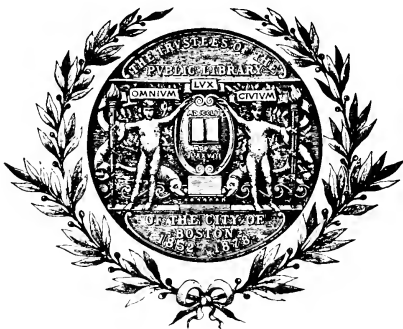


No _____



ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT
OF THE
CITY OF BOSTON

FOR THE YEAR ENDING DECEMBER 31, 1963.



HON. JOHN F. COLLINS, *Mayor*
JAMES W. HALEY, *Commissioner of Public Works*
JOHN J. McCALL, *Engineering Division Engineer*
RUTHFORD J. KELLEY, *Highway Division Engineer*
JOHN F. FLAHERTY, *Sanitary Division Engineer*
EDWARD G. A. POWERS, *Sewer Division Engineer*
DANIEL M. SULLIVAN, *Water Division Engineer*

PUBLIC WORKS DEPARTMENT

1963 ANNUAL REPORT

TABLE OF CONTENTS

	PAGE
Letter of Transmittal	1
Personnel	1
Central Office	4
Engineering Division	6
Highway Division	11
Sanitary Division	12
Snow Removal	12-17
Sewer Division	19
Water Division	20
Break in Main Sewer	23
Fiscal	24
Public Improvement Commission Report	25
Appendices	52
Statistical and other Data	TABLES
A. Central Office	65
B. Engineering Division	76
C. Highway Division	96
D. Sanitary Division	116
E. Sewer Division	123
F. Water Division	128



ANNUAL REPORT OF THE
PUBLIC WORKS DEPARTMENT

FOR THE YEAR ENDING DECEMBER 31, 1963

BOSTON, January 4, 1964.

HON. JOHN F. COLLINS,
Mayor of Boston.

DEAR MR. MAYOR:

In compliance with the provisions of Section 25, Chapter 3 of the Revised Ordinances of 1961, I respectfully submit, herewith, the annual report of the Public Works Department and the Public Improvement Commission for the year ending December 31, 1963.

The activities of the Public Works Department are varied and vital to health, safety, and convenience of not only to the citizen but also to the general public. The programs of the department include highway construction and maintenance, including bridges and street cleaning, the construction, maintenance and operation of water and sewerage facilities and the collection and disposal of offal and rubbish. The expenditures for these services amounted to \$28,367,275.33, for this year.

PERSONNEL

The policy of reducing the number of employees, by natural attrition, is still being carried forward. At the close of the year there were 1,380 employees in all categories on the department payrolls. This compares with 1,453 at the close of 1962 and 1,788 at the close of 1959. Because of a national shortage of engineers and the local demand and high wages paid in industry, difficulty has been experienced in securing replacement in this field. The same is true in the labor field and skilled mechanics.

CENTRAL OFFICE

The Central Office is composed of three sections: an Administrative Branch in the charge of the Department Executive Secretary, a Maintenance Branch in the charge of the Director of Transportation, and a Permit Branch in the charge of a Supervisor of Permits.

The Administrative Branch function included the preparation and processing of correspondence, purchase supply requisitions, service orders, contracts, payrolls, personnel requisitions for transfers, promotions and terminations, the keeping of all required records and files, and provided all services required by the Public Improvement Commission.

The Maintenance Branch provided for the repair and maintenance of the departmental automotive equipment; the supervision and maintenance of all departmental buildings and property; the operation of four garages; the operation of a blacksmith shop, a sweeper repair shop, and a building maintenance shop; and the around-the-clock operation of a two-way radio station.

The Maintenance Branch is responsible for the repair and maintenance of 494 vehicles. New equipment was acquired by purchase from the 1963 appropriations in the amount of \$245,472.90; and \$90,386.42 from the Snow Removal Appropriation.

The Maintenance Branch has studied the possibility of using a snow melting machine. It is now believed that this machine will be an important adjunct to the snowfighting equipment of the department. The potential savings in labor charges, its adoptability to the narrow streets of City Proper, the speed with which it can be placed in operation, and its alleviation of the acute emergency traffic problem, make this method of snow removal appealing. Final determination for its purchase will be made in 1964.

The work involved in making approximately 10,000 annual repair jobs is performed at four locations.

(A) The Highland Street Motor Repair Garage is used for general repair work, stockroom, lubrication and dispensing of gasoline and oil. The stockroom contains

an inventory of repair parts, tires, batteries, etc, valued at \$50,000. A schedule of monthly lubrication is set up and the condition of vehicles is checked at that time.

(B) Albany Street Garage in Public Works Department District No. 1.

This unit consists of the garage proper, the welding shop, the street sweeper shop and the communication center. The garage is used for storing trucks and dispensing of gasoline and oil. During the winter season, repairs to chains are made here. Inspection for the semi-annual Registry of Motor Vehicles inspections for Area No. 1 vehicles are carried out here.

The sweeper repair shop maintains the street sweeper fleet and in the snow removal season, repairs the snow-fighting equipment in the area.

The maintenance shop maintains buildings and related property of the department; constructs barriers, disposal boxes, signs, erects fences and platforms, remodels offices, etc. The personnel is made up of skilled mechanics.

The welding shop is responsible for the care and maintenance of snowplows, street sweeper brooms and runners, disposal boxes, etc. Approximately 300 snowplows and frames are installed on city trucks and contractors equipment and repairs are made on cutting edges, plow wheels, semicircles and curb bumpers. The shop does all welding on above plows and also on all other types of equipment. Considerable repair work is performed for other divisions of the department, repair of pumps and screens for the Sewer Division, repairing pipes, burning joints and cutting of bolts, repairing gate and shutoff wrenches for the Water Division, welding parts for cranes and stabilizing bars for Sanitary Division incinerator and repairing signs and fences for Highway Division. Welding is done on all types of vehicles.

The Albany Street switchboard and the two-way radio base are located at the Albany Street Water Yard and are on a 24-hour, 7-day a week basis. The operators are in constant contact with the vehicles which are equipped as mobile stations.

(C) The Maintenance Branch in Public Works Department Area No. 2, is located at Forest Hills. It is used for repair work, lubrication and the dispensing of gasoline and oil.

(D) The Maintenance Branch in Public Works Department Area No. 3, is located at Hancock street, Dorchester, and is used for the same purposes as in Area No. 2.

It has been recognized that there is a need of a centralized facility for departmental maintenance. In 1963, the Legislature enacted legislation (Chapter 812) authorizing the State Department of Public Works to convey land in the Roxbury section of the city. This site would make an ideal locus for a centralized yard.

The Permit Branch issued all permits under the jurisdiction of the department and collected the fees, as required therefor. Permits totaling \$17,684 were issued in 1963. The cash receipts amounted to \$256,008.61; special accounts \$12,424.92 and deposit accounts \$567,-418.52, for a grand total of \$835,852.05.

ENGINEERING DIVISION

The Engineering Division performs all of the engineering planning, estimating and designing of the Public Works Department capital layout construction of the department. It also includes all of the work formerly performed by the Survey Division. The division is composed of four sections as follows: Administration, Planning and Programming, Survey and Design. The Administrative Section performed all duties of an administrative nature relating to the processing and maintenance of records pertaining to personnel, supplies reproductions, correspondence, and engineering costs. The reproduction unit of this section furnished blueprints, ozalid prints, autositives, photostats, and photographs, as required by the various divisions of the department. Units of work of this section comprised 27,072 photostats, 533 blueprints, 42,533 ozalids, 365 autositives, 4,687 negative and 5,928 prints.

Planning and Programming Section: The Planning and Programming Section, under the supervision of an Associate Engineer, prepared all of the engineering and

construction program for the Public Works Department. The program involved the highway, water, sewer, bridge and street lighting facilities. This section, with the support of the other sections of the Engineering Division, performed services as directed by the Public Improvement Commission. The Section Chief assisted the Division Engineer who served as the Public Improvement Commission Engineer. In this capacity he attended thirty-six (36) meetings and hearings and assisted the Division Engineer in furnishing professional advice relative to interpretation of plans, land takings, specific repairs, widenings, and other improvements ordered by the Commission.

In connection with the various programs, this section maintained liaison with the Massachusetts Department of Public Works, City of Boston Traffic and Parking Department, Fire Department, Police Department, Sewer, Water, Highway Division and all public utility companies.

Upon receipt of plans of the Boston Extension of the Massachusetts Turnpike, this section reviewed and/or coordinated the plans with other city departments and divisions and the Boston Redevelopment Authority. This section assisted the Division Engineer in making recommendations concerning acceptance of the plans to the Commissioner of Public Works.

Where applicable, all programs were coordinated with proposed plans of the Boston Redevelopment Authority.

In connection with the foregoing, the Planning and Programming Section functioned as follows:

Scheduled field surveys for the Survey Section.

Scheduled preparation of construction plans by the Design Section.

Prepared monthly groups for advertising for bids for reconstruction of streets (*see* Design Section report for accomplishment during 1963).

In connection with Massachusetts Department of Public Works, Chapter 90 office, staged and sequenced development of Chapter 90 projects and arranged with other sections of the division for design changes on State Survey Plans relating to these projects.

With specific reference to Chapter 90 projects, following is a summary of streets advertised for bids for reconstruction in 1963:

STREET	Limits	Length	Approx. Cost
Congress street, Boston Proper	Fort Point Channel Bridge to Stillings street	1,080	\$35,000
Arlington street, Boston Proper Broadway, Boston Proper	Boylston street to Isabella street, Washington street to Park square	2,665	40,000
D street, South Boston	Dorchester avenue to Cypher street	3,346	95,000
Quincy street, Dorchester	Bowdoin street to Columbia road	1,770	57,000
Savin Hill avenue, Dorchester	Pleasant street to Savin Hill court (at various locations)	3,405	53,000
Columbus avenue, Roxbury	Massachusetts avenue to Tremont street	4,482	140,000
Totals		16,748	\$420,000

Other accomplishments of the Planning and Programming Section included:

Maintained project progress charts.

Investigated and reported on complaints from all sources, relative to poor condition of roadways, sidewalks, and street drainage.

Kept cost records of engineering work performed on projects in which there was a fund participation by the federal government, such as West End Redevelopment, Government Center, etc.

Arranged for the orderly processing of builders' plot plans, installations, sidewalk openings, and plans and profiles of work done by developers in connection with return of deposit for private ways open to public travel.

The Survey Section: The Survey Section is required to make surveys and plans in connection with (a) laying out, widening, design, and construction of highways; (b) taking easements for sewerage; (c) discontinuance of public highways; (d) land to be acquired by eminent

domain; (e) sidewalk assessments; and (f) specific repairs. This section's work also included the staking out of line and grade for construction of public works; staking out and setting bounds; surveys and plans of areas involved in major developments; surveys and plans of city-owned land; and surveys and plans as may be required by other departments.

This section made 26 surveys and plans for laying out 2.3 miles of public highways; 237 surveys and 227 plans for reconstruction of highways, totaling 39.5 miles; 7 surveys and plans for discontinuing 0.47 miles of highways; 22 surveys and plans for taking of easements for sewerage and/or for assessment purposes; 4 profiles for highway construction; 17 surveys and plans for minimum requirement ways; and 22 surveys and plans were made for specific repairs and widenings (Chapter 90) involving 11.5 miles. One hundred sixty-five streets were surveyed for engineering reports.

The Design Section: The Design Section functions during the year included the preparation of all plans, estimates, specifications, and contract forms relating to the design and construction of highway, sewer and water facilities; the preparation of design, plans and specifications required for proposed structures and appurtenances to be constructed by the operating divisions; the design of grades in connection with the construction of highways and sewers; the checking of all plot plans submitted to the Building Department for approval with regard to grades and the availability of sewer and water facilities; checking proposed construction over existing sewers; making tracings of all plans prepared by the Survey Section; the preparation of various maps, plans, charts, etc., required by the department, and making estimates and preliminary plans for the Public Improvement Commission.

During the year this section completed plans, estimates, and specifications for highway construction estimated to cost \$234,439; highway reconstruction estimated to cost \$2,546,675; sewerage works estimated to cost \$103,575; sewer and water work estimated to cost \$363,308; and water extensions estimated to cost \$117,376.

During 1963 the "New Boston" look has started to appear physically in various parts of the city with construction actually well on the way or started on many projects. In connection with the Government Center development the new MTA relocation and turnaround has been completed and is in operation; foundation work for the Federal Office Building and the New City Hall has been started; and, just off Government Center, the new State Office Building steel work is being erected. With reference to the New City Hall, several meetings were held with representatives of the architects and the firm of Becker and Becker, planning consultants, concerning the layout of the Public Works Department space. A final layout was agreed upon which was worked out to the point where even the arrangement of furniture and equipment was settled.

The Massachusetts Turnpike Extension is becoming a rapid reality with many of the more than 25 new bridges already built and opened to traffic; and nearly all of the other bridges are under construction.

The Academy Homes Development in the Washington Park area has resulted in the installation of sewer and water facilities and the development of plans for new street construction here for early 1964 action.

The Prudential area is taking visible shape in giant strides, with the Hotel America and the new Auditorium well advanced structurally. Plans have been completed by this division, through its consultant, Metcalf & Eddy, for extensive sewerage works relocations in the New Dalton Street area which will result in construction early in 1964. Concurrently, Metcalf & Eddy have completed contract drawings and specifications for the New Dalton Street Bridge and approaches. This work is planned for contract work to also start in 1964.

All of the foregoing has resulted in a great deal of activity within this division in 1963 because of the necessary conferences with all of the agencies involved, review of plans, and much correspondence in connection with review and approvals of detailed plans requiring City of Boston approval.

The personnel quota for this division has been established as 60. On January 1, 1963, the number of permanent employees working was 42. By December 31, 1963, this had become 37, due to 2 retirements, 2 resignations, and 1 death.

Supplementing this permanent work force (but, from a technically qualified point of view, not bringing our work output up to expected quota output) there were a total of 52 temporary appointees employed during the year. Because they were on a come and go basis this represents 495-man weeks or the equivalent of $9\frac{1}{2}$ men employed for a full 52-week period.

The foregoing statistics point out the continuing need for getting properly qualified permanent engineers for the ever-increasing work load.

In this connection, a good start was made during 1963 when we personally visited Franklin Institute and Boston Technical High School and spoke to the seniors on the desirability of a career with the City of Boston Public Works Department. This resulted in a few of these students coming to work with us and this type of program promises future dividends in acquiring intelligent personnel in the lower grades to eventually become the backbone of the department, technically-wise.

HIGHWAY DIVISION

The Highway Division is comprised of four sections: Administration, Construction, Maintenance, and Street Lighting and supervises and performs all the services incidental to the construction of streets and sidewalks; highway maintenance work, including pavement maintenance, snow removal, street cleaning and catch-basin cleaning; the operation and maintenance of bridges; and the installation and maintenance of street lights.

The Administrative Section performed all the duties of a clerical nature, including the preparation and processing of correspondence, initiating supply requisitions and service orders, and the preparation of contract payments.

The Construction Section supervised the construction of 12 highways at a cost of \$283,569.25 and reconstruction of 196 streets during the year at an expenditure of

\$2,667,968.90. Chapter 90 projects completed during the year were: Adams street, from Gallivan Boulevard to Ashmont street; La Grange street, from Washington street to Newton line; Cambridge street, from Somerville line to Sullivan square; Green street, from Washington street to Centre street; Dorchester avenue, from Freeport street to Columbia road at a total cost of \$401,879.88. Contracts were awarded in the amount of \$1,420,640.20 for highway construction to be completed in 1964.

The Maintenance Section performed sidewalk and roadway repairs on and cleaned and flushed the 750 miles of streets; cleaned 3,817 catch basins of the 25,352 in the city; maintained and operated eight drawbridges and maintained 83 other bridges.

The Street Lighting Section has the custody of 30,088 street lights and supervised the installation of new lights and the replacement of existing lights totaling 3,412 units.

During the year 1963, there were approximately 288 gas lamps maintained by the city. Installation of 44 gas lamps were made. Ninety-seven police spotlights were maintained.

Snow Removal

Snowfall for the season of 1962-1963 amounted to 30.0 inches. The cost was \$1,036,807.04.

SANITARY DIVISION

The Sanitary Division is composed of three sections: Administration, Collection, and Disposal and provides for the collection and removal of all solid waste and provides for the disposal of all collected wastes by the operation of an incinerator and an open land dump together with an out-of-town dump by contract.

ADMINISTRATIVE SECTION

The activities of the Administrative Section comprised of supervising the various functions and operations of the division, the preparing of all contracts, the processing of payments, the processing of reports, correspondence

and complaints (complaints were written, telephoned and in person) and compilation of inspectors' reports and daily reports on the Collection and Disposal Section's performances, investigating and processing applications for permits for the transportation of refuse and the supervision of the Snow Emergency Center.

COLLECTION SECTION

The Collection Service supervised the work of contractors and division forces in the collection and disposal of refuse and garbage throughout the city. Contracts were awarded to eleven contractors, for the period April 1, 1963, to March 31, 1964. The total collection contract costs were \$2,184,837.63.

A uniformed force of sanitary inspectors was organized during the year. This force served violation notices and patrolled assigned areas in the city. An over-all improvement in litter control has already been observed. There were 5,237 violation notices served in which corrective action was made and 108 violations resulting in court action.

The city exercised its final option in accordance with Article 17 of the existing removal contracts. Contracts were renewed with the present contractors with the city absorbing 75 percent of the fifteen-cent per hour increase granted the drivers and helpers. This increase added \$39,510 to the cost of removal of refuse.

During the months of June, July, and August, in cooperation with the Health Department, a city-wide program of cleaning city-owned and privately-owned lots was inaugurated. A total of 664 lots were cleaned at a cost of \$57,393.

A program of cleaning the South End and lower Roxbury alleys was continued throughout the year.

A program in close cooperation with the Police, Health, and Real Property Departments, was initiated to remove abandoned motor vehicles from the highways and from city-owned and other vacant lots. The seriousness of this problem was recognized by the General Court which enacted Chapter 525 of the Acts of 1963, effective July 29, 1963. This act provides for fines of not less than one hundred dollars or more than

five hundred dollars, plus revocation of the license of anyone convicted of abandoning a motor vehicle on any public or private way or upon any property other than his own without permission of the owner or lessee or said property. A contract was let for the disposal of these vehicles.

The servicing of litter baskets was carried on with the use of two packer-type trucks, working night shifts. The same trucks are used to police the Blackstone Street Market Area on Fridays and Saturdays.

DISPOSAL SECTION

The Disposal Section provided for the disposal of the city's refuse at the Gardner Street, West Roxbury, dump and the incinerator. Refuse from the East Boston section of Boston, was removed to a private dump, in Saugus.

The Gardner Street Dump was operated, as in former years, as an open fill with earth cover for the disposal of 426,720 cubic yards of rubbish from the following districts: Jamaica Plain, West Roxbury, Hyde Park, and Brighton. A garbage transfer station has remained in operation at this site for the disposal of approximately 14,000 cubic yards of garbage received from the aforementioned districts. It is becoming increasingly difficult to provide adequate cover over the rubbish fill at this site, principally due to the lack of adequate equipment, the availability of cover material at this time being exhausted, unless a drag-line operation is started to obtain approximately 40,000 cubic yards needed annually for surface cover on the dump. A revenue of \$10,446 has been obtained from dumping fees at this dump. This is principally due to the increase of dumping rates bringing them in line with other dumps in the metropolitan area.

The city exercised its option to renew its contract with M. DeMatteo Construction Company for providing a refuse disposal site in Saugus for the disposal of all the refuse from the East Boston district. The annual cost for this contract was \$24,000.

The garbage transfer stations at Victory road, Dorchester, and Gardner street, West Roxbury, were continued in operation throughout the year for the disposal

of garbage collected in several of the city's districts. The city exercised its option and renewed contracts with Kristoff Brothers for removing 15,600 cubic yards of garbage delivered at the Victory Road Garbage Transfer Station, and with Kennedy Brothers for removing 14,000 cubic yards of garbage delivered at the Gardner Street Garbage Transfer Station. The annual cost for each contract amounted to \$13,050.

The permit to maintain a dump, between East Brookline street and the Southeast Expressway, for receiving residue from the South Bay incinerator expired April 1, 1963. The residue dump relocated and a permit granted by the state, in the Fort Point Channel, between the Southeast Expressway and Dover street.

The problem of disposing of bulk and noncombustible materials delivered to the South Bay incinerator from districts serviced by this plant was solved by awarding a contract, which was publicly advertised, for the removal of said materials, at a cost of \$18,310. This method proved less costly than having this material handled by our own forces.

The yearly program of rodent control was continued at the South Bay incinerator, the garbage transfer stations and the Gardner Street, West Roxbury, dump, at the annual cost of \$1,350. This program is evidently effective since no complaints of rat infestation have been received.

INCINERATOR

The South Bay incinerator received and disposed of a total of 144,844 tons of refuse for the year 1963 from a population of approximately 450,000 or 67 percent of the city's total. The plant continues to operate on $5\frac{1}{3}$ days consisting of sixteen 8-hour burning shifts with occasional days of additional burning shifts due to equipment outages or tunnel floodage. As a public service, small quantities of confidential papers from private concerns and governmental agencies were continued to be destroyed at the plant.

During 1963, the regular maintenance force of the plant, in addition to routine maintenance, assisted the field engineer from Flynn & Emrich Company in the

rebuilding of one furnace, and from the knowledge thus obtained have rebuilt several cells in other units. Minor repairs to refractories which have heretofore required the services of a contractor, are being made by city forces. Experimental protection of arch refractories have been made and an extension of this protection will be given to other furnaces in 1964. Replacement of worn-out hydraulic pumps have been completed. Repairing overhead doors in the ash tunnel have been made by our forces.

Maintenance work performed under the contract for emergency repairs included the annual realignment of the crane rails and structural supports; an alternate boiler feed water system was completed; new blowoff valves were installed on all boilers; the boiler blowoff tank was repaired; drainage system under crawl space was installed; steam main was recovered; a new expansion valve installed on the main; new support anchors were installed on the steam main and the expansion joint anchoring was completely revised and installed.

From September 12, 1963, to October 23, 1963, experiments in steam production were made, both with and without the supplemental oil burners installed under the plant "betterment program" and some steam was transmitted to the Boston City Hospital. However, the Commonwealth of Massachusetts directed that the fly ash system be reactivated. It was proven that to use the system, all the steam generated from burning rubbish would be required to operate the induced draft fans. Thus, to attempt to produce any steam for the Boston City Hospital supplemental oil in quantity would be required. The hospital was apprised of this and no further steam has been transmitted.

