical Inspector, Vaccinator, Veterinarian.

Resolved, That Schedule "E" of the classification of positions in the Health Department be amended by including therein the following: Diagnostician, Assistant Chief Inspector of Contagious Diseases, Medical School Inspector, Pathologist and Director of Bacteriological Laboratory, Assistant Pathologist, Sanitary Inspector (Medical), Medical Inspector, Vaccinator, Veterinarian.

Your approval of the foregoing amendments is respectfully requested.

(Signed) LEE PHILLIPS, Secretary. New York, September 23, 1898.

The foregoing amendments are hereby approved. (Signed) ROBERT A. VAN WYCK, Mayor.

BOARD OF ESTIMATE AND APPORTIONMENT.

BOARD OF ESTIMATE AND APPORTIONMENT, New York, September 23, 1898.

NOTICE TO TAXPAYERS.

AT A MEETING OF THE BOARD OF ESTIMATE AND APPORTIONMENT, held this day, the following resolutions were adopted:

Resolved, That this Board does hereby designate Tuesday, the 11th day of October, 1898, at eleven o'clock in the forenoon, at the office of the Mayor, as the time and place for the commencement of the consideration of the Budget for 1899, and that notice thereof, duly signed by the Secretary, be published in the City Record, inviting the taxpayers of this city to appear and be heard as that date in regard to appropriations to be made and included in said Budget.

CHAS. V. ADEE, Clerk.

DEPARTMENT OF SEWERS.

DEPARTMENT OF SEWERS—COMMISSIONER'S OFFICE, Nos. 205 and 207 Broadway, October 3, 1898.

TO CONTRACTORS.

BIDS OR ESTIMATES INCLOSED IN A sealed envelope, with the title of the work and the name of the bidder inclosed thereon, will be received at this office until

WEDNESDAY, OCTOBER 19, 1898, at 12 o'clock p. m., when they will be publicly opened and read, for

CONSTRUCTING A TEMPORARY PRIVATE SEWER IN EIGHTEENTH AVENUE, BETWEEN FIFTY-SEVENTH AND SEVENTY-FIFTH STREETS, for the drainage of the Disciplinary Training School.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact; 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or in the work to which it relates or in any portion of the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for his faithful performance, and that if he shall refuse or neglect to execute the same they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either 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 security required for the faithful performance of the contract. Such check or money must not be inclosed in a sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of the deposit will be returned to him.

THE COMMISSIONER OF SEWERS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED, IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bids or estimates, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at the office of the Deputy Commissioner of Sewers, Municipal Building, Borough of Brooklyn. JAS. KANE, Commissioner of Sewers.

DEPARTMENT OF FINANCE.

NOTICE TO TAXPAYERS. DEPARTMENT OF FINANCE, BUREAU FOR THE COLLECTION OF TAXES, No. 27 CHAMBERS STREET (STEWART BUILDING), New York, October 3, 1898.

NOTICE IS HEREBY GIVEN THAT THE Assessment-roll of Real Estate, Personal Property and Bank Stock of the Boroughs of Manhattan and The Bronx, in the City of New York, for the year 1898, and the warrants for the collection of taxes, have been delivered to the undersigned, and that all the taxes on said assessment-rolls are now due and payable at the offices of the Receiver of Taxes, No. 27 Chambers street, in the Borough of Manhattan, and Third avenue and One Hundred and Seventy-seventh street, in the Borough of The Bronx, respectively.

In case of payment on or before the 1st day of November next, the person so paying shall be entitled to the benefits mentioned in section 112 of the Greater New York Charter, chapter 288, Laws of 1897, viz.: A deduction of interest at the rate of six per cent. per annum between the day of such payment and the 1st day of December next.

DAVID E. AUSTEN, Receiver of Taxes.

INTEREST ON CITY BONDS AND STOCKS.

THE INTEREST DUE NOVEMBER 1, 1898, ON THE Registered Bonds and Stocks of the City of New York, which have been certified to be valid obligations of said city, will be paid on that day by the Comptroller at his office in the Stewart Building, corner of Broadway and Chambers street (Room 27).

The Transfer Books will be closed from September 30 to November 1, 1898.

The interest due November 1, 1898, on the Coupon Bonds and Stocks of the former City of New York will be paid on that day by the Knickerbocker Trust Company, No. 66 Broadway.

BIRD S. COLER, Comptroller. THE CITY OF NEW YORK—DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, September 14, 1898.

DEPARTMENT OF DOCKS AND FERRIES.

PUBLIC NOTICE OF UNCLAIMED TRUCKS, WAGONS AND CARTS.

PURSUANT TO THE PROVISIONS OF SECTION 83 of the Greater New York Charter, public notice is hereby given that there are now and have been for six months prior to the first of July, 1898, stored in the Dock of the Department of Docks and Ferries at the foot of West Twenty-eighth street, in the Borough of Manhattan, in the City of New York, the following Trucks, Wagons and Carts, to wit:

- Lot 1. Ice Wagon marked James Maguire, No. 157 West Nineteenth street. 2. Coal Cart marked 71. 3. Coal Cart marked Adolph private ash. 4. Ice Wagon marked D. E. Harrington, No. 207 Washington street. 5. Cart marked No. 11011. 6. Double Truck marked No. 3223. 7. Double Truck, no mark. 8. Dier Cart marked No. 7913. 9. Coal Cart marked No. 181. 10. Single Truck marked No. 209. 11. Coal Cart marked No. 11. 12. Ice Wagon marked A. M. Parker, No. 390 West Twelfth street. 13. Single Wagon marked Merchandise No. 1268. 14. Double Truck marked No. 12425. 15. Double Truck marked No. 307 Spring street, No. 4167. 16. Dirt Cart marked No. 2075. 17. Double Truck, no number. 18. Single Wagon marked Windsor Terrace, No. 104. 19. Double Truck marked No. 3194. 20. Peddler Wagon marked Merchandise No. 2327. 21. Single Truck, no mark. 22. Single Ice Wagon marked Merchandise No. 1792. 23. Double Truck, no mark. 24. Double Wagon marked No. 2015. 25. Peddler Wagon marked Merchandise Nos. 1223 and 1272. 26. Express Wagon marked No. 568. 27. 2 Coal Carts, no marks. 28. Double Wagon marked Merchandise No. 3454. 29. Double Truck marked No. 216 Franklin street. 30. Coal and Ice Wagon marked No. 812. 31. Peddler Wagon marked Merchandise Nos. 4059 and 4075. 32. Single Truck marked A. Cohen, No. 4 Bayard street, No. 3862. 33. Double truck marked No. 8295. 34. Double covered wagon marked Kreite, no number. 35. Double Trucks, no mark. 36. Double Truck marked No. 2911. 37. Double Truck marked Martin & Co., No. 45 Horatio street. 38. Express Wagon marked R. H. Knowles, Pier 26, North river. 39. Ice and Coal Wagon marked Merchandise, Nos. 4108 and 3995. 40. Double Truck marked No. 4247. 41. Coal Cart, no number. 42. Double Truck, no number. 43. Coal and Ice Wagon marked Ira K. Smith, Merchandise No. 2662.

- Lot 44. Double Truck, no number. 45. Milk Wagon marked J. T. Hill, No. 447 Bleecker street. 46. Double Truck, no number. 47. Double Truck marked Star Perfumery Company, No. 81 Grand street, No. 10181. 48. Express Wagon marked Schultz, City Express, No. 285. 49. Double Truck marked E. J. Clark, No. 472 Centre street, No. 7025. 50. Double Truck marked Burke's No. 4 Public Truck. 51. Ice Wagon marked Hudson River No. 2. 52. Coal Cart marked No. 6297. 53. Coal Cart, no number. 54. Single Wagon, no number. 55. Double Truck marked No. 5284. 56. Double Truck marked No. 2004. 57. Single Truck marked D. C. No. 1266. 58. Double Truck marked No. 17229, William Murphy, No. 172 West Broadway. 59. Single Truck marked J. A. Joyce, No. 513 Water street, No. 7775. 60. Single Truck marked No. 2695. 61. Double Truck marked No. 9170. 62. Double Truck marked No. 212,000 Room. 63. Double Truck marked No. 3275. 64. Grocery Wagon marked G. G. Thojen, No. 213 West Twenty-ninth street, No. 11728. 65. Butcher Cart marked Henry Peters, No. 473 Tenth avenue. 66. Coal Wagon marked Merchandise No. 1737. 67. Shed Wagon marked No. 95 Hudson street, No. 2033. 68. Peddler Wagon marked Merchandise No. 2411. 69. Express Wagon marked Murray's, No. 6 BATTERY PLACE. 70. Peddler Wagon marked B. D., No. 643 East Eighty-fifth street. 71. Furniture Wagon, marked No. 207 West Fifty-second street, J. T. Davis. 72. Express Wagon marked Nos. 2222 and 1222. 73. Peddler Wagon marked Merchandise No. 7708. 74. Double Truck marked No. 32. 75. Single Truck, marked No. 69. 76. Coal Cart, no number. 77. Ice Wagon marked J. W. Jeffers, No. 29 Lenox street. 78. Coal Truck marked A. Witt, No. 6 Union Hill, N. J. 79. Double Truck marked No. 184 Franklin street. 80. C. C. and Ice Wagon marked No. 1555. 81. Coal Cart marked No. 699. 82. Double Truck, marked L. H. Nos. 207 and 209 Franklin street. 83. Peddler Wagon, no number. 84. Peddler Wagon marked Brooklyn Nos. 237 and 2478. 85. Coal Cart marked J. McHernon, no number. 86. Coal Cart marked No. 1001. 87. Single Truck, no number. 88. Shed Wagon, no number. 89. Coal Cart, no number. 90. Coal Cart, no number. 91. Coal Cart, no number. 92. Single Truck marked No. 817. 93. Double Truck marked No. 109, E. C. M. T. A. 94. Single Truck marked No. 1275. 95. Coal Cart marked No. 285 D. C. 96. Shed Wagon marked No. 102 Canal street, No. 1174.

Notice is hereby given to any and all persons claiming to own or owning the same that the same may be obtained at any time within three months from and after the 30th day of October, 1898, upon furnishing to the Board of Docks, at its office, Pier "A," North river, Battery place, Borough of Manhattan, in the City of New York, proof of ownership of any such trucks, wagons and carts, and upon payment to the Board of Docks of the expenses which have been incurred in connection therewith.

Further notice is hereby given that unless such trucks, wagons or carts are reclaimed and the expenses incurred in connection therewith are paid to the Board of Docks on or before the 10th day of January, 1899, the Board of Docks will, after further advertisement, sell such trucks, wagons or carts at public auction to the highest bidder to pay the expenses which have been incurred in connection therewith.