The plant continues to present problems. A rehabilitation of five furnaces will be required in 1964. Rebuilding furnace bridge walls and the mechanical grates will be required. This was after a complete and thorough survey by the Flynn & Emrich field engineer and the city's engineer was completed. This is normally necessary after three years of plant operation.

A program is under way to completely staff the plant with permanent employees in various classifications from available Civil Service lists and in plant promotions. This will reduce the number of temporary 30-day employees considerably. An increase in the number of overtime hours required can be attributed to an ever-increasing "out of service" time of plant equipment due to normal attrition and to a continued absentee record about 40 percent above private industrial rates.

During 1963, a complete study of the ventilation and dust control was made by consultants (Leo Crowley Company) and phases of their program are anticipated in the 1964 budget.

During a schooling period, all stokers, supervisory and others were instructed in the use of the mechanically agitated stoker grates and were certified as "instructors of stoking" by the field engineer from Flynn & Emrich, the manufacturers of the stoker mechanism.

SNOW REMOVAL

The Sanitary Division was given the responsibility for furnishing equipment and personnel for the snow-plowing and removal in East Boston, District 9, in the fall of 1963.

The Snow Emergency Center continued in its third year of operation at Fire Headquarters Building during the snow season under the direction of Division Engineer and Deputy Commissioner, John F. Flaherty, as chairman. This unit is supervised by the Administrative Section of the Sanitary Division. The coordinating table of the center has representatives of several departments, as well as the utility companies. This center processed hundreds of calls from the general public to the agency or department involved during the storms which occurred in 1963. The center, in addition to the department representatives, also has a unique communications system consisting of short-wave radios to Public Works and Fire Headquarters, and a direct "hot" line to the MTA and each police station, and a teletypewriter to each Public Works district yard and snow headquarters. The center is called into operation at the onset of any snowfall with a skeleton force. As

the storm forecast predicts heavier snowfall, additional personnel and table representatives are activated to operate the center in assisting the general public. The Emergency Center handles all press, radio, and television releases during all snowstorms, keeping the public informed on all storm activities.

SEWER DIVISION

The Sewer Division with 110 employees (11 less than the 121 employees in the 1962 quota) is distributed into three sections, viz., Administrative, Maintenance, and Construction, under the direction of a Division Engineer.

The Administrative Section, numbering 5 employees, under Head Administrative Clerk, is charged with preparing budgetary requests, recording pertinent times records of employees, presenting requisitions, service orders and receiving notices to the Central Office of the department, collecting statistics useful to the division planning and directing methods and procedure necessary to the clerical work in the division and furnishing information to the public and to employees regarding departmental activities, regulations, and legal responsibilities.

The Maintenance Section, numbering 89 employees, under an Associate Civil Engineer, is charged with cleaning sewers and sewer appurtenances, answering and investigating complaints, maintaining and repairing sewers, inspecting the laying of drains, operating pumping stations and disposal plant, recording complaints, recording inspections, keeping record plans of the entire sewerage system to date, and furnishing information to the public.

The Construction Section, numbering 16 employees, under an Associate Civil Engineer, is charged with the entire building operations of sewerage works under contract from the field layouts through the final inspection, and furnishing record plans of work for the sectional plans maintained by Maintenance Section.

The Sewer Use Charge for the year amounted to \$2,444,763.22 and \$362,398.32 was added to taxes for a total of \$2,807,161.54.

The division acquired the following equipment: four Falcon station wagons and two S. H. P. sewer rodding machines.

Late in 1962, another major break occurred in the main intercepting sewer in Massachusetts avenue, west of Clapp street, Dorchester. This 9-foot in diameter sewer was constructed between August, 1879, and November, 1880, under almost insurmountable engineering conditions as gauged by engineer standards of that date. The novel method of construction employed and the fact that the sewer remained in active service for more than eighty years has attracted national attention.

Prior to construction, Massachusetts avenue had not been laid out as a highway. Borings on the line showed beds of mud, at this locus, which were 20 to 86 feet deep below the marsh surface. Because of the danger of maintaining a staple sewer during and after filling for highway construction, it was decided to fill the street to full lines and grades before sewerage works construction.

The contract for placing the fill was commenced January, 1879, and was completed November, 1879. So great was the settlement of this filling into the mud, over 106,000 cubic yards of gravel were required, and the marsh surface for 100 feet on either of the filled street was pushed up by the filling from 8 to 14 feet high. A surcharge, 20 feet wide at the top and 8 feet high, was placed upon the street where the mud was deepest to insure prompt settlement.

It was deemed inadvisable to construct a masonry sewer on such a foundation and a wooden section consisting of an external wooden shell formed of 4-inch spruce planks, 10 inches wide, every fourth plank being wedge shaped, the whole securely spiked and treenailed together and lined with 4 inches of brick or concrete was selected.

The depth of excavation was from 32 to 36 feet and the pressures were so great, that at times, 60 braces of 8-inch by 8-inch or heavier timber was insufficient to contain an 18-foot section of the trench. The wooden shell as well as the lining was increased in size to com-

pensate for settlement. Upon completion, the sewer settled in a long curve to a maximum depth of 18 inches in the 1,894-foot section. That this sewer operated for eighty years seems incredible.

Repairs were made by installing a reinforced concrete arch for a section 140 feet long. Failure showed in the oak treenails, from what appeared to be internal pressures.

The entire one quarter of a mile section should be rebuilt, but, as the Deer Island MDC Treatment Plant is scheduled to be in operation in June, 1965, and a large portion of the sewage carried by the Massachusetts Avenue sewer will be diverted at that time the project has been deferred. After the treatment plant is in operation, reconstruction of the section will be started with a substantial reduction in size and costs.

The mileage of common sewers was increased by 3.65 miles making a total of 1,347.16 miles of sewer and surface drains in the city. The net increase in the number of catch basins was 65, making the total number of catch basins in the city 25,352. In 1963, 43,529 million gallons of sewage was pumped at a cost of \$5.28 per million gallons. The average flow was 119.26 million gallons per day.

WATER DIVISION

The Water Division is composed of four sections: Administration, Construction, Maintenance, and Revenue and provides for the construction, replacement, maintenance and repair of water mains, supply lines, meters, hydrants and various appurtenances; meter reading; and assessing charges to consumers.

The Administrative Section handled the preparation and processing of correspondence, initiated requisitions and supply orders, prepared contract payments and maintained all of the required files and records relating to the water system and its operation.

The Construction Section furnished the engineering and inspection force supervising the laying and relaying of 3.35 miles of water main and the abandonment of 8.

A policy has been established of replacing 50 or more hydrants a year by contract. A contract was let for painting hydrants.

MAINTENANCE SECTION

The Maintenance Section is responsible for the operation and maintenance of the water distributing system, comprising 1,035.5 miles of pipes, including 18.64 miles of high pressure fire service, ranging in size from 2 inches to 48 inches in diameter, and including gates, valves, hydrants, and other appurtenances.

This section provides for the repair of main pipes, service pipes, hydrants and gates, and furnishes emergency service on a 24-hour per day, seven-day per week basis. The section forces are augmented by contractors personnel for excavating and backfilling trenches. Contracts for this work awarded in 1963 totaled \$221,726.25.

This section also operates a maintenance shop which comprises a machine shop, plumbing shop, and meter shop. This unit handles drilling services and the machining and assembly of all new corporation and tapping gates up to 6 inches. Also machined and repaired are defective hydrants and defective gates at the site, if possible. Assistance to the other divisions of the Public Works Department is rendered as required. New meters are installed and old meters are changed, tested, and repaired.

REVENUE SECTION

The Revenue Section performs all of the work involved in processing bills, customer relations, and complaints of plant maintenance. These operations include applications for new services, reading 97,370 meters quarterly, as well as the bookkeeping entailed in these accounts, and the issuance of statements of outstanding water bills to the consumers at the end of the year as a courtesy to the customer.

AREA YARDS

AREA No. 1 YARD, 710 Albany street, Boston. Services: Charlestown, North and West Ends, Back Bay, Stuart, South End, East Boston, Elm Hill, Dudley, Mission Hill, and Roxbury.

AREA No. 2 YARD, 327 Forest Hills street, Jamaica Plain. Services: Jamaica Plain, Brighton, West Roxbury, and Hyde Park.

AREA No. 3 YARD, 160 Hancock street, Dorchester. Services: Dorchester (North), South Boston, and Dorchester (South).

These yards are responsible for the repair and maintenance of main pipes, service and fire pipes, hydrants, gates and providing emergency and general service to the public. The main yard at 710 Albany street maintains emergency crews around the clock for any water service that may be required in any section of the city.

The main yard and the two area yards were assisted by three contractors. The contractual work consisted of excavation and backfilling to allow Water Division employees to repair leaks, lay or relay water services, change hydrants and repair or replace defective appurtenances. This contractual work was performed in a satisfactory manner and proved its value by giving service to the public.

The heavy stock, 20 inches and larger, formerly stored at the main yard at 710 Albany street, is now stored at the Gardner Street dump to compensate for the storage area lost to the City Hospital.

AREA 1 MAINTENANCE SHOPS

The maintenance shops handled all drilling of services in the main yard and assisted, in case of emergency, in the area yards. They continue to machine and assemble 4-inch and 6-inch corporation and tapping gates, repair defective hydrants, repair in the ground, if possible, defective gates and rebuild both corporation, tapping, and high pressure gates. When present gate stock has been depleted all 4-inch and 6-inch gates will be contracted for through regular bidding procedures. Along with this work they are called upon to assist other branches of the Public Works Department in

many special jobs. Contracts were awarded this year for 3,000 $\frac{5}{8}$ -inch meters and for 300 meters ranging in size from $\frac{3}{4}$ -inch to 2-inches. These meters are of the magnetic type and it is indicated from our experience of the previous year that this may be our standard type water meter. The meter shop installs new large meters, changes worn and defective meters, tests, repairs, and maintains records of all meters in and out of service and renders assistance to other divisions in machine and plumbing work.

BUSINESS OFFICE

This office is charged with the responsibility of processing all functions in relation to the revenue from water supply and service.

These functions include processing applications for new services and fire pipes, reading 97,370 meters quarterly, testing, repairing, installing and removing meters and receiving complaints from the water-consuming public. Revenue collected by the Water Division in 1963 amounted to \$9,131,515.70.

The employees assisted on inquiries and computation of sewer charges.

The Water Division processes and resolves all petitions for abatements concerning sewer charges, when such petitions concern water consumption. Those petitions of a technical nature are resolved by the Sewer Division.

The Metropolitan District Commission water assessment for 1963 was \$5,315,843.64 for 44,298,697,000 gallons of water at \$120 per million gallons.

The program of the "lost water survey" continued during the year, with marked success.

The break in the main sewer line and repeated complaints in several sections of abnormally low water pressure, clearly indicate that a major study must be made in the immediate future of both the sewerage system and the water distribution system as both systems are approaching obsolescence.

FISCAL

The cost of operating the Public Works Department for the year 1963 amounted to \$28,367,275.33, of which \$5,132,797.20 was for Metropolitan Water Assessment; and \$1,502,831.24 was for Metropolitan Sewer Assessments.

Appended hereto, is the report submitted by the Public Improvement Commission and statistical data relative to the activities of the various divisions for the year 1963.

Respectfully submitted,

JAMES W. HALEY,
Commissioner of Public Works.

ANNUAL REPORT
OF THE
PUBLIC IMPROVEMENT COMMISSION
FOR THE YEAR ENDING
DECEMBER 31, 1963

January 2, 1964.

HON. JOHN F. COLLINS,
Mayor of Boston

Through the Commissioner of Public Works.

DEAR MR. MAYOR:

In accordance with the provisions of Section 25, Chapter 3 of the Revised City Ordinances of 1961, the following report of the Public Improvement Commission for the year ending December 31, 1963, is respectfully submitted.

The Public Improvement Commission was established May 1, 1954, by the provisions of Section 57, Chapter 2 of the 1954 Ordinances. This Commission consisting of the Commissioner of Public Works, the Commissioner of Real Property, and the Chairman of the Boston Traffic Commission, was assigned all of the powers and duties of the former Board of Street Commissioners, except:

- (a) Those relating to the storage and sale of inflammables, filling stations, and parking lots which were transferred to the Committee on Licenses in the Public Safety Commission.
- (b) Those relating to the planting and removal of trees in public ways, the use of public ways for any temporary obstruction in, under or over the same, the use of public ways for the storage and sale of merchandise.
- (c) Those relating to the abatement of taxes which were transferred to the Real Property Department.

Functions of the Board of Street Commissioners transferred to this Commission include the authority to lay out, widen, relocate, alter, discontinue, or rename public highways, and to order the making of specific repairs therein; to order the construction of sanitary sewers and storm drains; to take land by eminent domain for municipal purposes (except housing and off-street parking); to permit the opening of private ways for public travel; to levy assessments for street, sidewalk, and sewer betterments; and to issue permits for the location of wire-carrying poles, conduits, pipes, tracks, and similar uses of the public ways.

STREET PROGRAM

During the period covered by this report, two hundred and sixty-nine (269) highway improvements were ordered by the Public Improvement Commission, including the laying out of twenty-two (22) new highways, the installation of artificial stone sidewalks and edge-stone in fifty-six (56) streets, the widening and relocation of eighty-five (85) public ways, consisting of 354 widenings, the making of specific repairs in eighty-four (84) streets, the discontinuance of twenty-one (21) streets and revision of one (1) street.

LAYOUTS WITH CONSTRUCTION

The following streets were ordered laid out and constructed as Public Ways during the year 1963:

Academy court, Roxbury (formerly Kerry court), from Academy road approximately 150 feet northerly. Length, 150 feet.

Academy road (formerly Citadel road), Roxbury, from Columbus avenue approximately 600 feet easterly. Length, 600 feet.

Academy terrace (formerly Kelvin court), Roxbury, from Academy road approximately 150 feet northerly. Length, 150 feet.

Banfield avenue, Dorchester, from Wooddale avenue approximately 415 feet northeasterly. Length, 415 feet; estimated cost, \$15,829; estimated benefit, \$7,914.49.

Beech street, West Roxbury and Hyde Park, from a point approximately 50 feet southwest of Alpheus road approximately 570 feet southwesterly. Length, 570 feet; estimated cost, \$16,200; estimated benefit, \$8,101.41.

Beechmont Footway, West Roxbury and Hyde Park, from the end of the proposed layout of an extension of Beechmont street to the end of the proposed layout of an extension of Beech street. Length, 245 feet; estimated cost, \$5,434; estimated benefit, \$2,716.50.

Beechmont street, West Roxbury, extension from end of public portion approximately 200 feet northeasterly. Length, 200 feet; estimated cost, \$46,277; estimated benefit, \$3,667.

Church street, Hyde Park, from River street to Hollis road, estimated cost, \$13,381; estimated benefit, \$6,690.02.

Crestwood park, Roxbury, from Townsend street to Townsend street.

Edgeway terrace, West Roxbury and Hyde Park, from Dale street approximately 1,400 feet southerly. Length, 1,400 feet; estimated cost, \$38,160; estimated benefit, \$6,625.53.

Evandale terrace, Dorchester, from Savin Hill avenue to William T. Morrissey Boulevard. Length, 280 feet; estimated cost, \$17,000; estimated benefit, \$8,500.

Goff street, Hyde Park, from Sherrin street to Lodgehill road. Length, 604 feet; estimated cost, \$13,000; estimated benefit, \$6,500.01

Leseur road, Hyde Park, from Fairmount avenue approximately 175 feet southwesterly. Length, 175 feet; estimated cost, \$5,100; estimated benefit \$2,549.98.

Manchester street, Hyde Park, from Temple street approximately 230 feet east of Cedar street. Length, 230 feet; estimated cost, \$21,294; estimated benefit, \$10,646.99.

Parkson street (formerly Irving street), Hyde Park, from Hyde Park avenue to Clifford street. Length, 436 feet; estimated cost, \$21,186; estimated benefit, \$10,097.98.

Paula road, Dorchester, from a point approximately 200 feet northerly from Clearwater Drive approximately 140 feet. Length, 140 feet; estimated cost, \$6,109; estimated benefit, \$3,723.53.

Slayton Way (formerly Kenyon court), Roxbury, from Ritchie street southerly, easterly, and southerly approximately 400 feet to dead end. Length, 400 feet.

Slocum road, West Roxbury, from Moss Hill road approximately 230 feet northeast of Surreyhill Lane. Length, 230 feet; estimated cost, \$23,800; estimated benefit, \$11,899.93.

Surreyhill Lane, West Roxbury, from Moss Hill road to Slocum road, estimated cost, \$11,200; estimated benefit, \$5,600.01.

Trilling Way, South Boston, from Northern avenue approximately 300 feet southwesterly. Length, 300 feet; estimated cost, \$14,375; estimated benefit, \$9,520.

Weaver court, Roxbury (formerly Luther street), from Weaver Way approximately 130 feet easterly to dead end. Length, 130 feet.

Weaver Way (formerly Hope Lane), Roxbury, from Academy road approximately 370 feet northerly to dead end. Length, 370 feet.

DISCONTINUANCES

Bennington street, East Boston, between Leyder street and Walley street.

Brattle street, Boston Proper, Washington street to former location of Brattle square.

Cambridge street, Boston Proper, southerly side, between Somerset street and Stoddard street.

Chardon court, Boston Proper, Chardon street approximately 100 feet southeasterly.

Chardon street, Boston Proper, Cambridge street to Merrimac street.

Crestwood park, Roxbury, from Townsend street approximately 250 feet northeasterly.

Elm street, Boston Proper, Washington street to Block square.

Franklin avenue, Boston Proper, Brattle street to Cornhill.

Friend street, Boston Proper, Hanover street to Union street.

Friend street, Boston Proper, Merrimac street to former location of Sudbury street.

Green street, Boston Proper, Cambridge street to Staniford street.

Hale street, Boston Proper, Green street to South Margin street.

Hanover street, Boston Proper, Scolly square to Union street.

Hartford street, Boston Proper, from High street to Wendell street.

Mt. Washington avenue, South Boston, from 112 feet northwest of Granite street to 200 feet northwest of Fort Point Channel.

Norman street, Boston Proper, Green street to Merrimac street.

Pitts street, Boston Proper, Green street to Merrimac street.

Portland street, Boston Proper, Merrimac street to former location of Sudbury street.

South Margin street, Boston Proper, Pitts street to Staniford street.

Washington street, Boston Proper, Haymarket square to Cornhill.

Wendell street, Boston Proper, from Hartford street to Oliver street.

WIDENINGS AND RELOCATIONS

Addington road, West Roxbury, at the southeasterly corner of Lyall street and the southwesterly corner of Bonair street.

Adelaide street, West Roxbury, at the northeasterly corner of Spring Park avenue and the northwesterly and northeasterly corners of Adelaide terrace.

Albemarle street, Boston Proper, at the southeasterly and southwesterly corners of St. Botolph street.

Alcorr street, Brighton, at the westerly and easterly corners of Ashford street and the westerly and easterly corners of Gardner street.

Allston street, Brighton, at the southeasterly and northeasterly corners of Greylock road, the northeasterly and southwesterly corners of Hollis place, and the northwesterly and southwesterly corners of Higgins street.

Annavoy street, East Boston, at the northeasterly corner of Saratoga street.

Arthur street, Brighton, at the northwesterly and northeasterly corners of North Beacon street.

Ashford street, Brighton, at the northerly and southerly corners of Linden street, the westerly and easterly corners of Chester street, the westerly and easterly corners of Pratt street, the westerly and easterly corners of Ashford terrace, and the westerly and easterly corners of Hartley terrace.

Ashford street, Brighton, at the bend approximately 200 feet east of Chester street.

Bagnal street, Brighton, at the northwesterly and southeasterly corners of Aldie street and the southwesterly and southeasterly corners of Holton street.

Bayard street, Brighton, at the northeasterly corner of Myrick street and the southwesterly corner of Harvard street.

Bayswater street, East Boston, at the westerly corners of Lillian street and Teragram street.

Beacon street, Boston Proper, at the southerly corner of Arlington street.

Baumont street, Dorchester, at the southeasterly corner of Carruth street, the southwesterly and southeasterly corners of Fairfax street, and the southwesterly and southeasterly corners of Berkshire street.

Becket street, Dorchester, at the easterly corner of Van Winkle street.

Belden street, Dorchester, at the northeasterly and southeasterly corners of Humphreys street, east of Humphreys street, and the northwesterly and southwesterly corners of Gene street.

Boylston street, West Roxbury, at various locations, between Centre street and Washington street, at the southeasterly corner of Germania street, the northeasterly corner of Egleston street, the southeasterly corner of Brookside avenue, the southeasterly and southwesterly corners of Bismarck street, the

northwesterly corner of Boylston place, the northwesterly corner of Danforth street, the westerly corner of Lamartine street, the northeasterly and southwesterly corners of Beecher street, the northeasterly corner of St. Peter street, and the southwesterly corner of Adelaide street.

Brentwood street, Brighton, at the southeasterly and southwesterly corners of Everett street and the northeasterly and northwesterly corners of Athol street.

Broadway, Boston Proper, at the southeasterly corner of Porter street and the northeasterly corner of Eliot street.

Brookley road, West Roxbury, at the northwesterly and northwesterly corner of Forest Hills street.

Byron street, East Boston, at the westerly corner of Saratoga street.

Call street, West Roxbury, at the northerly corner of Boynton street.

Capen street, Dorchester, at the southeasterly and southwesterly corners of Norfolk street, the northwesterly and southwesterly, northeasterly and southeasterly corners of Dyer street, the northeasterly, northwesterly, southeasterly and southwesterly corners of Maxwell street, the northeasterly, northwesterly, southeasterly, and southwesterly corners of Selden street.

Carrolton road, West Roxbury, at the northeasterly and southeasterly corners of Schiller road.

Castle Rock street, Dorchester, at the southeasterly and southwesterly corners of Grampian Way.

Clive street, West Roxbury, at the northwesterly and northeasterly corners of Spring Park avenue.

Colbert street, West Roxbury, at the southeasterly corner of Centre street and the southeasterly and southwesterly corners of Rhoda street.

Columbus avenue, Roxbury, approximately 270 feet south of Ritchie street, approximately 178 feet southerly, at the southwesterly corner of Prentiss street, northwesterly and southeasterly corners of Ruggles street, and the southwesterly corner of Sarsfield street.

Congress street, South Boston, at the northerly corner of Farnsworth street.

Elder street, Dorchester, at the northeasterly corner of Humphreys street.

Eliot street, West Roxbury, at the southwesterly and southeasterly corners of Dane street.

Evans street, Dorchester, at the northwesterly and northeasterly corners of Hopkins street, the northeasterly and southeasterly corners of Nelson street, the northwesterly corner of Crowell street, the northwesterly, southwesterly, northeasterly, and southeasterly corners of Capen street, the northwesterly

and southeasterly corners of Dyer street, at the northwesterly corner of Stanton street, the northwesterly and northeasterly corner of Thetford avenue and the northwesterly corner of Milton avenue.

Farrington avenue, Brighton, at the southerly corner of Linden street.

Franklin street, Brighton, at the northeasterly and northwesterly corners of Aldie street, the southeasterly and northeasterly corners of Bradbury street, the southwesterly and northwesterly corners of Holton street, the southwesterly and southeasterly corners of Weitz street, the northeasterly corner of Easton street, the southwesterly corner of Brentwood street, and the southeasterly corner of Myrick street.

Gardner street, Brighton, at the southwesterly, northeasterly, and southeasterly corners of Linden street, the northwesterly, southwesterly, and southeasterly corners of Chester street.

Glenville avenue, Brighton, at the northeasterly and northwesterly corners of Quint avenue and the southeasterly corner of Allston street.

Gordon street, Brighton, on the easterly side approximately 120 feet north of Commonwealth avenue

Grant street, Dorchester, at the westerly corner of Crescent avenue and the westerly corner of Harbor View street.

Granville street, Dorchester, at the northeasterly and northwesterly corner of Milton street.

Hano street, Brighton, at the southwesterly corner of Braintree street and the northeasterly corner of Cambridge street.

Harvard street, Dorchester, at the southwesterly and southeasterly corners of Errol street, the southeasterly corners of Deering road, the southeasterly corner of Hansborough Street, the southeasterly corner of Brookview street, the southeasterly corner of Greenock street and the northwesterly corner of Lorne street.

Hathaway street, West Roxbury, at the southeasterly and southwesterly corners of Centre street.

Herrick street, Brighton, at the westerly and easterly corners of Hichborn street, the westerly and easterly corners of North Beacon street.

Hildreth street, Dorchester, at the southeasterly and southwesterly corners of Wildwood street.

Hillock street, West Roxbury, at the northeasterly and southeasterly corners of Beryl street, the northwesterly, northeasterly, southwesterly and southeasterly corners of Orange street.

Holbrook street, West Roxbury, at the northeasterly corners of Centre street and the southeasterly and southwesterly corners of Dane street.

Holden street, Dorchester, at the northeasterly corners of Belden street.

Huntington avenue, Hyde Park, at the southwesterly corner of Thatcher street, the northwesterly corner of Westminster street, the northeasterly, northwesterly, southeasterly, and southwesterly corners of Stafford street.

Imrie road, Brighton, at the northwesterly and southwesterly corners of Cambridge terrace, the northeasterly and southeasterly corners of Arnington street, and the southwesterly corner of Cambridge street.

Jess street, West Roxbury, at the southwesterly and southwesterly corners of Porter street.

Magazine street, Dorchester, at the northeasterly and northwesterly corners of Allerton street, the easterly and westerly corners of Cedric street, the easterly and westerly corners of Howard street and the easterly corner of Eustis street.

Magdala street, Dorchester, at the southwesterly corner of Van Winkle street.

March avenue, West Roxbury, at the northwesterly corner of Bellevue street. and the southwesterly corner of Park street.

Middleton street, Dorchester, at the northwesterly corner of Norfolk street and the southwesterly corner of Willowood street.

Milton avenue, Dorchester, at the northwesterly and northeasterly corners of Armandine street, the southeasterly corner of Rockwell street, the southwesterly and southeasterly corners of Maxwell street, the northeasterly corner of Stockton street, the southeasterly corner of Selden street, the northwesterly and southwesterly corners of Fuller street, and the southeasterly corner of Mora street.

Mt. Vernon street, Dorchester, at the northwesterly and southwesterly corners of Buttonwood street.

Murdock street, Brighton, at the southeasterly and northerly corners of Mapleton street, the southerly and northerly corners of Elmira street, the southwesterly, southeasterly, northwesterly, and northeasterly corners of Montcalm avenue, the southwesterly, southeasterly, northwesterly, and northeasterly corners of Gardena street, the southwesterly and southeasterly corners of Saybrook street.

Nancia street, East Boston, at the northerly and easterly corners of Bayswater street.

Norfolk street, Dorchester, at the southwesterly corner of Mildred avenue, the northwesterly corner of Fessenden street, the northwesterly corner of Evelyn street, the northeasterly corner of Clarkwood street, the northwesterly corner of Hosmer street, the southwesterly and southeasterly corners of Elizabeth street, the southwesterly and southeasterly corners of Flint street, the northwesterly and northeasterly corners of Willowood street, the southwesterly corner of Hannon street, the northwesterly corner of Matthew street, the southwesterly corner of Whitman street, the southwesterly corner of Peacevale road, the northwesterly corner of Darlington street, and the southwesterly corner of Chipman street.

Oakton avenue, Dorchester, at the northwesterly and northeasterly corners of Glide street, the northwesterly and northeasterly corners of Flavia street, the northwesterly and northeasterly corners of Rosaria street, and the northwesterly and southwesterly corners of Plain street.

Orange street, West Roxbury, at the northwesterly corner of Beech street, the northwesterly, southwesterly, northeasterly, and southeasterly corners of Cornell street.

Paul Gore street, West Roxbury, at the southeasterly and southwesterly corners of St. Peter street, the southeasterly and southwesterly corners of Danforth street, the southeasterly corner of Beecher street, and the southeasterly corner of Chestnut Hill avenue.

Quincy street, Dorchester, at the southwesterly and southeasterly corners of Mt. Everett street, the southeasterly corners of Stanley street, the northwesterly and southeasterly corners of Bellevue street, the northwesterly corner of Fernald terrace, and the northwesterly and southwesterly corners of Clarkson street.

Rambler road, West Roxbury, at the northwesterly and southwesterly corners of Centre street.

Raymond street, Brighton, at the southeasterly and northwesterly corners of Appian Way, the northeasterly and southwesterly corners of Franklin street, and the northwesterly corner of Riverdale street.

Readville street, Hyde Park, at the northwesterly corner of Knight street.

Rockmere street, Dorchester, at the southeasterly and southwesterly corners of Grampian Way, and the northeasterly corner of Caspian Way.

Roseway street, West Roxbury, at the southwesterly and southeasterly corners of Centre street.

Roslindale avenue, West Roxbury, at the northwesterly and southwesterly corners of Beech street, the northwesterly, southwesterly, northeasterly, and southeasterly corners of Cornell street, the northeasterly and southwesterly corners of Walworth street, the northwesterly and southeasterly corners of Averton street, the northeasterly and northwesterly corners of Alder street, the southwesterly and southeasterly corners of Maria Lane, the northeasterly and southeasterly corners of Durnell avenue, the northwesterly corner of Haslet street, the southwesterly and southeasterly corners of Alban street.

Rustic road, West Roxbury, at the northeasterly and southeasterly corners of Emmonsedale road, the northwesterly and southwesterly corners of Bellevue street.

Sagamore street, Dorchester, at the northeasterly and northwesterly corners of Romsey street, the southeasterly and southwesterly corners of Sudan street, and the southeasterly corner of Belfort street.

Santuit street, Dorchester, at the southeasterly corner of Roseland street.

Savin Hill avenue, Dorchester, at the northeasterly and northwesterly corners of Wave avenue, on a southerly bend approximately 333 feet east of Napier park.

School street, West Roxbury, at the northwesterly corner of Copley street, the southeasterly corner of Arcadia street, the northwesterly and southwesterly corners of Egleston street, the northeasterly and southeasterly corners of Copley street.

South street, Brighton, at the northwesterly corner of Kirkwood road.

Spaulding street, Dorchester, at the northeasterly corner of Daly street, and the northwesterly corner of Train street.

St. Botolph street, Boston Proper, at the northeasterly and southeasterly corners of Massachusetts avenue, the southwestly and southeasterly corners of Blackwood street, the northwesterly, southwestly, northeasterly, and southeasterly corners of Cumberland street, the southwestly and southeasterly corner of Durham street, the northwesterly and southwestly corners of West Newton street.

Strathmore road, Brighton, at the southeasterly and southwestly corners of Chiswick road, the southwestly corner of Sutherland road, and the southwestly corner of Orkney road.

Tyndale street, West Roxbury, at the southwestly corner of Walworth street.

Union street, Brighton, at the northeasterly corner of Shepard street, the southeasterly corner of Lyne road, the northwesterly and northeasterly corners of Shannon street, and the northeasterly corner of Nantasket avenue.

Wollaston terrace, Dorchester, at the northwesterly corner of Jones avenue, and the southwestly corner of Woodrow avenue.

Whitridge street, Dorchester, at the northeasterly and southeasterly corners of Milton street, the southeasterly corner of Cedar Grove street.

Wildwood street, Dorchester, at the southeasterly corner of Morton street.

Winton street, West Roxbury, at the southeasterly and southwestly corners of Beech street.

Wirt street, Brighton, from Washington street to Henshaw street.

SPECIFIC REPAIRS

Addington road, West Roxbury, at the westerly corner of Lyall street, consisting of increasing the curb radius.

Albemarle street, Boston Proper, northwesterly and northeasterly corners of Public Alley No. 448, at the southwestly and southeasterly corners of Public Alley No. 461, and at the northwesterly and northeasterly corners of Albemarle terrace, consisting of increasing the curb radii.

Alcorn street, Brighton, at both corners of Commonwealth avenue, and the southerly and westerly corners of Gardner street, consisting of increasing the curb radii.

Allston street, Brighton, at the northerly and easterly corners of Commonwealth avenue, consisting of increasing the curb radii.

Alveston street, West Roxbury, at the northerly corner of Greenough avenue, consisting of increasing the curb radii.

Annavoy street, East Boston, at the easterly corner of Bayswater street, consisting of increasing the curb radii.

Arthur street, Brighton, at the southwesterly corner of Hichborn street, consisting of increasing the curb radii.

Ashford street, Brighton, at both corners of Sawyer terrace, consisting of increasing the curb radii.

B street, South Boston, from West Fifth street to West Broadway.

Bartlett street, Charlestown, from Monument square to School street, from Pearl street to Walker street.

Bayswater street, East Boston, consisting of increasing the curb radii at the westerly corner of Lillian street, at the westerly corner of Teragram street.

Bayswater street, East Boston, at the easterly corners of Lillian street, Teragram street, and St. Edward road, and the easterly and westerly corners of Shawsheen avenue, consisting of increasing the curb radii.

Beacon street, Boston Proper, consisting of increasing the curb radii at the northerly corner of Berkeley street, easterly and westerly corners of Clarendon street, northerly and southerly corners of Exeter street, easterly and westerly corners of Fairfield street, easterly and westerly and northerly corners of Hereford street, and the northerly corner of Raleigh street.

Beethoven street, West Roxbury, at both corners of Washington street, consisting of increasing the curb radii.

Beethoven street, West Roxbury, at the easterly corner of Arcadia street, consisting of increasing the curb radius.

Belden street, Dorchester, at both sides, at the bend, approximately 50 feet from Gene street, consisting of increasing the curb radii.

Blue Hill avenue, Roxbury, at the southwesterly corner of Fayston street and the southwesterly corner of Quincy street, consisting of increasing the curb radii.

Boylston street, West Roxbury, between Centre street and Washington street, consisting of increasing the curb radii.

Broadway, Boston Proper, at various locations, between Shawmut avenue and Kirkland street, consisting of increasing the curb radii.

Byron street, East Boston, at the northerly corner of Bennington street, at the southerly corner of Bennington street, at the easterly corner of Bennington street, at the northerly corner of Horace street, at the southerly corner of Horace street, at the westerly corner of Horace street, at the westerly corner of Homer street, at the southerly corner of Homer street, at the westerly corner of Cowper street, at the southerly corner of Cowper street, at the northerly corner of Cowper

street, at the easterly corner of Cowper street, at the northerly corner of Coleridge street, at the westerly corner of Coleridge street, consisting of increasing the curb radii.

Chaucer street, East Boston, at the easterly corner of Curtis street, at the southerly corner of Moore street, consisting of increasing the curb radii.

Clark street, Boston Proper, at the southerly corner of Hanover street, at the easterly and westerly corners of North street, at the northerly and westerly corners of Commercial street, consisting of increasing the curb radii.

Clive street, West Roxbury, at both corners of Boylston street, consisting of increasing the curb radii.

Colbert street, West Roxbury, at the southerly corner of Centre street, consisting of increasing the curb radii.

Columbus avenue, Roxbury, between Massachusetts avenue and Prentiss street, consisting of increasing the curb radii.

Congress street, South Boston, at various intersections from a point approximately 125 feet southeast of Stillings street to the Fort Point Channel, consisting of increasing the curb radii.

Curtis street, East Boston, at the easterly corner of Chelsea street, at the southerly corner of Chelsea street, at the westerly corner of Bremen street, consisting of increasing the curb radii.

Eliot street, West Roxbury, at both corners of Centre street and both corners of private way approximately 180 feet southeast of Newsome park.

Everdean street, Dorchester, on both sides, from Ashland street to Victory road, consisting of the reduction in width of the existing sidewalks.

Exchange place, Boston Proper, at the northerly corner of Congress street, consisting of increasing the curb radii.

Farrington avenue, Brighton, at both corners of Harvard avenue, consisting of increasing the curb radii.

Franklin street, Charlestown, from High street to Main street.

Gardner street, Brighton, at both corners of Harvard avenue and Gardner terrace, and the northwesterly corner of Linden street, consisting of increasing the curb radii.

Glenville avenue, Brighton, at the northeasterly corner of Harvard avenue, consisting of increasing the curb radii.

Gordon street, Brighton, at both corners of Commonwealth avenue and Colon street, consisting of increasing the curb radii.

Hano street, Brighton, at the southwesterly corner of Braintree street, and the northwesterly corner of Cambridge street, consisting of increasing the curb radii.

Harvard street, Dorchester, at various locations, from Walk Hill street to Blue Hill avenue, consisting of increasing the curb radii, the reduction in width of existing sidewalks, and increasing the width of existing sidewalks.

Holbrook street, West Roxbury, at the westerly corner of Centre street, consisting of increasing the curb radii.

Holden street, Dorchester, at both corners of Columbia road, consisting of increasing the curb radii.

Homer street, East Boston, at the northerly corner of Moore street, at the easterly corner of Moore street, consisting of increasing the curb radii.

Howell street, Dorchester, at the southerly corner of Boston street, consisting of increasing the curb radii.

Hull street, Boston Proper, at the easterly and southerly corners of Snow Hill street, at the northerly corner of Salem street, consisting of increasing the curb radii.

Huntington avenue, Hyde Park, at the easterly corners of Thatcher street and Westminster street, and the southerly corner of Cromwell road, consisting of increasing the curb radii.

Imrie road, Brighton, at the southeasterly corner of Commonwealth avenue, consisting of increasing the curb radii.

Lakeville road, West Roxbury, at the southeasterly corner of Beaufort road, consisting of increasing the curb radii.

Lamson street, East Boston, at the easterly corner of Webster street, at the southerly corner of Sumner street, at the easterly corner of Sumner street, at the northerly corner of Everett street, at the southerly corner of Everett street, at the easterly corner of Everett street, at the westerly corner of Everett street, at the southerly corner of Maverick street, at the westerly corner of Maverick street, at the northerly corner of Lamson court, at the westerly corner of Lamson court, consisting of increasing the curb radii.

Longwood avenue, Roxbury, between Huntington avenue and St. Alphonsus street, consisting of the elimination of the traffic median island and increasing the sidewalk widths.

Magazine street, Roxbury, at the southeasterly and south-westerly corners of Massachusetts avenue, the northerly and southerly corners of George street, and both corners of Kemble street, consisting of increasing the curb radii.

March avenue, West Roxbury, at the easterly and southerly corners of March terrace and March Way, consisting of increasing the curb radii.

Monastery road, Brighton, at both corners of LaRose place, consisting of increasing the curb radii.

Monument avenue, Charlestown, at the easterly corner of Monument square, at the westerly corner of Monument square.

Monument street, Charlestown, from Bunker Hill street to Monument square.

Moore street, East Boston, on the northerly side about 260 feet easterly of McClellan Highway, consisting of increasing the curb radii.

Moore street, East Boston, at the northerly corner of McClellan Highway, at the northerly corner of Saratoga street, at the westerly corner of Saratoga street, consisting of increasing the curb radii.

Mystic street, Charlestown, from Bunker Hill street to Medford street.

Norfolk street, Dorchester, at various locations, from Blue Hill avenue to Washington street, consisting of increasing the curb radii.

North square, Boston Proper, consisting of increasing the curb radii on the easterly side at the bend approximately 30 feet north of North street and at the bend approximately 80 feet northerly of North street, at the southerly corner of Sun Court street, at the northerly corner of Moon street, at the easterly corner of Garden Court street, at the southwesterly corner of Prince street, and the installation of a new traffic divisional island.

North street, Boston Proper, at the easterly corner of Fulton place, at the easterly corner of Richmond street, at the northwesterly corner of Sun Court street, at the southwesterly and southeasterly corners of Land's court, at the westerly corner of Lewis street, from a point approximately 80 feet westerly of Lewis street, at the easterly and westerly corners of Clark street, at the westerly corner of Harris street, at the easterly and southerly corners of Murphy court, at the northerly corner of Hanover avenue, at the northerly and westerly corners of Power's court, consisting of increasing the curb radii.

North Grove street, Boston Proper, at the southerly corner of Parkman street, at the northerly corner of Cambridge street, consisting of increasing the curb radii.

Orange street, West Roxbury, at the northwesterly and southwesterly corners of Walworth street, consisting of increasing the curb radii.

Paul Gore street, West Roxbury, at the southerly and easterly corners of Centre street, the northerly corner of Rock Hill road, the westerly corners of Beecher street and Chestnut avenue, the easterly corner of Chestnut avenue, the northerly and easterly corners of Danforth street, and the northerly and westerly corners of Lamartine street, consisting of increasing the curb radii.

Prince street, Boston Proper, at the southerly corner of Thacher street, at the northerly corner of Hanover street, consisting of increasing the curb radii.

Providence street, Boston Proper, at the southeasterly corner of Clarendon street, consisting of increasing the curb radii.

Quincy street, Dorchester, between Stanley street and Coleman street, consisting of increasing the curb radii.

Raymond street, Brighton, at the both corners of Holmes street and Mead street, consisting of increasing the curb radii.

Reverend F. X. Coppens square, Dorchester, consisting of the installation of a traffic divisional island.

St. Alphonsus street, Roxbury, between Huntington avenue and McGreevey Way, consisting of the elimination of the traffic median island and increasing the sidewalk width.

St. Botolph street, Boston Proper, at the northerly corner of the alley, 90 feet northerly of Massachusetts avenue, consisting of increasing the curb radii.

St. Botolph street, Boston Proper, approximately 100 feet north of Massachusetts avenue at the northeasterly corner of the alley, consisting of increasing the curb radii.

Salem street, Boston Proper, at the northerly corner of Morton street, at the northerly and southerly corners of Stillman street, at the northerly and southerly corners of Wiget street, at the southerly corner of Cooper street, at the southerly corner of Baldwin place, at the easterly corner of Parmenter street, at both corners of Jerusalem place, consisting of increasing the curb radii.

Salem street, Boston Proper, at the southerly and easterly corners of North Bennet street and Tileston street, and the westerly and southerly corners of Charter street, consisting of increasing the curb radii.

Sanger street, South Boston, from East Seventh street.

Savin Hill avenue, Dorchester, between Pleasant street and Wave avenue, consisting of increasing the curb radii.

Seaverns avenue, West Roxbury, at the northerly corner of Elm street and both corners of Alfred street, consisting of increasing the curb radii.

South street, Brighton, at the northerly corner of Kirkwood road, consisting of increasing the curb radii.

Tuckerman street, South Boston, from Dorchester street to Middle street.

Tufts street, Boston Proper, at the easterly and southerly corners of Lincoln street, at the southerly and westerly corners of Utica street, at the easterly corner of Utica street, at the westerly corner of South street, consisting of increasing the curb radii.

Tyndale street, West Roxbury, at the easterly corner of Ainsworth street and the northwesterly corner of Walworth street, consisting of increasing the curb radii.

Union street, Brighton, at the northwesterly corner of Shepard street, the northwesterly corner of Snow street, and the northwesterly corner of Nantasket avenue, consisting of increasing the curb radii.

Waldemar avenue, East Boston, at the westerly corner of Walley street, consisting of increasing the curb radii.

Water street, Boston Proper, at the easterly and westerly corners of Devonshire street, at the southeasterly corner of Congress street, and the southerly and westerly corners of Kilby street, consisting of increasing the curb radii.

Wilton street, Brighton, at both corners of Wilton terrace, the easterly corner of Cambridge street, and the southerly corner of Braintree street, consisting of increasing the curb radii.

Wordsworth street, East Boston, at the southerly corner of Saratoga street, at the easterly corner of Saratoga street, at the northerly corner of Bennington street, at the westerly corner of Bennington street, consisting of increasing the curb radii.

SIDEWALKS

In connection with Chapter 245 of the Acts of 1958, the Public Improvement Commission ordered the installation of artificial stone sidewalks on the following streets:

Alcorn street, Brighton, from Commonwealth avenue to Ashford street.

Alveston street, West Roxbury, from Roanoke avenue to Greenough street.

Annabel street, Dorchester, from Columbia road to Summer street.

Annvoy street, East Boston, from Saratoga street to Bayswater street.

Arthur street, Brighton, from North street to Highborn street.

Bagnal street, Brighton, from Holton street to Aldie street.

Belden street, Dorchester, from Humphreys street to Hallam street.

Bird street, Dorchester, from Columbia road to New York, New Haven & Hartford Railroad.

Brownson terrace, West Roxbury, on the northwesterly side adjacent to Nos. 9 and 15.

Byron street, East Boston, from Bennington street to Coleridge street.

Byron street, East Boston, from Saratoga street to Bennington street.

Call street, West Roxbury, various locations, from Hall street to McBride street.

Chaucer street, East Boston, from Moore street to McClellan Highway.

Clifford street, Hyde Park, from Neponset Valley Parkway to Stanbro street.

Clive street, West Roxbury, various locations, from Boylston street to Spring Park avenue.

Colbert street, West Roxbury, from Centre street to Guernsey street.

Coleridge street, East Boston, from Byron street to Short street.

Cowper street, East Boston, from Moore street to Rice street.