By order of the Board of Docks under a resolution adopted New York, September 27, 1898.

Printed New York, September 25, 1898. J. SERGEANT CRAM, CHARLES P. MURPHY, PETER F. MEYER, Commissioners.

MUNICIPAL COURTS.

NOTICE TO THE PUBLIC.

THE BUSINESS OF THE FIRST DISTRICT Municipal Court, Borough of Manhattan, Justice Waughoe Lynns presiding, will be conducted up to October 1 at No. 1 Chambers street; but after October 1 all business will be conducted at the New Court-house, No. 101 Prince street, corner of Waver street, New York.

WAUGHOE LYNS, Justice.

DEPARTMENT OF STREET CLEANING.

PERSONS HAVING BULKHEADS TO FILL IN the vicinity of New York Bay, can procure material for that purpose—stones, street sweepings, etc., such as is collected by the Department of Street Cleaning—free of charge, by applying to the Commissioner of Street Cleaning, 306 Broadway, Borough of Manhattan. JAMES McARTNEY, Commissioner of Street Cleaning.

CORPORATION NOTICE.

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 THE BRONX. List 2910, No. 1. Regulating, grading, curbing, flagging and laying crosswalks in Bailey avenue, from the south side of Kingsbridge road to the north side of Boston avenue (together with a list of awards for damages caused by change of grade). Borough of MANHATTAN. List 5623, No. 2. Regulating, grading, curbing and flagging Forty-eighth street, from Eleventh to Twelfth avenue. List 5649, No. 3. Sewer in Eighth avenue, west side, between One Hundred and Forty-eighth and One Hundred and Fifty-first streets, and in One Hundred and Forty-eighth street, between Eighth and Broadway avenues, with curves in One Hundred and Forty-ninth and One Hundred and Fiftieth streets. List No. 5658, No. 4. Sewers in Lexington avenue, east and west sides, between Fifty-fifth and Fifty-sixth streets. List 5660, No. 5. Sewer in One Hundred and Eighty-sixth street, between Amsterdam and Eleventh avenues. List 5661, No. 6. Sewers in Blydenham street, between Harlem River Drive and Kingsbridge road. The limits within which it is proposed to lay the said assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on— No. 1. Both sides of Bailey avenue, from the south

side of Kingsbridge road to the north side of Boston avenue, and to the extent of half the block at the intersection of Kingsbridge road and Boston avenue.

No. 2. East side of Forty-eighth street, from Broadway to Third avenue, and to the extent of half the block at the intersection of streets.

No. 3. West side of Eighth avenue from the Hudson and Forty-eighth streets to a point fifteen feet east of the Hudson and Forty-eighth streets; east side of Madison avenue from the Hudson and Forty-eighth streets to the Hudson and Fifty-first streets; both sides of One Hundred and Forty-eighth street, from the Hudson and Forty-eighth streets to the Hudson and Fifty-first streets; both sides of One Hundred and Forty-ninth street, from the Hudson and Forty-eighth streets to the Hudson and Fifty-first streets.

No. 4. Both sides of Madison avenue from Fifty-fifth to Fifty-sixth streets, and both sides of Fifty-sixth street from Lexington to Park avenue.

No. 5. Both sides of One Hundred and Eighty-seventh street, from Lexington to Broadway avenue, extending one block from the north and south sides of said street; west side of Broadway avenue, from One Hundred and Eighty-seventh street to the Hudson and Eighty-seventh streets; and south side of the Hudson and Eighty-seventh street extending about one block west of Amsterdam avenue.

No. 6. Both sides of Broadway avenue, from Kingsbridge road to Harlem River Drive, and both sides of Madison avenue, from Kingsbridge road to Hyde park street.

All persons whose interests are affected by the above-named proposed amendments and who are opposed to the same, or whose interests are not represented by their attorneys, or residing in the territory of the Board of Assessors, No. 25 Broadway, New York, or in any other place, should file their objections with the Board of Assessors, No. 25 Broadway, New York, on or before November 11, 1898, at which time and place the said objections will be heard and testimony received in reference thereto.

EDWARD MOORE,
TOWARD MOORE,
THOMAS WILSON,
JOHN H. MARR,
PATRICK W. HANLEY,
Board of Assessors.

WILLIAM H. JAMES,
Secretary,
No. 25 Broadway,
City of New York, Borough of Manhattan,
September 24, 1898.

PUBLIC NOTICE IS HEREBY GIVEN TO THE several residents of all persons who are interested in the proposed amendments to the Board of Assessors, No. 25 Broadway, New York, or in any other place, should file their objections with the Board of Assessors, No. 25 Broadway, New York, on or before November 11, 1898, at which time and place the said objections will be heard and testimony received in reference thereto.

BOARD OF MANHATTAN

That the No. 1. Sewer in the city streets, extending between the Hudson and Fourth and the Hudson and Forty-eighth streets.

That the No. 2. Sewer in Washington street, between King and Broadway streets.

That the No. 3. Sewer in the city streets, extending between Madison Avenue and Union Park, West.

That the No. 4. Sewer in the city streets, extending between One Hundred and Twenty-seventh and One Hundred and Forty-eighth streets, and between One Hundred and Forty-ninth and One Hundred and Fifty-first streets.

That the No. 5. Sewer in Avenue C, between Second and Fourth streets.