East Seventh street, South Boston, adjacent to No. 804.

Elder street, Dorchester, from Humphreys street to Columbia road.

Eliot street, West Roxbury, from Pond street to Centre street.

Franklin street, Brighton, from Alcott street to North Harvard street.

Gardner street, Brighton, from Harvard avenue to Malvern street.

Hamilton street, Hyde Park, from Neponset Valley Parkway to Stanbro street.

Herrick street, Brighton, from North Beacon street to Hichborn street.

Hillock street, West Roxbury, from Beryl street to Walworth street.

Hilton street, Hyde Park, from Arlington street to West street.

Homer street, East Boston, from Byron street to Moore street.

Homewood road, West Roxbury, from St. Theresa avenue approximately 360 feet northeasterly.

Huntington avenue, Hyde Park, from Thatcher street to River street.

Lamson street, East Boston, from Webster street to Maverick street.

Lexington avenue, Hyde Park, from River street to Westminster street.

Magdala street, Dorchester, from Gallivan Boulevard to Van Winkle street.

March avenue, West Roxbury, from Bellevue street to Park street.

Milton avenue, Dorchester, from Evans street to Fairmount street.

Monastery road, Brighton, from Colborne road to Washington street.

Murdock street, Brighton, from Mapleton street to North Beacon street.

Nancia street, East Boston, from St. Andrew road to Bayswater street.

Peterborough street, Roxbury, from Park Drive to Kilmarnock street.

Pond Circle, West Roxbury, various locations, from Pond street to Pond street.

Quincy street, Dorchester, from Barry street to Bowdoin street.

Ravenna road, West Roxbury, from Cerdan avenue to Weld street.

River street, Hyde Park, adjacent to No. 1442.

Rockmere street, Dorchester, from Grampian Way to Caspian Way.

Sagamore street, Dorchester, from Savin Hill avenue to Sudan street.

School street, West Roxbury, from Amory street to Washington street.

Strathmore road, Brighton, from Chestnut Hill avenue to the Brookline line.

Tampa street, Hyde Park, from Cummins Highway to Seminole street.

Tremont street, Dorchester, at various locations, between Blue Hill avenue and Babson street.

Union street, Brighton, from Winship street to Monastery road.

Violante street, Hyde Park, from Rockdale street to River street.

Waldemar avenue, East Boston, from Walley street to Crestway road.

Wellsmere terrace, West Roxbury, from Wellsmere road approximately 220 feet northerly.

West Third street, South Boston, at the southerly corner of E street.

Whitridge street, Dorchester, from Milton street to Hill Top street.

Wordsworth street, East Boston, from Bennington street to McClellan Highway.

REVISION OF GRADE

Waldemar avenue, East Boston, from Walley street to Crestway road.

SEWER PROGRAM

During the year 1963 the construction of 0.78 miles of sanitary sewer, 0.67 miles of storm sewer, 19 catch basins, were ordered at a total estimated cost of \$316,447.

The following sewer easements were ordered discontinued:

Fellows court, Roxbury, from Fellows court approximately 240 feet northwesterly.

Hartford street, Boston Proper, from a point approximately 110 feet northwest of Purchase street approximately 230 feet northwesterly.

Shattuck street, Roxbury, from Huntington avenue approximately 480 feet northwesterly.

Sewerage works were ordered as follows:

Sewerage works were ordered as follows:

SEWERAGE WORKS ORDERED

STREET	Sanitary Sewer (Linear Feet)	Surface Drain (Linear Feet)	Catch Basins	Drop Inlets	Cost	Estimated Benefit
Boston Proper						
Cambridge street and Somerset street.....	445				\$22,720 00	
*New Sudbury street and Somerset street.....	190				16,150 00	
Brighton						
Wiltshire road.....	115		2		1,200 00	
Dorchester						
*Bismarck street.....					1,800 00	
Franklin Park Golf Course.....	1,270				24,952 00	
Hancock street.....		700			17,000 00	
*Irene road.....	135	120	1		3,580 00	
Itasca street.....	300	320	2		9,960 00	
Massachusetts avenue...	145				166,751 00	
Savin Hill avenue.....	317	334			14,077 00	
Hyde Park						
*Braewood street.....	228	115	2		5,405 00	
Charles street.....	338	338	2		6,930 00	
*Milton terrace.....		339	2		2,750 00	
*Orlando street.....		337			2,712 00	
West Roxbury						
*Cypress terrace.....	380	280	2		5,510 00	
*Michael road and pri- vate land.....	297	297	2		10,770 00	
Moreland street.....		46			50 00	
*Northdale terrace, pri- vate land.....		115	2		2,360 00	
*Stearns road.....		240	2		1,770 00	

* Easements taken

ASSESSMENTS

During the year 1963 the Highway Division of the Public Works Department sent notice of completion of six (6) streets at a total cost of \$102,781.86. On this work the Public Improvement Commission levied assessments in the amount of \$39,281.33.

During the same period the Sewer Division of the Public Works Department reported the completion of construction of sanitary sewerage in eighteen (18) streets at a cost of \$134,340.32, on which the Public Improvement Commission levied assessments in the amount of \$70,253.56.

With the abolishment of sewer entrance fees by the Supreme Court in 1959, the Public Improvement Commission was empowered to assess parcels of land within a reasonable time after connections were made to sewer from estates that had never paid an assessment for the original improvement. The following is a list of streets in which connections were made:

STREET	District	Assessment
Babson street.....	Dorchester.....	\$78 00
Buckingham street.....	Hyde Park.....	540 00
Mt. Vernon street.....	Dorchester.....	115 50
		<u>\$733 50</u>

During the year 1963, the Highway Division of the Public Works Department sent notice of completion of sidewalks in seven (7) streets at a total cost of \$33,622.94. On this the Public Improvement Commission levied assessments of \$13,538.19.

STREET ASSESSMENTS

STREET	District	Cost	Assessment
Hackensack court.....	West Roxbury....	\$27,308 93	\$7,400 98
Jo-Anne terrace.....	Dorchester.....	8,528 25	3,421 49
Lodgehill road.....	Hyde Park.....	16,920 31	7,092 04
Slocum road.....	West Roxbury....	24,572 88	11,899 93
Stanbro street.....	Hyde Park.....	10,515 03	3,866 88
Surreyhill Lane.....	West Roxbury....	14,936 46	5,600 01
Totals.....	.....	\$102,781 86	\$39,281 33

SEWER ASSESSMENTS

STREET	District	Cost	Assessment
Beech street and private land	West Roxbury, Roxbury-Hyde Park boundary line.....	\$5,347 94	\$4,011 00
Charles street.....	Hyde Park.....	4,262 62	3,039 96
Geraghty Terrace.....	Hyde Park.....	2,873 75	1,582 48
Goldsmith street.....	West Roxbury.....	2,375 74	1,781 80
Holly road.....	West Roxbury.....	4,009 91	2,685 00
Maida terrace.....	Hyde Park.....	2,523 48	1,389 00
Mann street.....	West Roxbury.....	4,070 95	1,518 75
Michael road.....	Brighton.....	8,500 03	5,670 00
Orlando street.....	Dorchester.....	922 88	346 08
Parker street.....	Hyde Park.....	2,092 79	1,569 60
Partridge street.....	West Roxbury.....	6,940 27	4,196 16
Pleasantview street.....	Hyde Park.....	5,488 50	2,384 20
Raldne road.....	Hyde Park.....	20,613 07	7,417 50
Raynes road.....	Hyde Park.....	2,563 79	1,922 83
Running Brook road.....	West Roxbury.....	36,007 39	16,814 35
Silvia court.....	Hyde Park.....	9,256 86	3,144 78
Slocum road.....	West Roxbury.....	9,251 24	6,938 23
Westmoor road.....	West Roxbury.....	7,239 11	3,841 84
Totals.....		\$134,340 32	\$70,253 56

SIDEWALK ASSESSMENTS

STREET	District	Cost	Assessments
Charme avenue.....	West Roxbury.....	\$10,507 63	\$4,239 90
Fremont street.....	Dorchester.....	2,680 60	1,340 30
Guernsey street.....	West Roxbury.....	347 85	162 49
Lindall street.....	West Roxbury.....	5,059 47	2,529 72
Mt. Hope street.....	West Roxbury.....	1,021 49	379 95
Wellsmere terrace.....	West Roxbury.....	7,862 40	1,814 07
Whitridge street.....	Dorchester.....	6,143 50	3,071 76
Totals.....		\$33,622 94	\$13,538 19

LAND DAMAGES

On new street construction 74 claims were filed for damage to property resulting from land takings or changes in grades. On these claims, this Commission awarded damages in the amount of \$20,233.76.

During the period of this report 158 petitions for public utilities were approved for the placing and maintaining of poles for the support of wires.

Also 115 petitions were approved for miscellaneous installations or uses of the public highways of the City of Boston, as follows:

STREET	PETITIONER	NATURE OF PETITION
Adams street, Dorchester	Boston Gas Company	Underground gas main
American Legion Highway, West Roxbury	Boston Gas Company	Underground gas main
Ames street, Dorchester	Boston Gas Company	Underground gas main
Ardee street, East Boston	Boston Gas Company	Underground gas main
Beach street, Boston Proper	M. Melvin Goldberg	Illuminated sign
Beacon street, Boston Proper	M.B.S. Management	Marquee
Blue Hill avenue, Dorchester (Liberty Realty Trust)	Sport Appliance Stores	Illuminated sign
Blue Hill avenue, Dorchester	Prim Cleaners	Illuminated sign
Boylston street, Boston Proper	Boston Five Cents Savings	Illuminated sign
Boylston street, Boston Proper	Hotel Touraine, Inc.	Plain sign
Boylston street, Boston Proper	Plymouth Management Company	Marquee and 3 signs
Braeburn road, Hyde Park	Worcester Gas Light Company	Underground gas main
Braeburn road, Hyde Park	Worcester Gas Light Company	Underground gas main
Brighton avenue, Brighton	Linden Realty Company	Illuminated sign
Broad street, Boston Proper	J. C. Tuxen Desk Company	Plain sign
Cambridge street, Brighton (North Beacon street, Brighton)	Boston Gas Company	Steel gas main
Cambridge street, Boston Proper (New Sudbury street, Boston Proper)	Boston Gas Company	Underground gas main
Caspian Way, Dorchester	Boston Gas Company	Underground gas main
Caspian Way, Dorchester (Castle Rock street, Dorchester)	Boston Gas Company	Underground gas main
Central square, East Boston	Lombardo's	Illuminated sign
Central avenue, Hyde Park	Worcester Gas Light Company	Underground gas main
Charles street, Boston Proper	68 Beacon street, Inc.	Oil tank
Chelsea street, East Boston	Franklin Cleaners	Illuminated sign
Clarendon street, Boston Proper	Boston Edison Company	Conduit
Columbus avenue, Roxbury	Boston Gas Company	Underground gas main
Columbus avenue, Roxbury	Boston Gas Company	Underground gas main
Commonwealth avenue, Boston Proper	Back Bay Rambler	Illuminated sign

STREET	Petitioner	Nature of Petition
Commonwealth avenue, Brighton	Boston Vespa Company	Scooter
Commonwealth avenue, Brighton	Commonwealth Chevrolet Company	Illuminated sign
Commonwealth avenue, Brighton	N. Garvey, Commonwealth Chevrolet	Illuminated sign
Commonwealth avenue, Brighton	First National Stores	Permanent marquee
Court street, Boston Proper	Boston Gas Company	Underground gas main
Cunningham street, Roxbury (Hartford street, Roxbury)	Boston Gas Company	Underground gas main
Crockers Lane, West Roxbury (Shaw street, West Roxbury)	Boston Gas Company	Underground gas main
Dalton street, Belvidere street, Scotia street, Boston Proper	Boston Edison Company	Conduits
Essex street, Boston Proper	Meyer Brothers	Illuminated sign
Fairmount avenue, Hyde Park	Worcester Gas	Underground gas main
Farragut road, South Boston (East Second street, South Boston)	Boston Gas Company	Underground gas main
Federal street, Boston Proper	Billy Vigor's Surplus	Plain sign
Federal street, Boston Proper	Boston Federal Loan and Loan Association	Illuminated sign
Franklin street, Boston Proper	Bob Smith Sporting Goods	Illuminated sign
Franklin street, Boston Proper	Bob Smith Sporting Goods	Plain sign
Geneva avenue, Dorchester	Isaac Uretsky	Illuminated sign
Glenellen road, West Roxbury	Boston Gas Company	Underground gas main
Greenwood avenue, Hyde Park	Worcester Gas Light Company	Underground gas main
Hanover street, Boston Proper	Anthony Viola	Marquee
Harrison avenue, Boston Proper	Boston Edison Company	Conduit
Harrison avenue, Boston Proper	Meyer Brothers	Illuminated sign
High street, Boston Proper	British Properties, Inc.	Caissons
Huntington avenue, Boston Proper	Boston Edison Company	Conduit
Huntington avenue, Boston Proper	Copley Square Hotel	Illuminated sign
Huntington avenue, Boston Proper	Stuart House	Illuminated sign
Hyde Park avenue, West Roxbury	Boston Gas Company	Underground gas main
Itasca street, Dorchester	Boston Gas Company	Underground gas main
Kingston street, Boston Proper	J. J. Foley's Grill	Illuminated sign
Kingston street, Boston Proper	Massachusetts Limb and Brace Company	Plain sign
La Grange street, West Roxbury	Boston Gas Company	Underground gas main
Lansdowne street, Boston Proper	Metropolitan Coal and Oil Company	Fill pipe
Laurie avenue, West Roxbury	Boston Gas Company	Underground gas main
Lowell street, Boston Proper	Rose B. Kabitsky	Sidewalk door
Maple street, West Roxbury	Boston Gas Company	Underground gas main
Marbury terrace, Roxbury	Boston Gas Company	Underground gas main
Marbury terrace, Roxbury	Boston Gas Company	Regulator pits
Marshall street, Boston Proper	Tammy's Cafe	Illuminated sign

STREET	Petitioner	Nature of Petition
Massachusetts avenue, Boston Proper	Billy Franks Men's Shop	Illuminated sign
Merrimac street, Boston Proper	Boston Gas Company	Underground gas main
Metropolitan avenue, Hyde Park	Worcester Gas Light Company	Underground gas main
Metropolitan avenue, Hyde Park	Worcester Gas Light Company	Underground gas main
Moss Hill road, West Roxbury	Boston Gas Company	Underground gas main
200 North Beacon street, Brighton	Echo Lounge	Illuminated sign
Pemberton square, Boston Proper	Boston Gas Company	Underground gas main
Pemberton square, Boston Proper	Suffolk County Court House Commission	Shelter
Portland street, Boston Proper	The Gerrity Company	Sign
Poydras street, Hyde Park (Belnel road, Hyde Park)	Worcester Gas Light Company	Underground gas main
Public Alley No. 442, Boston Proper	Boston Edison Company	Conduit or pipe
Ridgemont street, Brighton	Boston Gas Company	Underground gas main
River street, Dorchester	Stardust Cleaners	Illuminated sign
River street, Hyde Park	Worcester Gas Light Company	Underground gas main
River street, Hyde Park	Worcester Gas Light Company	Underground gas main
Rosemary street, West Roxbury	Boston Gas Company	Underground gas main
Ruskindale road, Hyde Park	Worcester Gas Light Company	Underground gas main
Rutledge street, West Roxbury	Boston Gas Company	Underground gas main
Scollay square, Boston Proper	Boston Gas Company	Underground gas main
Southampton street, Roxbury	Boston Gas Company	Underground gas main
Sprague street, Hyde Park	Worcester Gas Light Company	Underground gas main
Sprague street, Hyde Park	Worcester Gas Light Company	Underground gas main
Stanford street, Boston Proper	Boston Edison Company	Conduit
State street, Boston Proper	89 State Street Corporation	Marquee
Stoughton street, Boston Proper	Massachusetts Memorial Hospitals	Duct
Stuart street, Boston Proper (Trinity place, Boston Proper)	Boston Edison Company	Conduit
Stuart street, Boston Proper	Boston Edison Company	Conduit
Stuart street, Boston Proper	Boston Edison Company	Conduit
Summer street, Boston Proper	Billy Vigor's Surplus	Plain sign
Summer street, Boston Proper	George Feldman Company, Inc.	Plain sign
Summer street, Boston Proper	C. H. Whittier and Brothers	Plain sign
Summer street, Boston Proper	Morris Fisher	Sign
Summer street, Boston Proper	A. W. Perry, Inc.	Sign
Tampa street, Hyde Park	Worcester Gas Light Company	Underground gas main
Tremont street, Boston Proper	Boston Gas Company	Underground gas main
Tremont street, Boston Proper	Copper Skillet	Illuminated sign
Tudor street, South Boston	Boston Gas Company	Underground gas main
Warren street, Roxbury	Charles Liquors	Illuminated sign
Warrenton street, Boston Proper	Robert C. McHugh	Lampost

STREET	Petitioner	Nature of Petition
Washington street, Boston Proper	Boston Gas Company	Underground gas main
Washington street, Boston Proper	City Stores, Inc.	2 Illuminated signs
Washington street, Boston Proper	Intermission Lounge	Illuminated sign
Washington street, Boston Proper	Joseph Glasser Jeromes Grill	Illuminated sign
Washington street, Dorchester	Dorchester Savings Bank	Illuminated sign
No. 643 Washington street, Dorchester	Washington Fur Storage Company	Illuminated sign
Washington Street North, Boston Proper	Sam's Radio Store	Illuminated sign
Water street, Charlestown	Blue Mirror Cafe	Illuminated sign
West Broadway, South Boston	Kahn's Market, Inc.	Illuminated sign
West Broadway, South Boston	M. Gervino, Royal Cafe	Illuminated sign
Westminster street, Hyde Park	Worcester Gas Light Company	Underground gas main

PRIVATE WAYS

During the year 1963, permission was given to prepare for public travel the following private ways:

Beaver street, Hyde Park, from Braeburn road approximately 185 feet easterly.

Blue Ledge Drive, West Roxbury, from Washington street to approximately 385 feet westerly to Highest road.

Blue Ledge terrace, West Roxbury, from Blue Ledge Drive to approximately 270 feet easterly.

Bradlee court, Hyde Park, from Bradlee street approximately 235 feet easterly.

Bradlee Lane, Hyde Park, from Bradlee street approximately 235 feet easterly.

Bradlee park, Hyde Park, from Bradlee street approximately 235 feet easterly.

Crestview road, West Roxbury, from Augustus avenue approximately 245 feet northwesterly.

Cypress terrace, West Roxbury, from Cypress street approximately 290 feet southerly.

Harding road, West Roxbury, from Stella road approximately 360 feet northerly and easterly.

Highest road, West Roxbury, from Blue Ledge Drive to approximately 1,175 feet southerly and southeasterly.

Highest terrace, West Roxbury, from Highest road to approximately 395 feet southeasterly.

Hillis road, Hyde Park, from Church street to approximately 220 feet southwesterly.

Irena road, Dorchester, from Adams street approximately 160 feet northwesterly and westerly.

June street, West Roxbury, from Blue Ledge Drive to approximately 360 feet northeasterly.

Leverett avenue, East Boston, from Bennington street to approximately 280 feet southeasterly.

Maple Terrace Extension, West Roxbury, from a point approximately 215 feet northeast of Maple street approximately 95 feet northeasterly.

New Haven street, West Roxbury, from Stimson street approximately 185 feet northeasterly.

Red Pine road, Hyde Park, from Milton avenue approximately 260 feet southwesterly.

Sparrow street, West Roxbury, from Partridge street to a point approximately 110 feet easterly.

Starbird avenue, West Roxbury, from Byrd avenue approximately 150 feet southwesterly.

Tennis road, Dorchester, from Almont street approximately 240 feet easterly and southeasterly.

Walford Way, Charlestown, from Polk street to Decatur street.

Wright street, West Roxbury, from Hawthorne street approximately 224 feet northeasterly.

During the same period, permission was given to open for public travel the following private ways:

Belle avenue, West Roxbury, from Northdale road approximately 400 feet northerly.

Bismarck street, Dorchester, from Cummins Highway approximately 185 feet southwesterly.

Chesterfield street, Hyde Park, from Manila avenue to Vallaro road.

Dellmore road, West Roxbury, from Hyde Park avenue to Brookway Footpath.

Farrington street, Hyde Park, from Chesterfield street approximately 265 feet southwesterly.

Gladeside terrace, Dorchester, from Gladeside avenue approximately 140 feet northwesterly.

Gould street, West Roxbury, between Belle avenue and Northdale road.

Michael road, Brighton, from Rushmore street approximately 210 feet westerly.

Neponset avenue, Hyde Park, from Brush Hill terrace approximately 136 feet northwesterly.

Northdale road, West Roxbury, from Gould street to approximately 295 feet southerly.

Running Brook road, West Roxbury, from Woodley avenue to Westmoor road.

During the same period, permission was given to open for public travel the following private ways:

Warren park, Hyde Park, from Warren avenue approximately 260 feet northeasterly.

Westmoor Circle, West Roxbury, from Westmoor road approximately 105 feet westerly.

Westmoor road, West Roxbury, from Woodley avenue approximately 200 feet northeasterly beyond Running Brook road.

Westmoor terrace, West Roxbury, from Westmoor road approximately 320 feet northwesterly.

Woodley avenue, West Roxbury, from De Soto road approximately 1,460 feet northeasterly.

JAMES W. HALEY, *Chairman*,
THOMAS F. CARTY,
JAMES J. SULLIVAN, JR.

APPENDIX A
CENTRAL OFFICE

- Table 1—Summary of Appropriations, Expenditures, and Balances
Table 2—Grade and Number of Employees
Table 3—Appointments, Transfers, Deaths, etc.