The Board of Assessors, No. 25 Broadway, New York, or in any other place, should file their objections with the Board of Assessors, No. 25 Broadway, New York, on or before November 11, 1898, at which time and place the said objections will be heard and testimony received in reference thereto.

No. 1. West side of Seventh avenue, from One Hundred and Fourth to One Hundred and Forty-fifth streets.

No. 2. Both sides of Washington street, extending to Broadway street.

No. 3. Both sides of Madison Avenue, between Canal Park, West and Broadway, and between Broadway and Union Park, West.

No. 4. West side of Seventh Avenue, from One Hundred and Forty-fifth to One Hundred and Forty-seventh streets.

No. 5. Both sides of Avenue C, between Second and Fourth streets.

All persons whose interests are affected by the above-named proposed amendments and who are opposed to the same, or whose interests are not represented by their attorneys, or residing in the territory of the Board of Assessors, No. 25 Broadway, New York, or in any other place, should file their objections with the Board of Assessors, No. 25 Broadway, New York, on or before November 11, 1898, at which time and place the said objections will be heard and testimony received in reference thereto.

EDWARD MOORE,
TOWARD MOORE,
THOMAS WILSON,
JOHN H. MARR,
PATRICK W. HANLEY,
Board of Assessors.

WILLIAM H. JAMES,
Secretary,
No. 25 Broadway,
City of New York, Borough of Manhattan,
September 24, 1898.

DAMAGE COMM.—23-24 WARDS.

PURSUANT TO THE PROVISIONS OF CHAPTER 532 OF THE LAWS OF 1894, entitled "An act providing for assessing and paying the amount of damages in lands and buildings caused by the construction of streets or avenues, and the amount of damages in lands and buildings caused by the construction of railroad tracks in the Twenty-third and Twenty-fourth Wards, in the City of New York, or elsewhere," and the acts amendatory thereto and supplemental thereto, notice is hereby given that public meetings of the Commissioners, appointed pursuant to said acts, will be held at Room 36, Suburban Hotel Building, No. 36 Broadway, in the City of New York, on Monday, Wednesday and Friday of each week, at 2 o'clock p. m., until further notice.

Dated New York, October 30, 1897.
DANIEL LUDWIG, JAMES M. VARNUM, WILLIAM E. STILLINGS, Commissioners.
Lester McLaurin, Clerk.

DEPARTMENT OF PARKS.

DEPARTMENT OF PARKS,
ARSENAL, CENTRAL PARK,
Borough of Manhattan, City of New York,
September 24, 1898.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES, WITH THE plans of the work and the name of the bidder or bidders indicated thereon, will be received by the Park Board, at its office, Arsenal Building, Sixty-fourth street and Fifth Avenue, Central Park, New York City, until 12 o'clock a. m. of

THURSDAY, OCTOBER 13, 1898.

for the following work in the Borough of Manhattan: FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON PRESENT MACADAM PAVEMENT, THE CAR-RIAGEWAY OF "THE PLAZA" AT FIFTY-NINTH STREET AND FIFTH AVENUE, IN THE CITY OF NEW YORK.

The Engineer's estimate of the work to be done and by which the bids will be tested, is as follows:
[1] 7,700 square yards of pavement of asphalt;

or level feet of new limestone curb, straight and curved, 2 inches thick, in finish and set.

No. 2.—As the above-mentioned quantities, though stated with as much accuracy as is possible in advance, are approximate only, bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

Bidders are particularly cautioned that in no case will they be permitted to use under bids in their estimates, or in any other manner, any other quantities than those specified in the contract, and also that a provision in the contract requires the maintenance of the agreement in good condition for the period of two years from the date of completion and acceptance thereof, and that the bidder is to be held responsible for the maintenance of the work for said maintenance for the period of two years.

The time allowed for the completion of the whole work will be twenty consecutive working days.

It being understood that the time so allowed refers to consecutive working days, and not to the aggregation of such days as may be appointed on the work, and the damages to be paid by the contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are, by a clause in the contract, fixed and liquidated at Twenty Dollars per day. See paragraph 12 of the contract.

The successful bidder will be strictly held to the time allowed for the completion of the work and to the conditions of the specifications.

Bidders must satisfy themselves by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not at any time after the submission of an estimate, dispute or complain of such estimate, or estimate, nor assert that there was any misunderstanding in regard to the depth or character of the excavation to be made or the nature or amount of the work to be done.

Bidders will be required to complete the entire work in the satisfaction of the Commissioners of Parks and in substantial accordance with the specifications hereon annexed and the plans therein referred to. No extra compensation beyond the amount payable for the amount of work before enumerated, which shall be actually performed, at the prices therein to be specified by the lowest bidder, shall be due or payable for the extra work.

The bidder must deposit with the Commissioners of Parks, at least ten days before making his bid, samples of materials he proposes to use, as follows:

- 1st. Specimens of asphalt, with a certificate stating under the regulation to be used.
- 2d. A specimen of asphalt cement, with a statement of the elements of the composition of the bituminous cement used in the composition of the paving surface.
- 3d. Specimens of sand intended to be used.
- 4th. Specimens of pulverized carbonate of lime to be used.
- 5th. Specimens of the available rock, with a certificate or other evidence that it is of even fabric, and a product of the first quality, and from the mines hereinafter designated.

No. 6.—A statement of the location and the capacity (in square yards per day) of the works or factory where the paving materials are prepared.

Specimens must be furnished to the Department of Parks as often as may be required during the progress of the work.

No bid will be received or considered unless the deposit of materials and statements referred to above are made with the Commissioners of Parks within the time prescribed, and unless they conform to the requirements of the specifications and are satisfactory to the Commissioners of Parks. Any bid accompanied by a sample of asphalt which does not come up to the standard required by these specifications, will be regarded as invalid.

Work or materials not specified, and for which a price is not named in the contract, will not be allowed for.

The amount of security required is Five Thousand Dollars.

Bidders are informed that no deviation from the specifications will be allowed, unless a written permission in that respect has been obtained from the Commissioners of the Department of Parks.

The contractor is required to notify the Engineer forty-eight hours prior thereto, of the date he intends to actually begin work.

Bidders are specially notified that the Commissioners of Parks reserve the right to determine the time and place for commencing and prosecuting the work, and that any postponement or delay on the whole or any part thereof, occasioned by the negligence of other contractors, which may be either let or executed before or after the execution of the contract for this work, cannot constitute a claim for damages, nor for a reduction of the amount fixed for delay in completing the work beyond the time allowed.

Bidders are required to state in writing and also in figures a price per square yard for furnishing materials and having in place pavement of asphalt; also a price per level foot for leveling and setting new curbstones, which prices are to include the furnishing of all materials, labor and transportation, all implements, tools, apparatus and appliances of every description necessary to complete in every particular the whole of the work as set forth in the plans and specifications, estimates and form of agreement hereto annexed.

Each bid or estimate shall be accompanied and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work 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 therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for his faithful performance, and that if he shall refuse or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 27 of chapter 1 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety; the adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or estimate will be received or considered unless accompanied by either 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 security required for the faithful performance of the contract. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

No. 7.—The prices must be written in the estimate or estimates stated in figures, and all estimates must be accompanied as aforesaid, which do not contain bids for all items for which bids are herein called for, or which contain bids for items for which bids are not hereinafter called for. Bidders will not be given for the withdrawal of any bid or estimate. No bid will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The Park Board reserves the right to reject any or all the bids received in response to this advertisement if it should deem it for the interest of the City so to do, and to re-advertise until satisfactory bids or proposals shall be received, but the contracts when awarded will be awarded to the lowest bidder.

Blank forms for proposals and information relative thereto can be had at the office of the Park Board, Arsenal, Central Park.

GEORGE C. CLAUSEN,
AUGUST MOHRUS,
GEORGE V. BROWER,
Commissioners of Parks of the City of New York.

DEPARTMENT OF PARKS,
ARSENAL, CENTRAL PARK,
Borough of Manhattan, City of New York,
September 24, 1898.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES, WITH THE plans of the work and the name of the bidder indicated thereon, will be received by the Park Board, at its office, Arsenal Building, Sixty-fourth street and Fifth Avenue, Central Park, until 12 o'clock a. m. of

THURSDAY, OCTOBER 13, 1898.

for the following-named work in the Borough of Manhattan:

FOR THE IMPROVEMENT OF COOPER PARK, BOUNDED BY THIRD AND FOURTH AVENUES AND EAST SEVENTH STREET, IN THE BOROUGH OF MANHATTAN, CITY OF NEW YORK.

The Engineer's estimate of the material to be furnished and work to be done and by which the bids will be tested, is as follows:

- 1. Taking up, cleaning and resetting granite curbs.
- 2. Furnishing, delivering and setting new granite curbs, sills and coping.
- 3. Furnishing all materials and having work pavement of asphalt with concrete base and rubblestone foundation, including edging of curbstones and furnishing and setting new curbstones where required.
- 4. Preparing new tree-plots and retransplanting slight young trees.
- 5. Furnishing and setting limestone edging around tree-plots and adjoining walks.
- 6. Furnishing curbs and labor and setting complete curbs, including curbs, tops and steps.

No. 7.—The above "estimate" is intended to fully cover all the work contemplated in the agreement, and though stated with as much accuracy as is possible in advance, bidders will be required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

Bidders are particularly cautioned that in no case will they be permitted to use under bids, either in figures or in any other manner, any other quantities than those specified in the contract, and also that a provision in the contract requires the maintenance of the agreement in good condition for a period of two years from the date of completion and acceptance thereof.

Bidders must satisfy themselves by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an estimate, dispute or complain of such estimate, or estimate, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

Bidders will be required to execute the entire work in the satisfaction of the Commissioners of Parks, and in substantial accordance with the specifications hereon annexed. No extra compensation beyond the amount payable for the several classes of work before enumerated, which shall be actually performed, at the prices therein to be specified by the lowest bidder, shall be due or payable for the extra work.

The bidder must deposit with the Commissioners of Parks at least ten days before making his bid, samples of materials he intends to use, as follows:

- 1st. Specimens of massie of rock asphalt, refined bitumen and grit.
- 2d. Specimens of asphaltum and of asphaltic cement.
- 3d. A statement of the elements of the composition of the bituminous cement used in the composition of the paving surface.
- 4th. Specimens of sand intended to be used.
- 5th. Specimens of pulverized carbonate of lime intended to be used. And such specimens must be furnished to the Department of Parks as often as may be required during the progress of the work.
- 6th. Specimens of the asphaltic rock, with a certificate or other evidence that it is of even fabric, and a product of the first quality, and from the mines hereinafter designated.