LOAN ORDERS—OUTSTANDING DEBT

- Table 1—Public Ways
Table 2—Sewerage Works
Table 3—Bridges

AUTOMOTIVE EQUIPMENT

- Table 1—List as of December 31, 1963
Table 2—Added or Ordered in 1963

PERMITS

- Table 1—Permits Issued and Cash Receipts

APPENDIX B

ENGINEERING DIVISION

- Table 1—Reproductions
Table 2—Survey Section Work
Table 3—Design Section

APPENDIX C

HIGHWAY DIVISION

- Table 1—Work Done by Contract
Table 2—Street Construction Work
Table 3—Summary of Cost Construction and Reconstruction Highway Construction
Table 4—Highway Maintenance Work
Table 5—Street Lights (New)
Table 6—Drawbridge Expenditures
Table 7—Waterborne Travel Through Drawbridges
Table 8—Expenditures on Island Bridges

APPENDIX D

SANITARY DIVISION

- Table 1—Payment to Refuse Collection Contractors
Table 2—Summary of Payment
Table 3—Incinerator Performances
Table 4—Incinerator Tonnage Burned
Table 5—Incinerator Fiscal Account

APPENDIX E

SEWER DIVISION

Table	1—Receipts and Expenditures
Table	2—Sewerage Works Contracts
Table	3—Summary of Sewer Construction
Table	4—Maintenance Section: Miles of Sewers
Table	5—Catch Basins

APPENDIX F

WATER DIVISION

Table	1—Receipts and Expenditures
Table	2—Meters in Service
Table	3—Meters in Shop
Table	4—Meters Repaired in Shop
Table	5—Meters Purchased
Table	6—Meters Reset
Table	7—Meters Changed
Table	8—Meters Repaired in Service
Table	9—Meters Applied
Table	10—Meters Discontinued
Table	11—Reasons for Meter Change
Table	12—Meters Junked

APPENDIX A

TABLE I

SUMMARY OF APPROPRIATIONS, EXPENDITURES, AND BALANCES

(As of December 31, 1963)

Activity	Carried Forward from 1962	Appropriation 1963	Transfers in from Other Sources	Revenue Received During 1963	Total Amount Available	Expenditures 1963	Unexpended Balance	Unliquidated Encumbrances	Unencumbered Balance	Carried Forward to 1964
General budget.....	\$452,013 94	\$9,053,063 00	\$415,176 15	.....	\$9,920,253 09	\$9,648,071 92	\$272,181 17	\$272,181 17	.....	\$272,181 17
Water budget.....	278,232 39	3,128,849 00	85,980 00	.....	3,493,061 39	2,936,157 38	556,904 01	184,934 28	\$371,969 73	184,934 28
Sewer budget.....	2,078 18	789,352 00	40,502 00	.....	831,932 18	820,279 89	11,652 29	7,707 43	3,944 86	7,707 43
Snow budget.....	187,344 86	400,000 00	449,462 18	.....	1,036,807 04	1,036,807 04	.....	105,001 04	105,001 04	105,001 04
Washington Park redevelopment.....	.....	.....	455,500 00	.....	455,500 00	19,036 04	436,463 96	.....	436,463 96	436,463 96
Extraordinary repairs.....	.....	85,950 59	.....	.....	85,950 59	77,484 25	8,466 34	5,618 00	2,848 34	8,466 34
Garage, Albany street.....	171,601 63	.....	.....	.....	171,601 63	.....	171,601 63	3,240 00	168,361 63	171,601 63
Public Ways, Loan.....	3,805,913 00	.....	.....	\$259,524 05	4,065,437 05	2,581,035 66	1,484,401 39	1,328,067 44	156,333 95	1,484,401 39
Bridges, Loan.....	2,076,155 00	.....	.....	163,316 56	2,239,471 56	69,131 93	2,170,339 63	152,450 14	2,017,889 49	2,170,339 63
Sewerage, Loan.....	1,344,075 00	.....	.....	7,526 70	1,351,601 70	617,488 27	734,113 43	269,325 77	461,787 66	734,113 43
Highway, Chapter 782.....	.....	1,436,805 88	.....	.....	1,436,805 88	551,985 35	884,820 53	803,048 86	81,771 67	884,820 53
Water revenue.....	1,813,148 12	.....	.....	5,035,306 04	6,848,454 16	7,572,701 71	724,307 55	.....	724,307 55	.....
Sewer revenue.....	.....	.....	.....	1,861,091 80	1,861,091 80	2,437,035 89	676,944 09	.....	676,944 09	.....
Other Department revenue.....	.....	.....	.....	335,328 46	335,328 46	.....	.....	.....	.....	.....
Totals.....	\$10,130,562 12	\$14,894,020 47	\$1,446,020 33	\$7,662,093 61	\$34,133,296 53	\$28,367,275 33	\$5,430,692 74	\$3,131,574 13	\$2,299,118 61	\$6,250,028 75

The records of the department show that there are now 1,480 persons eligible for employment in the several divisions, and of that number 1,380 were upon the January 2, 1964, payrolls.

TABLE 2
GRADE AND NUMBER OF EMPLOYEES

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Commissioner.....	1							1
Administrative assistant.....	2							2
Assistant civil engineer.....			8		6	13	1	28
Assistant drawtender.....			39					39
Assistant sewer pumping station operator.....					2			2
Assistant superintendent.....			1				1	2
Assistant supervisor.....			1					1
Associate civil engineer.....			2		2	2	1	7
Cashier and weigh clerk.....				1				1
Chief communication equipment operator.....		1						1
Chief electrician.....			1					1
Chief inspector.....			1		1			2
Chief sewer pumping station operator.....					1			1
Chief water meter reader.....							1	1
Clerk.....							6	6
Clerk and typist.....	1		1	1	1		3	7
Communication equipment operator.....		3						3
Constable.....	1							1
Crane operator.....				11				11
Director of transportation.....		1						1
District foreman.....							1	1
Division engineer.....			1	1	1	1	1	5
Drawtender.....			7					7
Electrician.....			1	1				2
Electrician-operator.....					1			1
First assistant drawtender.....			20					20

TABLE 2
GRADE AND NUMBER OF EMPLOYEES — Continued

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Garage attendant.....		7	1					8
Garage foreman.....		4					1	5
General foreman.....		2						2
Head account clerk.....							1	1
Head administrative clerk.....	1	1	1	1	1	1		6
Head clerk.....	4		1				2	7
Head permit investigator.....	1							1
Head photostat operator.....						1		1
Heavy motor equipment operator.....		2	58	15	2		20	97
Heavy motor equipment repairmen.....								
Inspector.....			71	37	10		17	135
Investigator.....	4							4
Junior civil engineer.....			4			7	1	12
Junior engineering aid.....			5				1	6
Laborer.....			280	43	14		31	368
Maintenance mechanic (Blacksmith).....		4						4
Maintenance mechanic (Bricklayer).....							1	1
Maintenance mechanic (Carpenter).....		4	6					10
Maintenance mechanic (Machinist).....			3				14	17
Maintenance mechanic (Mason).....					1			1
Maintenance mechanic (Millwright).....				2				2
Maintenance mechanic (Painter).....		3	1					4
Maintenance mechanic (Plumber).....							15	15
Maintenance mechanic (Sheet Metal Worker).....		1						1
Maintenance mechanic (Welder).....		4						4
Maintenance mechanic foreman (Carpenter).....		1						1
Maintenance mechanic foreman (Machinist).....							1	1
Maintenance mechanic foreman (Millwright).....				1				1
Maintenance mechanic foreman (Welder).....		1						1
Maintenance mechanic helper.....		7			2		6	15
Maintenance foremen.....			7		4		1	12
Maintenance men.....		11		3				14
Mobile guard.....		1						1
Motor equipment operator.....		2	75	10	7		11	105

TABLE 2
GRADE AND NUMBER OF EMPLOYEES — Continued

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Motor equipment repair foreman.....		4						4
Paver.....			15					15
Personnel assistant.....	1							1
Photographer.....						1		1
Principal account clerk.....	6	1	1	1			3	12
Principal civil engineer.....				2	1	4		7
Principal clerk.....					1		7	8
Principal clerk and stenographer.....	1		1		1	1		4
Principal clerk and typist.....	4	1	1					6
Principal electrical engineer.....			1					1
Principal photostat operator.....						1		1
Principal storekeeper.....		1					1	2
Public relations representative.....								
Repairmen.....		20						20
Sanitation foreman.....				2				2
Senior account clerk.....				1			5	6
Senior accounting machine operator.....							2	2
Senior administrative assistant.....	1							1
Senior cashier.....	1							1
Senior civil engineer.....			4		2	1		7
Senior clerk.....				1			4	5
Senior clerk and stenographer.....	2		2	1			2	7
Senior clerk and typist.....	4	1				1	1	7
Senior engineering aid.....			3		3	2		8
Senior personnel officer.....	1							1
Senior storekeeper.....		1					2	3
Sewer cleaner.....					7			7
Sewer gatemen.....					9			9
Sewer pumping station operator.....					5			5
Sewer service repairmen.....					3			3
Sign painter and letterer.....		2						2
Special heavy motor equipment operator.....		1	5	4	1			11
Special water meter reader.....							5	5
Steam firemen.....				2	7			9

TABLE 2
GRADE AND NUMBER OF EMPLOYEES — Concluded

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Steam firemen (incinerator).....				6				6
Stoker.....				16				16
Storekeeper.....			1	1				2
Superintendent.....		1	2	2	1		1	7
Supervisor.....	2	1	11	6	1		5	26
Watchmen.....				1				1
Water meter reader.....							21	21
Water meter repairmen.....							14	14
Water service maintenance men.....							14	14
Water service repairmen.....							24	24
Working foremen.....		2	3	9	8		14	36
Yard clerk.....				2			6	8
Yardmen.....					1		3	4
Yardmaster.....							1	1
	38	96	646	184	107	36	273	1,380

TABLE 3
NUMBER OF EMPLOYEES ACTUALLY EMPLOYED JANUARY 1, 1963 AND JANUARY 1, 1964

TITLE	Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
January 1, 1963	140	685	183	116	42	287	1,453
January 1, 1964	134	646	184	107	36	273	1,380

Total Eligible Force

January 1, 1963	141	720	200	120	60	310	1,551
January 1, 1964	125	685	200	122	60	288	1,480

Appointments, Transfers, Deaths, Etc.

Appointed	Reinstated	Transferred from Other Departments	Transferred from Other Services	January 1, 1964	Services 1963-1964	January 1, 1963	Resigned	Discharged	Transferred to Other Services	Transferred to Other Departments	Retired	Died
....	1	1	9	134	Central Office.....	140	....	....	7	1	9	
30	3	3	15	646	Highway.....	685	23	7	11	9	35	5
21	1	.....	6	184	Sanitary.....	183	2	7	9	1	5	3
2	.....	.....	2	107	Sewer.....	116	5	2	.....	.....	3	3
.....	.....	.....	.....	36	Engineering	42	3	.....	.....	.....	2	1
1	.....	1	2	273	Water.....	287	5	1	6	.....	3	3
54	5	5	34	1,380	Totals.....	1,453	38	17	33	11	57	15

OUTSTANDING BONDED DEBT

TABLE I

PUBLIC WAYS—CONSTRUCTION OF

Outside Debt Limit	Issued	Series Due	Amount
2½s.....	1953	10/1/63	\$200,000
1½s.....	1954	10/1/64	400,000
2½s.....	1955	4/1/65	600,000
3s.....	1956	1/62-65	400,000
3s.....	1957	5/1/67	500,000
5s.....	1957	10/1/67	250,000
5s.....	1958	10/1/68	600,000
4s.....	1959	11/1/69	1,050,000
3½s.....	1960	11/1/70	1,600,000
3s.....	1961	11/1/71	1,350,000
2¾s.....	1962	11/1/72	1,700,000
Total.....	.....	.....	\$8,650,000

TABLE 2
SEWERAGE WORKS

INSIDE DEBT LIMIT	Issued	Series Due	Amount
3 $\frac{1}{4}$ s.....	1934	11/1/64	\$50,000
3s.....	1937	9/1/67	20,000
2 $\frac{3}{4}$ s.....	1937	12/1/67	25,000
2 $\frac{3}{4}$ s.....	1938	6/1/68	96,000
1 $\frac{3}{4}$ s.....	1939	8/1/69	28,000
1 $\frac{3}{4}$ s.....	1940	7/15/70	19,000
2s.....	1941	12/15/71	53,000
2s.....	1942	12/1/72	100,000
1 $\frac{1}{2}$ s.....	1943	12/1/73	110,000
1 $\frac{1}{4}$ s.....	1944	8/1/74	74,000
1 $\frac{1}{4}$ s.....	1945	12/1/75	169,000
1 $\frac{1}{4}$ s.....	1946	7/1/76	280,000
1 $\frac{3}{4}$ s.....	1947	5/1/77	475,000
2s.....	1948	12/1/78	80,000
2 $\frac{1}{4}$ s.....	1949	12/1/79	460,000
1 $\frac{1}{2}$ s.....	1949	11/1/79	255,000
1 $\frac{3}{4}$ s.....	1950	6/1/80	310,000
1 $\frac{3}{4}$ s.....	1951	10/1/71	225,000
Total.....			\$2,829,000

Outside Debt Limit	Issued	Series Due	Amount
2½s.....	1952	10/1/72	\$250,000
2¼s.....	1953	10/1/73	550,000
2s.....	1955	3/1/75	325,000
2½s.....	1955	10/1/75	325,000
3½s.....	1957	5/1/77	375,000
3½s.....	1957	10/1/77	375,000
3¾s.....	1960	11/11/79	425,000
3½s.....	1960	11/11/80	450,000
3s.....	1961	11/1/81	475,000
3s.....	1962	11/1/82	500,000
Total.....			\$4,050,000
Inside Debt Limit.....			\$2,829,000
Outside Debt Limit.....			4,050,000
Total.....			\$6,879,000

TABLE 3
BRIDGES—RECONSTRUCTION AND REPAIR

Inside Debt Limit	Issued	Series Due	Amount
1½s.....	1950	6/1/70	\$160,000

Bridges, Construction of

Inside Debt Limit	Issued	Series Due	Amount
1½s.....	1943	11/1/63	\$7,000
1¼s.....	1945	12/1/65	24,000
Total.....			\$31,000

Outside Debt Limit	Issued	Series Due	Amount
2s.....	1952	4/1/72	\$250,000
2½s.....	1952	10/1/72	155,000
2¾s.....	1953	4/1/73	335,000
2¼s.....	1954	4/1/74	830,000
2s.....	1955	4/1/75	325,000
2½s.....	1955	10/1/75	325,000
3s.....	1956	11/1/76	560,000
3½s.....	1957	5/1/77	150,000
3¾s.....	1957	10/1/77	375,000
3¼s.....	1959	11/1/79	425,000
3s.....	1962	11/1/82	300,000
Total.....			\$4,020,000
Inside Debt Limit.....			\$31,000
Outside Debt Limit.....			4,020,000
Total.....			\$4,051,000

AUTOMOTIVE EQUIPMENT

TABLE 1

LIST AS OF DECEMBER 31, 1963

Passenger cars	86
Snowfighting trucks, Walter Oshkosh and FWD	16
Trucks: Ford, Model E160	6
Trucks: Ford, Model F350	47
Trucks: Ford, Model P500	4
Trucks: Ford, Model F600	23
Trucks: Ford, Model F750	31
Trucks: Ford, Model F800	2
Trucks: Ford, Model F850	67
Trucks: Ford, Model C850	8
Trucks: Ford, Model C950	9
Trucks: Ford, Model C1100	21
Miscellaneous trucks—Chevrolet, International, Willys, Dodge, Diamond T	21
Truckster—Cushman	1
Tractors—International and Caterpillar	4
Mechanical street sweepers: Wayne	19
Mechanical street sweepers: Elgin	11
	— 30
Industrial sweepers—Tennant	2
Compressors:—Worthington trailers	17
Compressors:—Truck mounted	5
	— 22
Front end loaders:—Trojan	9
Front end loaders:—Hough	15
Front end loaders:—Michigan	4
	— 28
Grader—Galion	1
Road rollers—Galion	2
Cranes—Unit and Bay City	2
Flusher tanks:—Robinson	10
Flusher tanks:—Etnyre	3
	— 13
Sandspreaders:—Jet	10
Sandspreaders:—Baughman	6
Sandspreaders:—Fox	32
	— 48
	<hr/> 494

Plus 23 trailers, transport, toolbox, bandstand, sewer rodders, etc.

TABLE 2

New Equipment purchased from 1963 appropriations:

17	Falcon station wagons.....	\$31,674 45
4	Elgin street sweepers.....	49,000 00
4	2,000-gallon flusher tanks.....	18,548 00
10	F850 dump trucks.....	64,417 00
4	F850 dump trucks with cranes.....	37,957 20
10	F350 1-ton Pickup trucks.....	18,536 00
2	$\frac{3}{4}$ -ton trucks with service bodies.....	4,775 84
6	Van-type E160 trucks.....	11,203 55
1	Back hoe.....	4,645 20
1	Overhead hoist.....	1,475 00
1	Air compressor.....	825 00
1	Clam shell bucket.....	1,237 50
1	Steam cleaning machine.....	658 56
1	Hydraulic hoist for derrick truck.....	108 00
48	Fire extinguishers.....	411 60
		<hr/>
		\$245,472 90

New equipment from snow removal appropriation:

4	C1100 chasis and cabs.....	\$31,416 66
10	Two-way plows.....	11,330 00
4	One-way plows.....	5,009 76
10	Sandspreaders, hydraulic.....	27,120 00
4	Sandspreaders, motor in rear.....	13,538 00
1	Short block assembly for snowfighter.....	1,972 00
		<hr/>
		\$90,386 42

The Maintenance Branch of the Public Works department for the past year has been investigating the use of snow melting machines and viewing demonstrations and hopes to make a decision for the purchase of a snow melter early in 1964.

TABLE 1

PERMITS, LICENSES, DEPOSIT RECEIPTS, ISSUED

Permits—signs.....	6,927
Permits—opening and Occupation.....	3,552
Permits—special.....	179
Permits—public service corporations.....	2,935
Permits—city department, no fees.....	1,856
Licenses—sidewalk.....	308
Permits—sewer, new connections.....	305
Permits—sewer, repairs.....	194
Deposit—street opening account.....	681
Deposit—water account.....	756
	<hr/>
Total permits issued.....	17,684
Contract books and specifications.....	456
Dump tickets.....	10,446

PERMIT BRANCH — 1963

CASH RECEIPTS

Permits — signs	\$83,101 05	
Permits — openings and occupation	54,552 10	
Engineering and inspection fees — street opening accounts	52,549 70	
Licenses — sidewalk	20,675 13	
Rental of city land (under control Public Works Department)	17,408 33	
Sewer inspection fees	12,525 00	
Dump permit tickets	10,446 00	
Water use (through city hydrants)	3,200 00	
Contract books (sale)	1,076 00	
Engineering reproductions	193 00	
Towing	282 30	
	<hr/>	
Total cash receipts		\$256,008 61

SPECIAL ACCOUNTS

Sewer Department — non-revenue (inspectors salaries, etc.)	\$7,566 02	
Water Division — damage to city property	4,812 19	
Highway Division — damage to city property	46 00	
	<hr/>	
Total special accounts		12,424 92

DEPOSIT ACCOUNTS

Water deposits	\$125,090 05	
Street opening account (drain, water, etc.)	105,301 09	
Street opening account special (public service corporations)	337,027 38	
	<hr/>	
Total deposit accounts		567,418 52
		<hr/>
Grand total		\$835,852 05

STREET OPENING ACCOUNT — SPECIAL
1960-1963

	Committed	Collected	Balance Due
Boston Edison Company	\$325,974 45	\$287,916 35	\$38,058 10
Boston Gas Company	604,448 11	569,351 76	35,096 35
New England Telephone & Telegraph Company	198,434 59	182,363 90	16,070 69
Worcester Gas Light Company	129,136 52	129,136 52	
Quincy Market Cold Storage Warehouse	1,779 00	1,779 00	
Western Union Telegraph Company	4,584 60	4,584 60	
Metropolitan Transit Authority	19,902 05	19,902 05	
	Receipts	Expenditures	Balance in Account
Boston Edison Company	\$287,916 35	\$221,300 11	\$66,616 24
Boston Gas Company	569,351 76	246,013 78	323,337 98
New England Telephone & Telegraph Company	182,363 90	108,268 59	74,095 31
Worcester Gas Light Company	129,136 52	88,825 00	40,311 52
Quincy Market Cold Storage Warehouse	1,779 00	—	1,779 00
Western Union Telegraph Company	4,584 60	65 60	4,519 00
Metropolitan Transit Authority	19,902 05	19,902 05	

APPENDIX B
ENGINEERING DIVISION
TABLE I
REPRODUCTIONS

DEPARTMENT	Photostats	Blueprints	Ozalids	Auto Positives	Card Stock
Administrative Services.....	906		1,023		
Assessing.....	1,246		2,571		
Auditing.....	110				
Building.....	1,662		2,133		
City Clerk.....	484		481		
City Council.....	1,468		692		
Civil Defense.....	136				
Collecting.....	142		154	24	
Election.....	110		146		
Finance Commission.....	34				
Fire.....	332		584		
Law.....	764		148		
Mayor's Office.....	1,968		921		
Park.....	118		329		
Penal.....	272		735		
Planning Board.....	1,774		3,446		
Public Buildings.....	112		94		
Public Works:					
Engineering Division.....	5,364	533	15,677	341	114
Central Office.....	1,642		5,431		
Highway Division.....	212		763		
Permit Section.....	354		285		
Sanitary Division.....	166		294		
Sewer Division.....	1,548		732		
Street Lighting.....	116		357		
Water Division.....	878		1,245		
Real Property.....	1,436		1,866		
Registry.....	1,764				
School Buildings.....	96		347		
School Committee.....	20				
Traffic & Parking.....	874		1,892		
Treasury.....	132				
Veterans' Service.....	286				
White Fund.....	546		187		
Totals.....	27,072	533	42,533	365	114

The photographic service furnished by the Reproduction Unit included photographing all locations of new highway layouts and other proposed improvements; lands taken for municipal purposes; progress of public works projects; snowstorm and other emergency conditions. Following is a summary of such work for the year 1963:

DEPARTMENT	Negatives	4 x 5 Prints	8 x 10 Prints
Public Works:			
Engineering Division.....	1,548	1,686	196
Highway Division.....	754	644	428
Central Office.....	760	.....	1,132
Sewer Division.....	434	.....	462
Sanitary Division.....	633	.....	728
Water Division.....	146	.....	134
Miscellaneous.....	412	146	372
Totals.....	4,687	2,476	3,452

SURVEY SECTION

TABLE 2

Following is a report of the major works accomplished by the Survey Section in the year 1963.

Twenty-six (26) surveys and plans were made for laying out of 2.3 miles of public Highways, as follows:

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER	
Dalton street	720
BRIGHTON	
Gerrish street	600
Langley road	530
DORCHESTER	
Denvir street	200
Elm Lawn	234
Evandale terrace	261
Manchester street	570
Manley street	290
Paula road	200
HYDE PARK	
Irving street	530
Leseur road	210
Madison street	350
WEST ROXBURY	
Boxford terrace	210
Crest street	260
David road	400
Edgeway terrace	1,200
Gould street	195
Goff street	570
Hawley road	330
New Haven street	1,335
Northdale terrace	215
Rockwood terrace	450
Slocum road	660
Slocum Road Extention	770
Surreyhill Lane	275
Warren square	550

Two hundred (200) land court plans were checked and eleven (11) surveys and reports were made on flooding condition of streets.