No bid will be received or considered unless the deposit of materials referred to above are made with the Commissioners of Parks within the time prescribed, nor unless they conform to the requirements of the specifications.

Work or materials not specified, and for which a price is not named in the contract will not be allowed for.

The amount of security required is Three Thousand Dollars.

Bidders are informed that no deviation from the plans and specifications will be allowed, unless a written permission shall previously have been obtained from the Commissioners of Parks.

The contractor is required to notify the Engineer, in writing, forty-eight hours prior thereto, of the date he intends to actually begin work.

The time stipulated for the completion of the whole work is sixty (60) consecutive working days, and the damages to be paid by the contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are, by a clause in the contract, fixed and liquidated at Twenty Dollars per day. See paragraph 12 of the contract.

The successful bidder will be strictly held to the time allowed for the completion of the work and to the conditions of the specifications.

Bidders are specially notified that the Commissioners of Parks reserve the right to determine the time and place for commencing and prosecuting the work, and that any postponement or delay on the whole or any part thereof, occasioned by the negligence of other contractors, which may be either let or executed before or after the execution of the contract for this work, cannot

constitute a claim for damages, nor for a reduction of the amount fixed for delay in completing the work beyond the time allowed.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work 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 therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for his faithful performance, and that if he shall refuse or refuse to execute the same they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 27 of chapter 1 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety; the adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or estimate will be received or considered unless accompanied by either 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 security required for the faithful performance of the contract. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

No. 8.—The prices must be written in the estimate and estimates stated in figures, and all estimates must be accompanied as aforesaid, which do not contain bids for all items for which bids are herein called for, or which contain bids for items for which bids are not hereinafter called for. Bidders will not be given for the withdrawal of any bid or estimate. No bid will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The Park Board reserves the right to reject any or all the bids received in response to this advertisement if it should deem it for the interest of the City so to do, and to re-advertise until satisfactory bids or proposals shall be received, but the contracts when awarded will be awarded to the lowest bidder.

Blank forms for proposals for the several contracts and information relative thereto can be had at the office of the Park Board, Arsenal, Central Park.

GEORGE C. CLAUSEN,
AUGUST MOHRUS,
GEORGE V. BROWER,
Commissioners of Parks of the City of New York.

DEPARTMENT OF PUBLIC IMPROVEMENTS,
No. 245 Broadway,
Borough of Manhattan,

BOARD OF PUBLIC IMPROVEMENTS.

NOTICE IS HEREBY GIVEN THAT THE Board of Public Improvements of the City of New York, desiring it in the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade of Sixty-eighth and Sixty-ninth streets, between Seventeenth Avenue and Eighty-seventh Avenue, in the Borough of Brooklyn, City of New York, and that a meeting of the said Board will be held in the office of the said Board at No. 245 Broadway, Borough of Manhattan, on the 12th day of October, 1898, at 2 o'clock p. m., at which such proposed change of grade will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by said Board on the 21st day of September, 1898, notice of the adoption of which is hereby given, viz:

Resolved, That the Board of Public Improvements of the City of New York, in pursuance of the provisions of section 436 of chapter 178, Laws of 1897, desiring it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade of Sixty-eighth and Sixty-ninth streets, between Seventeenth Avenue and Eighty-seventh Avenue, in the Borough of Brooklyn, City of New York, more particularly described as follows:

- 1st. Beginning at the intersection of Sixty-eighth street and Seventeenth Avenue, the elevation to be 42.5 feet above mean high-water datum as heretofore.
- 2d. Thence easterly to a point 150 feet from the eastern line of Seventeenth Avenue, the elevation to be 43.74 feet above mean high-water datum.
- 3d. Thence easterly to the intersection of Sixty-eighth street and Eighty-seventh Avenue, the elevation to be 38.60 feet above mean high-water datum as heretofore.

The mean high-water datum to which the elevations are referred is the one in use in the Department of Highways.

Resolved, That the Board of Public Improvements of the City of New York, in pursuance of the provisions of section 436 of chapter 178, Laws of 1897, desiring it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade of Sixty-eighth and Sixty-ninth streets, between Seventeenth Avenue and Eighty-seventh Avenue, in the Borough of Brooklyn, City of New York, more particularly described as follows:

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- 1st. Beginning at the intersection of Sixty-eighth street and Seventeenth Avenue, the elevation to be 42.5 feet above mean high-water datum as heretofore.
- 2d. Thence easterly to a point 150 feet from the eastern line of Seventeenth Avenue, the elevation to be 43.74 feet above mean high-water datum.
- 3d. Thence easterly to the intersection of Sixty-eighth street and Eighty-seventh Avenue, the elevation to be 38.60 feet above mean high-water datum as heretofore.

The mean high-water datum to which the elevations are referred is the one in use in the Department of Highways.

Resolved, That this Board consider the proposed change of grade of the above-named streets at a meeting of this Board, to be held in the office of this Board, at No. 245 Broadway, Borough of Manhattan, on the 12th day of October, 1898, at 2 o'clock p. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby, that the proposed change of grade of the above-named streets will be considered at a meeting of this Board, to be held at the aforesaid time and place, to be published in the City Record and Corporation

Newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the first day of the above term.

Dated New York, September 29, 1898. JOHN H. MOONEY, Secretary.

BOARD OF PUBLIC IMPROVEMENTS, No. 240 BROADWAY.