Two hundred and thirty-seven (237) surveys and 227 plans for reconstruction of highways were made as follows (39.5 miles):

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER	
Albemarle street	273
Beacon street	6,035
Clark street	464
Clearway street	750
East Springfield street	674
Exchange place	244
Hull street	511
Kilbey street	270
Mason street	703
Merchants Row	532
North street	2,010
Northern avenue	400
North Grove street	420
North square	243
Plympton street	800
Prince street	1,500
Providence street	570
Quaker Lane	330
Randolph street	807
St. Botolph street	1,230
Salem street	1,575
Salem Street avenue	150
Sheafe street	460
Tufts street	226
Water street	1,120
BRIGHTON	
Alcorn street	621
Allston street	1,812
Arlington street	220
Arthur street	393
Ashford street	1,542
Bagnal street	286
Bayard street	446
Bigelow street	3,067
Brentwood street	470
Buick street	467
Charlesview street	253
Claymoss road	1,141
Emery road	620
Euston street	684
Faneuil street	2,800
Farrington street	512
Fern street	105
Fordham street	604
Franklin street	1,800
Gardner street	1,887

<i>District</i>	<i>Length in Feet</i>
BRIGHTON	
Gerald road	527
Glenville avenue	1,756
Gordon street	487
Greycliff road	1,100
Hano street	998
Herrick street	338
Holman street	483
Kinross road	613
Monastery road	750
Mt. Hood road	650
Murdock street	1,482
Raymond street	410
Reedsdale street	638
Rogers Park avenue	882
South street	634
Strathmore road	2,525
Union street	1,419
Wade street	650
Walbridge street	750
Wilton street	308
CHARLESTOWN	
Bartlett street	1,456
Chestnut street	150
Franklin street	350
Ludlow street	250
Monument avenue	825
Monument square	1,000
Monument street	403
Mystic street	668
DORCHESTER	
Alabama street	640
Annapolis street	550
Ashland street	1,070
Beach street	1,121
Beaumont street	1,550
Becket street	650
Bernard street	600
Blanche street	800
Brent street	757
Capen street	1,470
Caspian Way	516
Castlegate road	450
Castle Rock street	380
Charles street	503
Claybourne street	350
Clayton street	850
Columbine street	220

<i>District</i>	<i>Length in Feet</i>
Deer street	245
Ellington street	1,892
Evans street	2,500
Everdean street	804
Everett street	606
Favre street	998
Flint street	415
Florida street	1,829
Gardner street	2,000
Granville street	807
Harley street	643
Hildreth street	383
Humphreys street	350
Intervale street	2,021
Iola street	350
Itasca street	2,500
Josephine street	650
Lawrence street	1,686
Leroy street	750
Marden street	278
Middleton street	850
Mill street	1,658
Milton avenue	2,700
Mt. Bowdoin terrace	900
Normandy street	2,500
Ogden street	1,500
Paisley park	576
Parish street	218
Park street	1,607
Parkman street	340
Pasadena road	375
Remington street	150
Robey street	640
Rockmere street	353
Sagamore street	1,407
Seaver street	276
Southwick street	359
Spaulding street	405
Stanwood street	1,787
Sudan street	1,100
Supple road	440
Taylor street	650
Temple street	730
Tennis road	763
Tiverton street	500
Westview street	500
Wilcox road	500
Wildwood street	642
Wollaston terrace	313

<i>District</i>	<i>Length in Feet</i>
EAST BOSTON	
Annayoy street	539
Bayswater street	2,567
Byron street	1,146
Chaucer street	684
Coleridge street	349
Cowper street	1,171
Curtis street	236
Frankfort street	500
Homer street	616
Lamson street	712
London street	731
Marginal street	740
Moore street	542
Nancia street	314
St. Edward road	376
Waldemar avenue	2,325
Westbrook street	200
Wordsworth street	887
HYDE PARK	
Albion street	750
Arlington street	445
Beaver street	750
Chesterfield street	500
Child street	750
Clare avenue	897
Clifford street	655
Collins street	900
Damon street	548
Fairview street	800
Huntington avenue	2,282
Hyde Park avenue	1,635
Metropolitan avenue	443
Mt. Pleasant street	450
Readville street	816
Reservation road	3,200
Walnut street	1,200
Warren avenue	900
Winslow street	550
SOUTH BOSTON	
B street	559
C treet	274
Gavin Way	559
Granite street	1,190
Logan Way	1,045
O'Callaghan Way	1,712

<i>District</i>	<i>Length in Feet</i>
Sanger street	266
Tuckerman street	371
West Fifth street	292
West Third street	540
WEST ROXBURY	
Canterbury street	2,000
Mt. Calvary road	1,600
Stimson street	1,600
Seven (7) surveys and plans were made for discontinuance of 0.47 miles of public highways as follows:	
BOSTON PROPER	
Traverse street	150
Truro street	300
Hartford street (sewer and water easement)	300
ROXBURY	
Gerald street	151
Fellows court	100
SOUTH BOSTON	
Mt. Washington avenue	500
WEST ROXBURY	
Saw Mill Brook (sewer easement)	833
Twenty-two (22) surveys and plans were made for the taking of (2.3 miles) easements for sewerage and assessments pur- poses as follows:	
DORCHESTER	
Gladeside terrace	152
Irena road	150
Savannah avenue	500
Tennis road	525
HYDE PARK	
Beaver street	200
Bradlee court	250
Bradlee park	250
Bradlee Lane	250
Highcrest road	1,181
Highcrest terrace	440
George Wright Golf Course (Land in)	

<i>District</i>	<i>Length in Feet</i>
WEST ROXBURY	
Addington road	1,708
Adelaide street	649
Albion street	663
Alveston street	483
Arcadia street	376
Beethoven street	518
Bolster street	395
Bonad road	823
Brookley road	505
Call street	548
Canterbury street	2,000
Carroll street	1,200
Carrolton road	750
Clyde street	483
Colbert street	423
Crown Path	250
Eliot street	1,772
Glenham street	1,350
Hathaway street	265
Hawthorne street	570
Hillock street	472
Holbrook street	897
Homewood road	350
Jess street	226
Lakeville street	706
Maple street	1,885
Marbury terrace	345
March avenue	495
Mt. Calvary road	1,600
Mt. Hope street	1,400
Orange street	2,774
Parkwood terrace	260
Paul Gore street	1,918
Pond Circle	875
Rambler road	480
Ravenna road	692
Robeson street	1,030
Roseway street	514
Roslindale avenue	3,050
Rustic road	426
School street	1,257
Seaverns avenue	1,020
Stimson street	1,600
Tyndale street	1,946
Wellsmere terrace	228
Welland road	300
Wellington Hill Footway	500

<i>District</i>	<i>Length in Feet</i>
White Oak road	518
Winton street	644
Woodman street	280

Eight (8) major surveys were made for the reconstruction program (2.25 miles).

WEST ROXBURY

Blueview road	570
Blueview Circle	400
Blue Ledge Drive	3,047
Blue Ledge terrace	295
Dellmore road	200
June street	279
Maple terrace	300
Private land (Saw Mill Brook to 230 feet south- east of Newton line)	1,030
Sparrow street	110
Sunset Hill road	775

Four (4) profiles for highway construction were made as follows 0.25 miles:

BOSTON PROPER

Cambria street	370
Dover Street Trestle	150

DORCHESTER

Orlando street	460
--------------------------	-----

SOUTH BOSTON

Trilling Way	250
------------------------	-----

Seventeen (17) surveys and plans were made for minimum pavements (1.1 mile) as follows:

BRIGHTON

Michael road	214
------------------------	-----

DORCHESTER

Bismarck street	395
Gladeside terrace	152
Orlando street	200

HYDE PARK

Chesterfield street	600
Farrington street	400
Geraghty terrace	200
Milton terrace	350
Neponset court	136
Raldne road	327
River Street terrace	460
Silvia court	300

<i>District</i>	<i>Length in Feet</i>
WEST ROXBURY	
Ethel street	260
Crosstown avenue	350
Maple terrace	215
Partridge street	410
Rockwood terrace	450
Twenty two (22) surveys and plans were made for specific repairs and widenings (Chapter 90) as follows (11.5 miles):	
BOSTON PROPER	
Berkeley street	2,750
Broadway	1,400
Columbus avenue	4,500
Commonwealth avenue	8,000
Congress street	1,100
Eliot street	350
Park square	500
Providence street	550
St. James street	2,200
Stuart street	3,000
DORCHESTER	
East Cottage street	1,100
Hancock street	1,500
Harvard street	8,400
Norfolk street	8,500
Pleasant street	4,000
Pond street	550
Quincy street	1,800
Savin Hill avenue	3,400
EAST BOSTON	
Condor street	3,300
HYDE PARK	
Dana avenue	3,000
SOUTH BOSTON	
D street	4,000
WEST ROXBURY	
Boylston street	4,000

Approximately seven hundred (700) requests for information relative to line and grade were received from private engineers and other agencies and data furnished.

Request for marking line and grades for the following streets:

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER	
New Congress street	600
Somerset street	250
BRIGHTON	
Chiswick road	500
Franklin street	1,800
DORCHESTER	
Babson street	2,420
HYDE PARK	
Beechmont street	300
Edgeway terrace	1,200
ROXBURY	
South Bay residue dump	
WEST ROXBURY	
Barbara street	300
Beecher street	1,000
Centre street	300
Centre street at Baker street	600
Danforth street	500
Florian Way	250
Paul Gore street	600
Perkins street	400

Approximately one hundred (100) takings and three hundred (300) specific repairs were made in connection with Chapter 90 surveys and reconstruction surveys.

Personnel of the survey section were assigned to snow removal operation, including supervision, inspection and auditing of hired equipment accounts.

Surveys for engineering reports, one hundred sixty-five (165) streets, approximately (35. miles).

Points for construction requested (2.5 miles):

BOSTON PROPER	
New Congress street	600
Union street	300
BRIGHTON	
Chiswick road	500
Franklin street	1,800
DORCHESTER	
Belden street	510
Magdala street	575
Whitridge street	520

<i>District</i>	<i>Length in Feet</i>
EAST BOSTON	
Annavoy street	525
Bayswater street	982
Byron street	1,146
Chaucer street	684
Coolidge street	600
Cowper street	1,171
Homer street	600
Moore street	542
Nancia street	300
Wordsworth street	150
St. Andrew road	510
WEST ROXBURY	
Addington road	50
Barbara street	320
Maria Lane	40
Roslindale avenue	40
Hillock street	472

Surveys, profiles, and calculations were made in connection with the Government Center.

Office representative summoned by Law Department to appear at Suffolk, Middlesex, and Plymouth County Court House hearings.

Eight (8) plans were made for Law Department action cases in various parts of the city.

Topographic Surveys

Beech Street and Windham Road area

Gardner Street Dump (complete perimeter)

DESIGN SECTION
TABLE 3

1963 CONTRACTS ADVERTISED

CONTRACT	District	Length (Feet)	*Estimated Cost	Date of Bid Opening
			**Bid Price	Date of
			*Estimated	
Reconstruction of:				
Beaumont street	7	1,701	\$19,988 00	2/14/63
Becket street	7	611	8,435 00	2/14/63
Evans street	7	2,258	29,282 00	2/14/63
Franconia street	7	774	7,560 00	2/14/63
Fremont street	7	343	6,211 00	2/14/63
Magdala street	7	617	12,942 00	2/14/63
Middleton street	7	838	9,919 00	2/14/63
Milton avenue	7	2,601	38,101 00	2/14/63
Oakton avenue	7	1,475	19,780 00	2/14/63
Santuit street	7	486	6,606 00	2/14/63
Whitridge street	7	539	12,284 00	2/14/63
Wilcox street	7	420	5,388 00	2/14/63
Wollaston Terrace	7	313	2,639 00	2/14/63
Total . . . . .	.	.	**\$179,135 00	
			**\$193,865 85	
Reconstruction of:				
Addington road	6	1,708	\$24,710 00	4/04/63
Carrollton road	6	750	10,370 00	4/04/63
Hillock street	6	472	5,920 00	4/04/63
Homewood road	6	350	3,750 00	4/04/63
Orange street	6	2,774	34,585 00	4/04/63
Rosindale avenue	6	3,050	39,800 00	4/04/63
Rustic road	6	426	5,200 00	4/04/63
Wellsmere Terrace	6	228	3,700 00	4/04/63
White Oak road	6	518	7,100 00	4/04/63
Total . . . . .	.	.	**\$135,135 00	
			**\$123,058 05	

CONTRACT	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Reconstruction of:				
Annavoy street	9	539	\$13,287 00	5/02/63
Byron street .	9	178	3,892 00	5/02/63
Byron street .	9	998	20,240 00	5/02/63
Chancer street	9	684	13,645 00	5/02/63
Coleridge street	9	349	8,995 00	5/02/63
Cowper street	9	639	15,412 00	5/02/63
Cowper street	9	532	13,013 00	5/02/63
Curtis street .	9	236	2,803 00	5/02/63
Homer street	9	616	20,097 00	5/02/63
Lamson street	9	712	12,251 00	5/02/63
London street	9	721	8,220 00	5/02/63
Monument avenue	1	783	10,067 00	5/02/63
Monument square	1	500	9,904 00	5/02/63
Monument square	1	540	13,449 00	5/02/63
Moore street	9	542	14,119 00	5/02/63
Nancia street	9	314	7,421 00	5/02/63
St. Edward road	9	376	4,110 00	5/02/63
Wordsworth street	9	178	6,931 00	5/02/63
Wordsworth street	9	1,131	26,971 00	5/02/63
Total			<u>\$226,827 00</u>	
			<u>**\$262,873 00</u>	

Contract	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Reconstruction of:				
B street	5	559	\$9,393 00	6/06/63
Bartlett street	1	818	17,016 00	6/06/63
Bartlett street	1	638	7,725 00	6/06/63
C street	5	274	5,562 00	6/06/63
Gavin Way	5	599	7,285 00	6/06/63
Franklin street	1	318	3,648 00	6/06/63
Logan Way	5	1,045	11,930 00	6/06/63
Monument street	1	403	9,756 00	6/06/63
Mystic street	1	668	8,838 00	6/06/63
O'Callaghan Way	5	1,712	19,735 00	6/06/63
Sanger street	5	266	2,393 00	6/06/63
Tuckerman street	5	371	4,325 00	6/06/63
West Fifth street	5	292	4,321 00	6/06/63
West Third street	5	540	10,237 00	6/06/63
Total . . . . .	.	.	<u>*\$122,164 00</u> <u>**\$155,078 50</u>	
Construction of:				
Bradlee street	8	1,547	\$44,535 00	6/13/63
Buckingham street	8	470	11,220 00	6/13/63
Coffey street	7	535	12,125 00	6/13/63
Hackensack court	6	344	16,767 00	6/13/63
Itasca street	7	790	24,696 00	6/13/63
Kiernan road	6	540	14,697 00	6/13/63
Messinger street	7	458	15,559 00	6/13/63
Northdale road	6	1,094	36,256 00	6/13/63
Slocum road	2	685	21,386 00	6/13/63
Soldiers Field place	4	735	23,788 00	6/13/63
Surreyhill Lane	2	328	10,218 00	6/13/63
Webb park	5	132	3,192 00	6/13/63
Total . . . . .	.	.	<u>*\$234,439 00</u> <u>**\$283,569 25</u>	

CONTRACT	District	Length (Feet)	*Estimated Cost	**Bid Price	Date of Bid Opening
Reconstruction of:					
Alcorn street	4	621	\$10,570 00		6/20/63
Allston street	4	1,812	21,620 00		6/20/63
Arlington street	4	220	2,200 00		6/20/63
Arthur street	4	393	6,300 00		6/20/63
Ashford street	4	1,542	25,295 00		6/20/63
Bagnal street	4	286	5,939 00		6/20/63
Bayard street	4	446	9,545 00		6/20/63
Brentwood street	4	470	6,746 00		6/20/63
Farrington avenue	4	512	7,461 00		6/20/63
Fordham road	4	604	6,921 00		6/20/63
Franklin street	4	1,800	36,697 00		6/20/63
Gardner street	4	1,887	26,105 00		6/20/63
Glenville avenue	4	1,756	27,126 00		6/20/63
Gordon street	4	487	8,250 00		6/20/63
Hano street	4	998	14,267 00		6/20/63
Herrick street	4	338	8,397 00		6/20/63
Holman street	4	483	4,007 00		6/20/63
Imrie road	4	620	8,282 00		6/20/63
Monastery road	4	750	11,069 00		6/20/63
Murdock street	4	1,482	30,496 00		6/20/63
Raymond street	4	410	6,625 00		6/20/63
Reedsdale street	4	638	7,235 00		6/20/63
South street	4	634	10,336 00		6/20/63
Strathmore road	4	2,525	34,291 00		6/20/63
Union street	4	1,419	25,352 00		6/20/63
Wilton street	4	308	4,966 00		6/20/63
Total			<u>\$366,098 00</u>		
Deletion — Fordham road					
Addition — Fern street					
			**\$404,339 80		

PUBLIC WORKS DEPARTMENT

CONTRACT	District	Length (Feet)	*Estimated Cost **Bid Price	Date Bid Opening
Reconstruction of:				
Adelaide street	2	649	\$12,731 00	7/02/63
Alveston street	2	483	6,276 00	7/02/63
Arcadia street	2	376	5,357 00	7/02/63
Beethoven street	2	518	9,864 00	7/02/63
Bolster street	2	395	12,206 00	7/02/63
Brookley road	5	505	5,387 00	7/02/63
Call street	2	548	9,532 00	7/02/63
Clive street	2	483	9,926 00	7/02/63
Eliot street	2	1,772	33,579 00	7/02/63
Hathaway street	2	265	3,623 00	7/02/63
Holbrook street	2	897	20,290 00	7/02/63
Jess street	2	226	3,576 00	7/02/63
Lakeville road	2	706	15,089 00	7/02/63
Marbury terrace	2	345	7,369 00	7/02/63
Parkwood terrace	2	260	3,205 00	7/02/63
Pond Circle	2	875	22,492 00	7/02/63
Rambler road	2	480	8,906 00	7/02/63
Roseway street	2	514	7,512 00	7/02/63
School street	2	1,257	16,864 00	7/02/63
Seaverns avenue	2	1,020	10,087 00	7/02/63
Woodman street	2	280	5,563 00	7/02/63
Total	.	.	*\$227,434 00 **\$200,233 10	
Reconstruction of:				
Beacon street	1 & 10	6,034	*\$130,016 00 **\$128,566 25	7/25/63

Contract	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Reconstruction of:				
Brent street	7	757	\$11,640 00	6/01/63
Capen street	7	1,470	21,015 00	6/01/63
Castle Rock street	3	380	4,250 00	6/01/63
Claybourne street	3	350	5,201 00	6/01/63
Deer street	3	245	2,586 00	6/01/63
Favre street	7	998	12,401 00	6/01/63
Granville street	7	807	8,164 00	8/01/63
Hildreth street	7	383	6,362 00	8/01/63
Paisley park	7	576	8,750 00	8/01/63
Rookmere street	3	352	7,163 00	8/01/63
Sagamore street	3	1,407	20,429 00	8/01/63
Spaulding street	7	405	7,313 00	8/01/63
Tennis road	7	763	12,530 00	8/01/63
Wildwood street	7	642	8,948 00	8/01/63
Total			*\$135,752 00	
Addition, Annapolis street			**\$132,907 10	

Contract	District	Length (Feet)	*Estimated Cost	**Bid Price	Date of Bid Opening
Reconstruction of:					
Albemarle street	1	273	\$4,965 00		8/29/63
Clark street	1	464	13,707 00		8/29/63
Exchange place	1	245	3,561 00		8/29/63
Hull street	1	511	4,853 00		8/29/63
North Grove street	1	420	9,505 00		8/29/63
North square	1	243	9,694 00		8/29/63
North street	1	2,010	39,000 00		8/29/63
Prince street	1	1,500	29,557 00		8/29/63
Providence street	1	570	5,443 00		8/29/63
Quaker Lane	1	330	1,971 00		8/29/63
Salem street	1	1,575	32,265 00		8/29/63
Sheafe street	1	460	12,264 00		8/29/63
St. Botolph street	1	1,229	28,692 00		8/29/63
Tufts street	1	226	4,831 00		8/29/63
Water street	1	1,119	16,832 00		8/29/63
Total			*\$217,140 00	**\$234,121 30	
Reconstruction of:					
Bayswater street	9	2,567	\$56,695 00		9/12/63
Waldemar avenue	9	2,325	82,133 00		9/12/63
Total			*\$138,828 00	**\$122,711 50	

Contract Reconstruction of:	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Albion street	8	663	\$23,743 00	10/03/63
Bonad road	6	823	21,319 00	10/03/63
Clifford street	8	655	13,687 00	10/03/63
Colbert street	6	423	9,265 00	10/03/63
Huntington avenue	8	2,282	49,693 00	10/03/63
March avenue	6	495	13,164 00	10/03/63
Paul Gore street	2	1,918	30,695 00	10/03/63
Ravenna road	6	692	14,258 00	10/03/63
Readville street	8	816	17,949 00	10/03/63
Robeson street	2	1,030	32,821 00	10/03/63
Simbroco street	6	20	940 00	10/03/63
Tyndale street	6	1,946	47,191 00	10/03/63
Winton street	6	644	7,776 00	10/03/63
Total			*\$282,501 00 **\$266,831 95	

PUBLIC WORKS DEPARTMENT

Contract	District	Length (Feet)	*Estimated Cost	**Bid Price	Date of Bid Opening
Reconstruction of:					
Alabama street	7	640	\$21,245 00		10/31/63
Ashland street	7	1,070	21,052 00		10/31/63
Beach street	7	1,121	23,765 00		10/31/63
Blanche street	7	380	7,376 00		10/31/63
Caspian Way	3	516	3,109 00		10/31/63
Ellington street	3	1,892	25,795 00		10/31/63
Everdean street	7	804	25,262 00		10/31/63
Everett street	7	606	10,829 00		10/31/63
Florida street	7	1,836	39,611 00		10/31/63
Granite street	5	1,190	39,070 00		10/31/63
Intervale street	3	2,021	34,163 00		10/31/63
Lawrence avenue	3	1,686	35,800 00		10/31/63
Marden avenue	7	278	6,976 00		10/31/63
Mill street	7	1,658	31,170 00		10/31/63
Northern avenue	5	630	18,917 00		10/31/63
Parish street	3	218	4,270 00		10/31/63
Park street	3	1,607	29,130 00		10/31/63
Southwick street	7	359	8,105 00		01/31/63
Total			<u>\$385,645 00</u>		
			**\$354,439 25		

Contract	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Sewerage Works in: George Wright Golf Course and private land	6	2,095' pipe, 10' surface drain and 8 manholes	\$25,481 00	3/28/63
Franklin Park Golf Course	2	1,270' pipe and 5 manholes	\$25,351 00	6/13/63
Broadway	1	390' pipe and 100' service pipe	\$42,919 00	8/01/63
Dorchester avenue	1			
Moore street	9			
Summer street	1			
Beechmont street	8	220' pipe, 213' surface drain and 4 manholes	\$9,824 00	10/22/63
Edgeway terrace	8	4 manholes		
Sewerage and Water Works in:				
Cambridge street	1			
*New Sudbury street	1		\$164,135 00	2/18/63
Somerset street	1			
Sewerage		1,180' pipe, 1,000' surface drain and 240' service connections.		
Water		1,130' high pressure fire service, 920' high service, 700' low service, and 220' service connections.		
*Completion of subgrading.				
Itasca street	7		\$13,274 50	3/21/63
Sewerage		300' pipe, 340' surface drain, 3 manholes and 2 catch basins.		
Water		275' pipe and 1 gate.		

Washington Park Sewerage	.	.	.	.	.	.	.	.	.	10	1,874' pipe, 1,877' surface drain, 365' service connections, 20 manholes and 19 catch basins.	\$95,663 50	6/06/63
Water	.	.	.	.	.	.	.	.	.		2,415' pipe.		
Bradlee court Sewerage	.	.	.	.	.	.	.	.	.	8	235' pipe, 230' surface drain, 3 manholes, 1 catch basin.		7/18/63
Water	.	.	.	.	.	.	.	.	.		245' pipe and 1 gate.		7/18/63
Bradlee land Sewerage	.	.	.	.	.	.	.	.	.	8	230' pipe, 230' surface drain, 3 manholes, 1 catch basin.		7/18/63
Water	.	.	.	.	.	.	.	.	.		250' pipe, 2 gates, 1 hydrant.		
Bradlee park Sewerage	.	.	.	.	.	.	.	.	.	8	230' pipe, 230' surface drain, 3 manholes, 2 catch basins.		7/18/63
Water	.	.	.	.	.	.	.	.	.		240' pipe and 1 gate.	\$20,819 50	7/18/63
Total	.	.	.	.	.	.	.	.	.
Beaver street Sewerage	.	.	.	.	.	.	.	.	.	8	160' pipe, 390' surface drain, 3 manholes.		9/26/63
Stoughton Street place Sewerage	.	.	.	.	.	.	.	.	.	8	170' pipe, 170' surface drain, 2 manholes.		9/26/63
Red Pine road Sewerage	.	.	.	.	.	.	.	.	.	8	272' pipe, 275' surface drain, 3 manholes, 2 catch basins.		9/26/63
Water	.	.	.	.	.	.	.	.	.		280' pipe, 1 gate, 1 hydrant.		9/26/63
Total	.	.	.	.	.	.	.	.	.			\$22,517 00	

Contract	District	Length (Feet)	*Estimated		Date of Bid Opening
			Cost	Price	
Crestwood park Sewerage	10	522' pipe, 541' surface drain, 5 manholes, 4 catch basins.			1/03/63
Water		735' pipe, 20' hydrant pipe, 4 gates, 2 hydrants.			1/03/63
Humboldt avenue Sewerage	10	290' pipe, 310' surface drain, 6 manholes.			1/03/63
Townsend street Sewerage	10	222' pipe, 188' surface drain, 2 manholes, 2 catch basins.			1/03/63
Total			\$46,898	50	
Water Works in:					
Braewood street	8	180' pipe, 1 gate.			6/30/63
Cedar street	1	455' pipe, 2 gates.			6/30/63
Cypress terrace	6	290' pipe, 1 gate.			6/30/63
Elm street	1	1,570' pipe, 250' service pipe, 9 gates, 3 hydrants.			6/30/63
Hancock street	1	250' pipe, 20' service pipe, 2 gates.			6/30/63
Hyde Park avenue	8	640' pipe, 50' service pipe, 1 gate, 1 hydrant.			6/30/63
Irena road	7	170' pipe, 1 gate.			6/30/63
Ludlow street	1	230' pipe, 30' service pipe, 1 gate.			6/30/63
Starbird avenue	2	125' pipe, 1 gate.			6/30/63
Sullivan street	1	1,060' pipe, 120' service pipe, 6 gates.			6/30/63
Trenton street	1	460' pipe, 65' service pipe, 2 gates.			6/30/63
West Eagle street	9	1,112' pipe, 150' service pipe, 5 gates, 3 hydrants.			6/30/63
Wood street	1	400' pipe, 30' service pipe, 2 gates.			6/30/63
Total			\$96,585	00	
Fawndale road	2	230' pipe, 1 gate, 1 hydrant.			11/21/63
Harding road	2	355' pipe, 1 gate, 1 hydrant.			11/21/63
Leverett avenue	9	530' pipe, 2 gates, 1 hydrant.			11/21/63
New Haven street	6	180' pipe, 1 gate, 1 hydrant.			11/21/63
Orlando street	7	400' pipe.			11/21/63
Total			\$20,791	00	

APPENDIX C
HIGHWAY DIVISION

TABLE 1
WORK DONE BY CONTRACT IN 1963

ITEM	QUANTITY
Excavation (earth and service)	52,090 cubic yards
Excavation (rock)	1,094 cubic yards
Bank gravel	59,146 tons
Crushed stone for edgestone	3,270 tons
Base removed (existing)	13,733 square yards
Pavement removed (existing)	64,920 square yards
New straight edgestone	31,410 lineal feet
New circular edgestone	17,784 lineal feet
New edgestone corners 2-foot radius	468 each
Edgestone reset and relocated	98,042 lineal feet
Edgestone hauled	11,231 lineal feet
Macadam base	10,204 tons
O.A. asphalt	106,686 gallons
Concrete base Class "B" for roadway	3,882 cubic yards
Concrete base (backing up sidewalk)	20 cubic yards
Bituminous concrete base (roadway)	36,886 tons
Bituminous concrete base (patching)	148,073 square feet
Bituminous concrete top (roadway)	31,791 tons
Bituminous concrete top (patching)	148,073 square feet
Bituminous concrete base (sidewalk)	76 tons
Bituminous concrete top (sidewalk)	366 tons
Artificial stone sidewalks	1,323,977 square feet
Artificial stone sidewalk (patching)	275,213 square feet
Artificial stone driveway	138,286 square feet
Loam (sq. yards)	997 square yards
Loam (cubic yards)	910 cubic yards
Covers	3,790 each
Catch basins or manholes rebuilt	167 each
Catch basins or drop inlets built	139 each
Sign posts (street)	622 each
Parking meters reset	890 each
Stone bounds	76 each
Minor drain	1,587 lineal feet
Bituminous concrete (roadway) area	414,629 square yards

TABLE 2
CHAPTER 90 PROJECTS COMPLETED IN 1963

STREET	Limits	Contract Amount
Adams street	Gallivan Boulevard to Ashmont street	\$67,497 40
La Grange street	At junction of Washington street to Newton line	141,506 50
Cambridge street	Somerville city line to Sullivan square	44,642 63
Green street	Washington street to Centre street	36,449 50
Dorchester avenue and Savin Hill avenue	Freeport street to Columbia road, Dorchester avenue to Savin Hill avenue	111,783 85
		<hr/> \$401,879 88

"393" STREETS CONSTRUCTED IN 1963

STREET	Limits	Contract Amount
Bradlee street, Ward 18	Thatcher street to Collins street	
Buckingham street, Ward 18	Neponset Valley Parkway to Readville street	
Coffey street, Ward 16	Neponset avenue to approximately 540 feet westerly	
Hackensack court, Ward 20	Hackensack road to approximately 345 feet southeasterly	
Itasca street, Ward 18	Monterey avenue to approximately 175 feet southwesterly of Messinger street	
Kiernan road, Ward 20	Veterans of Foreign Wars Parkway to approximately 540 feet northwesterly	
Messinger street, Ward 18	Savannah avenue to Colorado street	
Northdale road, Ward 20	Joyce Kilmer road to Gould street	
Slocum road, Ward 19	Moss Hill road to approximately 75 feet northeasterly of Surrey Hill Lane	
Soldiers Field place, Ward 22	Soldiers Field road to approximately 720 feet southerly and easterly	
Surrey Hill Lane, Ward 19	Moss Hill road to Slocum road	
Webb park, Ward 7	East Sixth street to approximately 122 feet southerly	
		<hr/> \$283,569 25

STREETS RECONSTRUCTION IN 1963

STREET	Limits	Contract Amount
Arden street, Ward 22	Hooker street to Coolidge street	
Bellamy street, Ward 22	Burton street to Matchett street	
Brainerd road, Ward 21	Kelton street to Harvard avenue	
Cushman road, Ward 21	Dustin street to Glencoe street	
Egremont road, Ward 21	Washington street to Cummings road	
Feneno terrace, Ward 21	Brainerd road to Brookline line	
Griggs street, Ward 21	Commonwealth avenue to Brainerd road	
Justin road, Ward 22	Bigelow street to Atkins street	
Lothian road, Ward 21	Strathmore road to Chiswick road	
Malvern street, Ward 21	Brighton avenue to Ashford street	
Park Vale avenue, Ward 21	Brighton avenue to Glenville avenue	
Pratt street, Ward 21	Linden street to Wadsworth street	
St. Lukes road, Ward 21	Commonwealth avenue to Brighton avenue	
Spofford road, Ward 21	Commonwealth avenue to Glenville avenue	
Telford street, Ward 22	Western avenue to Glenville avenue	
Waldo terrace, Ward 22	Washington street to Henshaw street	
Waverly street, Ward 22	Market street to Portsmouth street	
		<hr/> \$143,819 10

STREET	Limits	Contract Amount
Charles street, Ward 5 Chestnut street, Ward 5	Boylston street across Beacon street Charles street to approximately 315 feet west of Brimmer street	
Dalton street, Ward 4	Scotia street to approximately 50 feet north- westerly of Cambria street	
Fairfield street, Ward 5 Gloucester street, Ward 5 Grove street, Ward 5 Marlborough street, Ward 5 Newbury street, Ward 5 Pinckney street, Ward 5 Public Alley No. 440, Ward 5 Public Alley No. 441, Ward 5 Public Alley No. 442, Ward 5 Public Alley No. 443, Ward 5	Beacon street to Boylston street Boylston street to Back street Myrtle street to Revere street Arlington street to Massachusetts avenue Arlington street to Massachusetts avenue Joy street to Charles street Dartmouth street to Exeter street Exeter street to Fairfield street Fairfield street to Gloucester street Gloucester street to Hereford street	
		<hr/> \$264,816 25
Arundel street, Ward 21 Bay State road, Wards 5 and 21	Beacon street to Mountfort street Beacon street to 160 feet west of Granby street	
Buswell street, Ward 21 Bynner street, Ward 10 Evergreen street, Ward 10 Francis street, Wards 4 and 10 Gainsborough street, Ward 4 Jersey street, Ward 5 Kenmore street, Ward 5 Peterborough street, Wards 5 and 21 Queensberry street, Wards 5 and 21 St. Botolph street, Ward 4	Mountfort street to Park Drive South Huntington avenue to Jamaica way Day street to South Huntington avenue Huntington avenue to Brookline avenue Hemenway street to Railroad Boylston street to Van Ness street Commonwealth avenue to Newbury street	
Tetlow street, Ward 4	Park Drive to Park Drive Park Drive to Park Drive Massachusetts avenue to 289 feet beyond Gainsborough street Evans Way to Worthington street	
		<hr/> \$181,335 10
Hamilton street, Ward 18 Hilton street, Ward 18 Kennebec street, Ward 18 Lexington avenue, Ward 18 Tampa street, Ward 18 Topalian street, Ward 18 Violante street, Ward 18 Central avenue, Ward 18	Neponset Valley Parkway to Stanbro street West street to Arlington street Mariposa street to Cummins Highway Westminster street to River street Cummins Highway to Seminole street River street to Edgewater Drive River street to Rockdale street Metropolitan avenue to Webster street	
		\$102,284 00
Annabel street, Ward 7 Belden street, Ward 7 Bird street, Ward 15 Ceylon street, Wards 13 and 14 Elder street, Ward 7 Grant street, Ward 13 Holden street, Ward 7 Howell street, Ward 7 Magazine street, Ward 8 Mayhew street, Ward 7 Mt. Vernon street, Ward 7 Mt. Vernon street, Ward 7 Pearl street, Ward 13	Columbia road to Sumner street Humphreys street to Holden street Columbia road to railroad Columbia road to Quincy street Columbia road to Humphreys street Crescent avenue to Harbor View street Columbia road to Belden street Boston street to Washburn street Dudley street to Massachusetts avenue Boston street to Roseclair street Boston street to Dorchester avenue Dorchester avenue to Buttonwood street Pleasant street to Dorchester avenue	
		\$140,671 50

STREET	Limits	Contract Amount
Beaumont street, Ward 16 Becket street, Ward 16 Evans street, Ward 17 Franconia street, Ward 16 Fremont street, Ward 18 Magdala street, Ward 16 Middleton street, Ward 14 Milton avenue, Ward 17 Oakton avenue, Ward 16 Santuit street, Ward 16 Whitridge street, Ward 16 Wilcox road, Ward 16 Wollaston terrace, Ward 14	Carruth street to Adams st Gallivan Boulevard to Van Winkle street Morton street to Milton avenue Charlemont street to Adams street Blue Hill avenue to Babson street Gallivan Boulevard to Van Winkle street Theodore street to Norfolk street Fairmount street to Norfolk street Adams street to Plain street Roseland street to Welles avenue Milton street to Hill Top street Beaumont street to Elmer road Woodrow avenue to Jones avenue	\$193,865 85
Addington road, Ward 20	LaGrange street to approximately 125 feet northeast of Bonair street	
Carrolton road, Ward 20 Hillock street, Ward 20 Homewood road, Ward 20	Schiller street to Dedham line Walworth street to Beryl street St. Theresa avenue to 350 feet northeast of St. Theresa avenue	
Orange street, Ward 20 Roslindale avenue, Ward 20	West Roxbury Parkway to Walworth street West Roxbury Parkway to approximately 80 feet northeast of Albano street	
Rustic road, Ward 20 Wellsmere terrace, Ward 18 White Oak road, Ward 20	Bellevue street to Emmonsedale road Wellsmere road to dead end Wren street to Wren street	\$123,058 05
Annavoy street, Ward 1 Byron street, Ward 1 Byron street, Ward 1 Chaucer street, Ward 1 Coleridge street, Ward 1 Cowper street, Ward 1 Cowper street, Ward 1 Curtis street, Ward 1 Homer street, Ward 1 Lamson street, Ward 1 London street, Ward 1 Monument avenue, Ward 2 Monument square, Ward 2 Monument square, Ward 2 Moore street, Ward 1 Nancia street, Ward 1 St. Edward road, Ward 1 Wordsworth street, Ward 1 Wordsworth street, Ward 1	Saratoga street to Bayswater street Saratoga street to Bennington street Bennington street to Coleridge street Moore street to McClellan Highway Byron street to Moore street Moore street to Byron street Byron street to Rice street McClellan Highway to Chelsea street Byron street to Moore street Webster street to Maverick street Porter street to Bennington street Main street to Monument square High street to Concord street Winthrop street to Lexington street Saratoga street to McClellan Highway St. Andrew road to Bayswater street Saratoga street to beyond Barnes avenue Bennington street to Saratoga street Saratoga street to McClellan Highway	\$262,873 00
B street, Ward 6 Bartlett street, Ward 2 Bartlett street, Ward 2 C street, Ward 6 Dr. Michael Gavin Way, Ward 7	West Fifth street to Broadway School street to Monument square Walker street to Pearl street Old Colony avenue to West Seventh street Gen. Lawrence J. Logan Way to Old Colony avenue	
Franklin street, Ward 2 Gen. Lawrence J. Logan Way, Ward 7 Mon. Denis F. O'Callaghan Way, Ward 7	High street to Main street Old Colony avenue to Gen. William H. Devine Way Old Colony avenue to Gen. Lawrence J. Logan Way	

STREET	Limits	Contract Amount
monument street, Ward 2 ystic street, Ward 2 nger street, Ward 7 ickerman street, Ward 7 est Fifth street, Ward 6 est Third street, Ward 6	Bunker Hill street to Monument square Bunker Hill street to Medford street East Seventh street to East Eighth street Dorchester street to Middle street Dorchester avenue to railroad bridge E street to F street	\$155,078 50
lelaide street, Ward 19 veston street, Ward 19 cadia street, Ward 11 ethoden street, Ward 11 olster street, Ward 10 ookley road, Ward 11 all street, Ward 11 ive street, Ward 19 ot street, Ward 19 athaway street, Ward 19 olbrook street, Ward 19 ss street, Ward 11 akeville road, Ward 19 arbury terrace, Ward 11 arkwood terrace, Ward 10 ond Circle, Ward 19 ambler road, Ward 19 oseway street, Ward 19 hool street, Ward 11 eaverns avenue, Ward 19 oodman street, Ward 19	Boylston street to Spring Park avenue Roanoke street to Greenough avenue School street to Atherton street Washington street to Arcadia street Wyman street to Mozart street Hale street to Forest Hills street Hall street to McBride street Boylston street to Spring Park avenue Centre street to Pond street Centre street to Bardwell street Dane street to Centre street Porter street to dead end Centre street to Beaufort road Amory street to dead end Parkton road to Jamaica way Pond street to Pond street Centre street to 480 feet northwesterly Centre street to dead end Amory street to Washington street Elm street to Alveston street Joseph street to Custer street	\$200,233 10
lcorn street, Ward 21 llston street, Ward 21 rlington street, Ward 22	Commonwealth avenue to Ashford street Commonwealth avenue to Brighton avenue. Northerly side Parsons street to Leicester street	
rthur street, Ward 22 shford street, Ward 21 agnal street, Ward 22 ayard street, Ward 22 rentwood street, Ward 22 arrington avenue, Ward 21 ordham road, Ward 21 ranklin street, Ward 22 ardner street, Ward 21 lenville avenue, Ward 21 ordon street, Ward 21 ano street, Ward 22 errick street, Ward 22 olman street, Ward 22 mrie road, Ward 21 onastery road, Ward 21 urdock street, Ward 22 aymond street, Ward 22 eedsdale street, Ward 21 outh Street, Wards 21 and 22	North Beacon street to Hichborn street Linden street to across Malvern street Holton street to Aldie street North Harvard street to Myrick street Everett street to Athol street Linden street to Harvard street Commonwealth avenue to Brighton avenue Alcott street to North Harvard street Malvern street to Harvard av Harvard street to Allston street Commonwealth avenue to Colon street Cambridge street to Braintree street North Beacon street to Hichborn street Coolidge road to Hooker street Cambridge street to beyond High Rock Way Washington street to Colbourne road Mapleton street to North Beacon street Franklin street to Riverdale street Commonwealth avenue to Brighton avenue Chestnut Hill avenue to Commonwealth avenue Chestnut Hill avenue to Brookline line Winship street to Monastery road Cambridge street to Braintree street	
strathmore road, Ward 21 nion street, Wards 21 and 22 Wilton street, Ward 22	Chestnut Hill avenue to Brookline line Winship street to Monastery road Cambridge street to Braintree street	\$404,339 80

STREET	Limits	Contract Amount
Brent street, Wards 16 and 17	Washington street to Talbot avenue	
Capen street, Ward 17	Norfolk street to Fuller street	
Castle Rock street, Ward 13	Grampian Way to Caspian Way	
Claybourne street, Wards 15 and 17	Bowdoin street to Dakota street	
Deer street, Ward 15	Savin Hill avenue to Melvinside terrace	
Favre street, Ward 18	Cummins Highway to Messinger street	
Granville street, Ward 16	Gallivan Boulevard to Milton street	
Hildreth street, Ward 14	Wildwood street to dead end	
Paisley park, Ward 16	Upland avenue to Bournside street	
Rockmere street, Ward 13	Caspian Way to Grampian Way	
Sagamore street, Ward 13	Savin Hill avenue to Sudan street	
Spaulding street, Ward 16	Train street to Daly street	
Tennis road, Ward 18	Blue Hill avenue to 760 feet northwesterly	
Wildwood street, Ward 14	Morton street to Middleton street	\$132,907 10
Albemarle street, Ward 4	St. Botolph street to railroad	
Clark street, Ward 3	Hanover street to Commercial street	
Exchange place, Ward 3	Kilby street to Congress street	
Hull street, Ward 3	Snow Hill street to Salem street	
North Grove street, Ward 3	Cambridge street to Fruit street	
North square, Ward 3	North street to Moon street	
North street, Ward 3	Commercial street to Cross street	
Prince street, Ward 3	Commercial street to Hanover street	
Providence street, Wards 4 and 5	Berkeley street to Clarendon street	
Quaker Lane, Ward 3	Congress street to Congress street	
Salem street, Ward 3	Cross street to Charter street	
Sheafe street, Ward 3	Salem street to Snow Hill street	
St. Botolph street, Ward 4	Massachusetts avenue to West Newton street	
Tufts street, Ward 3	Lincoln street to South street	
Water street, Ward 3	Washington street to Broad street	\$234,121 30
Beacon street	Arlington street to Charlesgate East and Charlesgate West to Raleigh street	\$128,566 24
AWARDED IN 1963 — TO BE COMPLETED IN 1964		
Bayswater street Waldemar avenue	Saratoga street to Annavoy street Walley street to Crestway road	\$122,711 50
Albion street Bonad road Clifford street Colbert street Huntington avenue March avenue Paul Gore street Ravenna road Readville street Robeson street Tyndale street Winton street	Beacon street to Highland street Weld street to Brookline line Neponset Valley Parkway to Stanbro street Centre street to Guernsey street River street to Thatcher street Bellevue street to Park street Centre street to Lamartine street Weld street to Cerdan avenue River street to Knight street Sigourney street to Forest Hills street Guernsey street to Walworth street Beech street to dead end	\$266,831 95

STREET	Limits	Contract Amount
Regina Road Footway	Dorchester	
Massachusetts avenue	Boston at Chester park	
Rutherford avenue	Between Union street and Austin street, Charlestown	
Carey square	East Boston	
Dorchester avenue		
Dorchester avenue		
Dorchester avenue		
Dorchester avenue		
Hayden street	Roxbury	
Roxbury Crossing		
Northdale road at Oakmere street	West Roxbury	
Mt. Vernon street	Dorchester	
Installation and repairs to highway fences and guard rails		\$19,643 00
Broadway and Arlington streets (Chapter 90)	Washington street to Park square, Boylston street to Isabella street	\$40,714 75
Congress street (Chapter 90)	Fort Point Channel Bridge to Stillings street	37,251 00
D street (Chapter 90)	Dorchester avenue to Cypher street	96,743 00
Columbus avenue (Chapter 90)	Massachusetts avenue to Tremont street	124,986 75
Quincy street (Chapter 90)	Columbia road to Bowdoin street	53,446 50
Savin Hill avenue (Chapter 90)	Treadway road to Savin Hill court (various locations)	53,292 50
		<hr/> \$1,420,640 20
Alabama street	Currier street to Monterey avenue	
Ashland street	Park street to Everdean street	
Beach street	Park street to Freeport street	
Blanche street	Green Hill street to Victory road	
Caspian Way	Savin Hill avenue to Savin Hill park	
Ellington street	Blue Hill avenue to Greenwood street	
Everdean street	Ashland street to Victory road	
Everett street	Park street to Mill street	
Florida street	Ashmont street to King street	
Granite street	Mt. Washington avenue to Baldwin street	
Intervale street	Blue Hill avenue to Columbia road	
Lawrence avenue	Blue Hill avenue to Magnolia street	
Marden avenue	Willowwood street to dead end	
Mill street	Freeport street to Victory road	
Northern avenue	Ramp street to across Trilling Way	
Parish street	Winter street to dead end	
Park street	Washington street to Norwell street	
Southwick street	Freeport street to Neponset avenue	\$354,439 25
Beech street		50 feet southeast of Alpheus road to Beech- mont Footway
Beechmont street	Sherrin street to Beechmont Footway	
Beechmont Footway	Beechmont street to Beech street	
Edgeway terrace	Dale street to dead end	
Goff street	Sherrin street to Lodgehill road	
Leseur road	Fairmount avenue to dead end	
Maida terrace	River street to dead end	
New Park avenue	Beech street to West Roxbury Parkway	
Ralwood road	Ralston road to Ranley road	
Ranley road	Greenfield road to Ralwood road	\$250,580 00

STREET	Limits	Contract Amount
Dana Avenue Footway	Hyde Park	
Johnswood road (stairs)	West Roxbury	
Penryth street	Roxbury	
Wait street	Roxbury	
Overlook road (stairway to		
Washington street)	West Roxbury	
Mascot street	Dorchester	
Northwood street	East Boston	
Gladstone street (stairs)	East Boston	
Brookway road	Roslindale	
Johnswood road	West Roxbury	
Haverhill street	Charlestown	
Carleton street	South End	
Prescott street	East Boston	
Claremont street	South End	
Marginal street	East Boston	
West street	Hyde Park	
Birchland avenue	West Roxbury	
Northern avenue	South Boston	

TABLE 3

SUMMARY OF COST OF CONTRACT STREET
CONSTRUCTION AND RECONSTRUCTION WORK
PERFORMED IN HIGHWAY DIVISION DURING
1963.