NOTICE IS HEREBY GIVEN THAT THE Board of Public Improvements will give a public hearing on Wednesday, October 6, 1898, at 2 o'clock p. m., at the office of said Board, at the above address, to all persons interested in or affected by the proposed opening of Canal place, from East One Hundred and Thirty-eight street to East One Hundred and Forty-fourth street, in the Borough of The Bronx, City of New York.

Dated New York, September 29, 1898. JOHN H. MOONEY, Secretary.

BOARD OF PUBLIC IMPROVEMENTS, No. 240 BROADWAY.

NOTICE IS HEREBY GIVEN THAT THE Board of Public Improvements of The City of New York, desiring it for the public interest so to do, propose to alter the map or plan of The City of New York, by the widening of Canalwell avenue, between East One Hundred and Fifty-eighth street (Central place) and East One Hundred and Sixty-first street, in the Borough of The Bronx, City of New York, and that a meeting of the said Board will be held in the office of the said Board at No. 240 Broadway, on the 25th day of October, 1898, at 2 o'clock p. m., at which such proposed widening will be considered by said Board; all of which is more particularly set forth and described in the following resolutions, adopted by said Board on the 21st day of September, 1898, notice of the adoption of which is hereby given, viz:

Resolved, That the Board of Public Improvements of The City of New York, in pursuance of the provisions of section 176 of chapter 372, laws of 1897, desiring it for the public interest so to do, propose to alter the map or plan of The City of New York by the widening of Canalwell avenue, between East One Hundred and Fifty-eighth street (Central place) and East One Hundred and Sixty-first street, in the Borough of The Bronx, City of New York, more particularly described as follows:

- 1. Beginning at a point at the intersection of the northern line of East One Hundred and Fifty-eighth street (formerly Cedar place) with the western line of Canalwell avenue.
2. Thence westerly along the northern line of East One Hundred and Fifty-eighth street for 100 feet.
3. Thence easterly and parallel to the western line of Canalwell avenue for 100 feet to the southern line of East One Hundred and Sixty-first street.
4. Thence easterly along the southern line of East One Hundred and Sixty-first street for 50 feet to the western line of Canalwell avenue.
5. Thence southerly along the western line of Canalwell avenue for 50 feet to the point of beginning.

Resolved, That this Board consent to the proposed widening of the above-named street at a meeting of this 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 25th day of October, 1898.

Dated New York, September 29, 1898. JOHN H. MOONEY, Secretary.

DEPARTMENT OF HEALTH.

AT A MEETING OF THE BOARD OF HEALTH of the Department of Health, held September 27, 1898, the following amendments to the Sanitary Code were adopted:

Resolved, That, under the power conferred by law upon the Board of Health at the Department of Health, the following additional amendments to the Sanitary Code for the sanitary of life and health be and the same be hereby adopted and declared to form a portion of the Sanitary Code:

Sec. 201. No boat, row or other receptacle used in transporting garbage to Borden Island, or the place of disposal, shall be permitted to remain unmoored or to be at any dock, wharf or place within the limits of the City of New York for a longer period than twelve hours from the time baggage is first delivered to or placed thereon. Every boat, row or other means of transporting garbage from said city shall be so constructed as to be capable of being tightly closed, and all air outlets sealed by water-tight and all garbage placed on any such boat, row or receptacle for removal shall be discharged in a manner to be approved of by the Board of Health.

M. C. MURPHY, President.

E. GOLDBERMAN, Secretary pro tem.

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT, New York, October 4, 1898.

SEALED PROPOSALS FOR FURNISHING this Department with the articles below specified will be received by the Fire Commissioner, at the office of the Fire Department, Nos. 137 and 139 East Sixty-seventh street, in the Borough of Manhattan, City of New York, until 10 o'clock a. m.,

WEDNESDAY, OCTOBER 10, 1898.

at which time and place they will be publicly opened by the head of said Department and read.

- 400,000 pounds No. 1 Hay.
125,000 pounds No. 1 Bye Straw.
175,000 pounds, net weight, No. 2 white clipped Oats, to weigh not less than 24 pounds to the measured bushel.

4000 pounds, net weight, fresh, clean, sweet Bran. To be delivered at all of the various houses of the Department, in the Borough of Brooklyn, and in Long Island City, Borough of Queens, at such times and in such quantities as may be required. The articles to be inspected and weighed at the several places of delivery by the officer or other employee in charge. The weighing to be upon beam scales furnished by the Department and transported by the contractor.

All of the hay, straw and oats shall be subject to inspection by a Private Exchange Inspector at any time required by the Department (not exceeding three times during the delivery under this contract), the expense of which inspections shall be borne by the contractors.

No estimate will be received or considered after the hour named.

The form of the agreement, with specifications, showing the manner of payment for the articles, and list showing locations and places of delivery, may be seen and forms of proposals may be obtained at the office of the Department.

Proposals must include all the items, specifying the price per cwt. for Hay, Straw, Oats and Bran.

Bidders must write out the amount of their estimate in addition to inserting the same in figures.

The award of the contract will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the articles shall present the same in a sealed envelope to said Board, at

said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the articles to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates, as may be deemed to be for the public interest.

No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter as surety or otherwise, upon any obligation to the Corporation.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work 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 therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance in the sum of Four Thousand Dollars; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of Two Hundred and Fifty Dollars. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited in and retained by The City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to him or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be re-advertised and let as provided by law.

JOHN J. SCANNELL, Commissioner.