CHAPTER 90 PROJECTS	
Paving work.....	\$401,879 88
“393” STREETS CONSTRUCTED..	\$283,569 25
STREETS RECONSTRUCTED.....	2,667,968 90
AWARDED IN 1963—to be com- pleted in 1964.....	1,420,640 20
	4,372,178 35
Total....	\$4,774,058 23

TABLE 4

HIGHWAY MAINTENANCE WORK

Bituminous roadway repairs (tempo- rary)	93,265 square yards
Bituminous sidewalk repairs (tempo- rary)	19,152 square yards
Artificial stone sidewalk replaced	25,070 square feet
Permanent bituminous concrete roadway repairs	4,508 square yards
Brick sidewalk repaired	503 square yards
Edgestone set	300 lineal feet
Edgestone reset	610 lineal feet
Débris removed from streets	137,508 cubic yards
Salt used	18,996 tons
Sand used for icy streets	14,935 tons
Snow removal	60,394 cubic yards
Catch basins cleaned	4,518 units
Bituminous concrete sidewalk repairs (permanent)	4,508 square yards

In addition to the above, we have a grass cutting crew consisting of three (3) men, five (5) days a week, from April to November, cutting grass throughout the city, reservations, center islands, etc. Also, the repairing of steps, tunnels, passageways and guard rails. Picking up dead animals and all other related work pertaining to the maintenance of highways.

TABLE 5
STREET LIGHTS

In 1963, orders were issued for the installation of 3,500 lumen lamps and the replacement of old lighting units on the following streets:

Adams street, Roxbury	7
Ambrose street, Roxbury	3
Alexander street, Dorchester	6
Annavoy street, East Boston	3
Annabel street, Dorchester	3
Ashford street, Brighton	15
Arthur street, Brighton	4
Averton street, West Roxbury	7
Anawan terrace, West Roxbury	1
Albright street, West Roxbury	2
Arborview road, West Roxbury	4
Adelaide street, West Roxbury	4
Alhambra street, West Roxbury	3
Atwill road, West Roxbury	3
Autumn street, West Roxbury	2
Athol street, Brighton	7
Ashley street, East Boston	7
Alcorn street, Brighton	4
Altacrest road, West Roxbury	2
Augustus avenue, West Roxbury	9
Alabama street, Dorchester	9
Albion street, Hyde Park	3
Ayles street, Hyde Park	7
Bragdon street, West Roxbury	4
Batchelder street, Dorchester	3
Burrell street, Dorchester	9
Byron street, East Boston	14
Bayswater street, East Boston	17
Belden street, Dorchester	6
Bynner street, Roxbury	11
Buswell street, Boston	3
Bagnel street, Brighton	2
Bayard street, Brighton	5
Brentwood street, Brighton	6
Burnett street, West Roxbury	5
Bonad road, West Roxbury	5
Brookley road, West Roxbury	8
Basile street, West Roxbury	4
Beaumont street, Dorchester	9
Brookvale street, Dorchester	4
Braeburn road, Hyde Park	6
Barry street, Hyde Park	4
Brucewood street, West Roxbury	3

Burnside avenue, West Roxbury	3
Byrd avenue, West Roxbury	3
Brier road, West Roxbury	3
Bobolink street, West Roxbury	2
Birchland avenue, West Roxbury	4
Bogandale road, West Roxbury	4
Business street, Hyde Park	13
Brush Hill terrace, Hyde Park	3
Brockton street, Dorchester	6
B street, Hyde Park	3
Brown avenue, West Roxbury	14
Burwell road, West Roxbury	3
Bryant road, West Roxbury	3
Chesterfield street, Hyde Park	11
Como road, Hyde Park	11
Caledonian avenue, West Roxbury	5
Creston street, Roxbury	4
Constance road, West Roxbury	6
Cornauba street, West Roxbury	4
C street, South Boston	2
Ceylon street, Dorchester	9
Cowper street, East Boston	12
Caspian Way, Dorchester	4
Clive street, West Roxbury	3
Central avenue Hyde Park	19
Capital street, West Roxbury	2
Capen street, Dorchester	12
Clifford street, Hyde Park	13
Colgate road, West Roxbury	2
Carrolton road, West Roxbury	5
Charlotte street, Dorchester	7
Clermont street, Dorchester	2
Chestnut street, Hyde Park	4
Calvin road, West Roxbury	4
Chame avenue, West Roxbury	4
Courtney road, West Roxbury	10
Celia road, West Roxbury	1
Colberg avenue, West Roxbury	3
Chapel road, Hyde Park	4
Colborne road, Brighton	8
Cedrus avenue, West Roxbury	6
Chiswick road, Brighton	4
Coffey street, Dorchester	6
Claron street, West Roxbury	1
Corey road, Brighton	12
Colorado street, Dorchester	9
Canterbury street, West Roxbury	19
Coleridge street, East Boston	5
Curtis street, East Boston	3
Castle Rock street, Dorchester	2

Call street, West Roxbury	4
Clifftondale street, West Roxbury	6
Dania street, Dorchester	7
Danny road, Hyde Park	7
DeStefano road, West Roxbury	3
Dunwell street, West Roxbury	3
Dix street, Dorchester	9
Duncan street, Dorchester	4
Dustin street, Brighton	9
Drury road, Hyde Park	2
Edge Hill street, Roxbury	6
Ernst street, Roxbury	2
Evans street, Dorchester	17
Ellison avenue, Dorchester	6
Edgebrook road, West Roxbury	3
Edgewater Drive, Dorchester	9
Edwardson street, Hyde Park	3
Edgemere road, West Roxbury	9
Fulton street, Hyde Park	2
Fairbanks street, Brighton	6
Florian street, West Roxbury	2
Farrington avenue, Brighton	4
Florence street, West Roxbury	14
Franconia street, Dorchester	5
Francesca street, West Roxbury	2
Fernwood road, West Roxbury	3
Franklin street, Hyde Park	2
Fairlane road, West Roxbury	6
Frazer street, Hyde Park	4
Farve street, Dorchester	9
Frankfort street, East Boston	5
Furbush road, West Roxbury	4
Father Toma road, East Boston	6
Gay Head street, Roxbury	5
Grampian Way, Dorchester	17
Gordon street, Brighton	5
Gordon avenue, Hyde Park	9
Guernsey street, West Roxbury	10
Granfield avenue, West Roxbury	6
Granville street, Dorchester	1
Graham terrace, West Roxbury	1
Gretter road, West Roxbury	6
Greaton road, West Roxbury	4
Gilmore terrace, West Roxbury	1
Glenhaven road, West Roxbury	7
Glenwood avenue, Hyde Park	8
Glenellen road, West Roxbury	3
Grandview street, West Roxbury	3
Greenwood Circle, Hyde Park	2
Greenwood avenue, Hyde Park	7

Hewlett street, West Roxbury	9
Holworthy street, Roxbury	2
Halford road, West Roxbury	2
Howard avenue, Dorchester	7
Howitt road, West Roxbury	8
Hathaway street, West Roxbury	2
Homer street, East Boston	3
Humphreys place, Dorchester	3
Holman street, Brighton	3
Hano street, Brighton	8
Herrick street, Brighton	2
Hawthorne street, West Roxbury	7
Hackensack road, West Roxbury	13
Heldun street, West Roxbury	3
Hillock street, West Roxbury	7
Hamilton street, Hyde Park	10
Hilton street, Hyde Park	3
Hyde Park avenue, Hyde Park	13
Hebron street, Hyde Park	3
Hiawatha road, Dorchester	7
Hutchinson street, Dorchester	2
Hastings street, Dorchester	3
Harmony street, East Boston	2
Hooker street, Brighton	7
Holton street, Brighton	12
Highgate street, Brighton	3
Homewood road, West Roxbury	2
Highfield street, West Roxbury	4
Harmon street, Dorchester	7
Harding road, West Roxbury	4
Hildreth street, Dorchester	2
Hall street, West Roxbury	2
Imbaro road, Hyde Park	5
Imrie road, Brighton	5
Ivory street, West Roxbury	3
Iona street, West Roxbury	6
Itasca street, Dorchester	21
Jess street, West Roxbury	1
Jennett avenue, West Roxbury	1
Joyce Kilmer road, West Roxbury	8
June street, West Roxbury	3
Juliette street, Dorchester	4
Kiernan road, West Roxbury	3
Keith street, West Roxbury	10
Kittredge Terrace, West Roxbury	1
Kennebec street, Dorchester	5
Leicester street, Brighton	18
Lamson street, East Boston	7
Larch place, West Roxbury	1
Libby street, West Roxbury	2

Livingstone street, Dorchester	3
Landor road, Dorchester	1
Lila road, West Roxbury	5
Landseer street, West Roxbury	6
Lorette street, West Roxbury	4
London street, East Boston	5
Lake Shore road, Brighton	7
Larch street, Brighton	5
Laurie street, West Roxbury	13
Lindall street, West Roxbury	3
Leland road, West Roxbury	3
Lucerne street, Dorchester	15
Lewiston street, Hyde Park	9
Lodgehill road, Hyde Park	7
Lorna road, Dorchester	9
Minden street, Roxbury	8
Mansur street, Roxbury	3
Miles street, Roxbury	2
Manila avenue, Hyde Park	2
Marshfield street, Roxbury	6
Marden avenue, Dorchester	2
Margin street, Hyde Park	3
Marginal street, East Boston	5
Mt. Vernon street, Dorchester	3
Monastery road, Brighton	6
Mt. Calvary road, West Roxbury	8
Magdala street, Dorchester	3
Myopia road, Hyde Park	1
Mariposa street, Hyde Park	10
Manthorne road, West Roxbury	8
Marlin road, West Roxbury	2
Martin street, West Roxbury	10
March avenue, West Roxbury	4
Moore street, East Boston	2
Matchett street, Brighton	5
Meadowview road, Hyde Park	5
Melba Way, Hyde Park	3
Montmorenci avenue, East Boston	5
Mt. Hope street, West Roxbury	6
Moss Hill road, West Roxbury	19
Mildred avenue, Dorchester	5
Meadow road, Hyde Park	12
Malverna road, West Roxbury	3
Mt. Ida road, Dorchester	5
No. Crescent court, Brighton	6
Nancia street, East Boston	2
Northdale road and extension, West Roxbury	6
Newhall street, Dorchester	4
New Bedford street, Hyde Park	4
New Haven street, West Roxbury	7

Orkney road, Brighton	5
Orchard Park street, Roxbury	3
Orange street, West Roxbury	17
Oakton avenue, Dorchester	9
O'Connell road, Dorchester	5
Orchardhill road, West Roxbury	7
Oak street, Hyde Park	8
Providence street, Hyde Park	10
Porter street, West Roxbury	3
Paul Gore street, West Roxbury	10
Potomac street, West Roxbury	11
Pomona avenue, West Roxbury	1
Perkins avenue, Hyde Park	3
Peak Hill road, West Roxbury	6
Perthshire road, Brighton	6
Perham street, West Roxbury	21
Prospect street, Hyde Park	10
Patterson street, Dorchester	4
Pine Ridge road, Dorchester	3
Pheasant street, West Roxbury	4
Prescott street, Hyde Park	8
Patten street, West Roxbury	8
Parklawn road, West Roxbury	12
Parker street, Hyde Park	3
Quarley road, West Roxbury	2
Round Hill street, Roxbury	8
Running Brook road, West Roxbury	3
Robey street, Dorchester	6
Rockmere street, Dorchester	2
Robeson street, West Roxbury	5
Rustic road, West Roxbury	3
Reedsdale street, Brighton	3
Roslindale avenue, West Roxbury	18
Rockland street, West Roxbury	8
Ranley road, West Roxbury	3
Ravenna road, West Roxbury	3
Rambler road, West Roxbury	4
Raymond street, Brighton	7
Radcliffe road, Hyde Park	7
Rainier road, Hyde Park	1
Ralwood road, Hyde Park	3
Ruskindale road, Hyde Park	14
Reddy avenue, Hyde Park	3
Rosa street, Hyde Park	4
Rosecliff terrace, West Roxbury	1
Ruffing street, Hyde Park	3
Rowley street, Dorchester	1
Richmere road, Dorchester	5
Rugdale road, Dorchester	5
Readville street, Hyde Park	5

Robin street, West Roxbury	8
Rodman street, West Roxbury	5
Rogers Park avenue, Brighton	4
Rockwell street, Dorchester	8
Schiller street, Roxbury	4
Souther road, Dorchester	2
Sunset Hill road, West Roxbury	6
Shaw street, West Roxbury	4
Sherrin street, Hyde Park	5
St. Edward road, East Boston	6
Searle road, West Roxbury	8
Sycamore street, West Roxbury	8
School street, West Roxbury	3
Selma street, East Boston	3
St. Clare road, Dorchester	1
Swan street, West Roxbury	2
Spinney street, West Roxbury	2
Sparrow street, West Roxbury	4
South Crescent Circuit, Brighton	5
Sierra road, Hyde Park	1
Sea View avenue, East Boston	4
Sherbrook street, West Roxbury	4
Stimson street, West Roxbury	18
Salman street, West Roxbury	11
Stanbro street, Hyde Park	8
Swift street and terrace, East Boston	4
Seaverns avenue, West Roxbury	6
Summer street, Hyde Park	2
Schiller road, West Roxbury	4
Thompson street, Hyde Park	6
Tebroc street, Dorchester	1
Tanglewood road, Dorchester	1
Taylor street, Dorchester	7
Taunton avenue, Hyde Park	17
Tileston street, Hyde Park	6
Tracton avenue, Hyde Park	1
Topalian street, Dorchester	2
Tobin road, West Roxbury	4
Temple street, West Roxbury	26
Tyler street, Hyde Park	7
Tacoma street, Hyde Park	7
Tampa street, Dorchester	4
Thatcher street, Hyde Park	9
Tuckerman street, South Boston	3
Tennis road, Dorchester	6
Vallaro road, Hyde Park	8
Valley road, Dorchester	4
Violante street, Dorchester	2
Westmoor road, West Roxbury	6
Woodley avenue, West Roxbury	5

Westmoor Circle, West Roxbury	1
Westmoor terrace, West Roxbury	2
Worley street, West Roxbury	3
Wales street, Dorchester	4
Wordsworth street, East Boston	5
White Oak road, West Roxbury	3
Wilton street, Brighton	3
Wichita terrace, Dorchester	1
Westchester road, West Roxbury	13
Whitridge street, Dorchester	3
Wilcox road, Dorchester	3
Walnut street, Dorchester	11
Wollaston terrace, Dorchester	2
Welton road, West Roxbury	1
Willow street, West Roxbury	19
West Sorrento street, Brighton	2
Walter street, Hyde Park	6
Warren avenue, Hyde Park	18
Wm. Jackson avenue, Brighton	3
Wilmington street, Dorchester	7
Weybosset street, Dorchester	5
Woodhaven street, Dorchester	11
Waverly street, Brighton	8
Westminster street, Hyde Park	3
Weld Hill street, West Roxbury	7
Wellsmere terrace, West Roxbury	2
Woodard street, West Roxbury	12
Westbank street, East Boston	1
Winton street, West Roxbury	3
Yorktown street, West Roxbury	1

NEW LIGHTING INSTALLED — NOT MODERNIZED

	Units
Belle avenue, West Roxbury	4
Creston park, Roxbury	1
Decatur street, East Boston	2
Eatonia street, Brighton	1
Greenhalge street, Dorchester	1
Michael road, West Roxbury	1
Northdale road, West Roxbury	2
Northdale terrace, West Roxbury	1
Westbrook street, East Boston	1
Webb park, South Boston	1

In 1963, orders were issued for the installation of 7,000 lumen lamps and the replacement of old lighting units on the following streets:

Appleton street, Boston	15
Allston street, Brighton	20
B street, South Boston	9
Clark street, Boston	4
Devine Way, South Boston	8
Exchange place, Boston	2
Franklin street, Brighton	9
Frankfort street, East Boston	2
Gay Head street, Roxbury	1
Gardner street, West Roxbury	22
Greenfield road, Dorchester	13
Huntington avenue, Hyde Park	22
Hull street, Boston	7
Kenmore street, BostonRbry	2
Kenrick street, Brighton	11
Kittredge street, West Roxbury	13
Logan Way, South Boston	9
Murdock street, Brighton	13
Milton avenue, Dorchester	9
Moore street, East Boston	1
Metropolitan avenue, Hyde Park	11
Monastery road, Brighton	7
North street, Boston	14
O'Callaghan Way, South Boston	13
Park street, Dorchester	19
Park street, West Roxbury	23
Prince street, Boston	15
Quaker Lane, Boston	2
Round Hill street, Roxbury	1
Richmond street, Dorchester	2
Strathmore road, Brighton	17
South street, Brighton	5
St. Botolph street, Boston	15
Swift street, East Boston	2
Sheafe street, Boston	4
Salem street, Boston	13
Tufts street, Boston	2
West Third street, South Boston	5
Westminster street, Hyde Park	18
Water street, Boston	8
Wirt street, Brighton	2

In 1963, orders were issued for the installation of 11,000 lumen lamps and the replacement of old lighting units on the following streets:

Adams street, Dorchester	23
Arlington street, Brighton	16
Boylston street, West Roxbury	22
Brock street, Brighton	6
Beechcroft street, Brighton	6
Boardman street, East Boston	11
Centre street, Dorchester	11
Cornell street, West Roxbury	24
D street, South Boston	42
Freeport street, Dorchester	7
Fairmount avenue, Hyde Park	15
La Grange street, West Roxbury	61
Old Colony terrace, Dorchester	2
Parsons street, Brighton	17
Quincy street, Dorchester	13
Sparhawk street, Brighton	6
Walworth street, West Roxbury	25
Walter street, West Roxbury	24

In 1963, orders were issued for the installation of 20,000 lumen lamps and the replacement of old lighting units on the following streets:

Adams street, Dorchester	69
Arlington street, Boston	12
Beacon street, Boston	42
Bowdoin street, Dorchester	11
Broadway, Boston	15
Ceylon street, Dorchester	1
D street, South Boston	1
Freeport street, Dorchester	20
Geneva avenue, Dorchester	50
Market street, Brighton	4
Morton street, Dorchester	25
Norfolk street, Dorchester	53
Robert street, West Roxbury	9
Saratoga street, East Boston	10
Talbot avenue, Dorchester	33

In 1963, an order was issued for the installation of 35,000 lumen lamps and the replacement of old lighting units on the following street:

Washington street, Boston 3

GAS LAMP PROGRAM

During the year 1963, there were approximately 228 gas lamps maintained by the City of Boston. There were 44 gas lamps installed for the year 1963.

MAINTENANCE OF POLICE SPOTLIGHTS

The maintenance of 97 police spotlights continued for the year 1963. There were no new installations for the year 1963.

TABLE 6
DETAILS OF EXPENDITURES OF TIDEWATER BRIDGES FOR THE YEAR
1963

BRIDGE	Draw- tenders' Salaries	Mechanics' Wages	Material	Repair Bills	Supplies, Utilities, Etc.	Total
Chelsea Street.....	\$53,283 94	\$485 20	\$236 37	\$1,215 03	\$528 24	\$55,748 78
Congress Street.....	24,109 17	922 08	185 52	—	414 81	25,631 58
Malden Bridge.....	59,926 25	1,510 15	301 39	1,594 91	643 49	63,976 19
Andrew P. McArdle....	66,193 18	1,925 25	169 64	639 93	1,375 61	70,303 61
Northern Avenue.....	70,408 22	9,866 40	2,459 26	969 97	2,715 01	86,418 86
Summer