HEADQUARTERS FIRE DEPARTMENT, New York, October 4, 1898.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING the materials and labor and doing the work required for constructing and erecting a building for the Fire Department on the premises, north side of Main street, 225 feet east of Arden place, Borough of The Bronx, will be received by the Fire Commissioner, at the office of the Fire Department, Nos. 137 and 139 East Sixty-seventh street, in the Borough of Manhattan, City of New York, until 10 o'clock a. m.,

WEDNESDAY, OCTOBER 10, 1898.

at which time and place they will be publicly opened by the head of said Department and read.

No estimate will be received or considered after the hour named.

For information as to the amount and kind of work to be done, bidders are referred to the specifications and drawings, which form part of the proposals.

The form of the agreement, and the specifications, showing the manner of payment for the work, and forms of proposals may be obtained and the plans may be seen at the office of the Department.

Proposals must be made for all the work contained in the specifications.

Bidders will write out the amount of their estimate in addition to inserting the same in figures.

The building is to be completed and delivered within one hundred and twenty (120) days after the execution of the contract.

The damages to be paid by the contractor for each day that the contractor may be unfulfilled after the time specified for the completion thereof shall have expired are fixed and liquidated at Ten (10) Dollars.

The award of the contract will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall present the same in a sealed envelope at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates, if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter as surety or otherwise, upon any obligation to the Corporation.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work 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 therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance, and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the 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 security required for the faithful performance of the contract. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall re-

use person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance in the sum of Four Thousand Dollars; and that if he shall omit or refuse to execute the same they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of Two Hundred and Fifty Dollars. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited in and retained by The City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to him or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be re-advertised and let as provided by law.

JOHN J. SCANNELL, Commissioner.

HEADQUARTERS FIRE DEPARTMENT, New York, October 4, 1898.

TO CONTRACTORS.

SEALED PROPOSALS FOR REPAIRING, ETC., the following mentioned Steam Fire Engines will be received by the Fire Commissioner, at the office of said Department, Nos. 137 and 139 East Sixty-seventh street, in the Borough of Manhattan, City of New York, until 10 o'clock a. m.,

WEDNESDAY, OCTOBER 10, 1898.

at which time and place they will be publicly opened by the head of said Department and read.

- 1. Two second size La France Steam Fire Engines, registered Nos. 146 and 147.
2. Single Pump Steam Fire Engines, registered Nos. 154, 155 and 157.

Separate bids must be made for the repairs, etc., to the engines, as above.

For the repairs, etc., to Engines Nos. 146 and 147, above mentioned, the security required is \$2,500 and the time allowed for the completion of the repairs is sixty days.

For the repairs, etc., to Engines Nos. 154, 155 and 157, above mentioned, the security required is \$1,000 and the time allowed for the completion of the repairs is sixty days.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired are fixed and liquidated at Ten (10) Dollars.

No estimate will be received or considered after the hour named.

For information as to the amount and kind of work to be done, bidders are referred to the specifications.

The form of the agreement (with specifications), showing the manner of payment for the work, may be seen, and forms of proposals may be obtained at the office of the Department.

Bidders will write out the amount of their estimate in addition to inserting the same in figures.

The award of the contracts will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall present the same in a sealed envelope, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation and a statement of the work to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates, if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter as surety or otherwise, upon any obligation to the Corporation.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work 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 therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance, and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

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No estimate will be considered unless accompanied by either a certified check upon one of the 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 security required. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited in and retained by The City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to him or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be re-advertised and let as provided by law.

JOHN J. SCANNELL, Commissioner.

NOTICE OF SALE.

THOMAS A. KERRIGAN, AUCTIONEER, in behalf of the Fire Department, will offer for sale at public auction, in the highest bidder, for each, at the Hospital and Training Station, Cannon and Delany streets, Borough of Brooklyn,

TUESDAY, OCTOBER 11, 1898.

at 12 o'clock a. m., the following property belonging to the Fire Department of The City of New York:

Two Horses, no longer fit for use in the Department. Nos. 14, 15, 137, 279, 246, 275, 315, 316, 317 and 333.

JOHN J. SCANNELL, Fire Commissioner.

DEPARTMENT OF CORRECTION.

DEPARTMENT OF CORRECTION, No. 148 EAST TWENTY-FIFTH STREET, NEW YORK CITY, September 17, 1898.

PROPOSALS FOR INSTALLING THREE ELEVATORS ON BLACKWELL ISLAND.

SEALED BIDS OR ESTIMATES FOR INSTALLING three elevators on Blackwell Island, in conformity with plans and specifications, and in accordance with the plans of the Department of Correction, No. 148 East Twentieth street, in the City of New York, until 10 o'clock a. m. of

MONDAY, OCTOBER 10, 1898.

The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Installing Three Elevators on Blackwell Island," with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the Commissioner, or his duly authorized agent, of said Department, and read.

The Commissioner of the Department of Correction reserves the right to reject all bids or estimates if he deems it to be for the public interest, as provided by section 14, chapter 403, laws of 1886.

No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The award of the contract will be made as soon as practicable after the opening of the bids.

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect, and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, each in the penal amount of SEVEN THOUSAND (\$7,000) Dollars each.

Each bid or estimate shall contain and state the name and place of residence or place of business of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; and 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the work 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 therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance, and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the 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 security required for the faithful performance of the contract. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall re-

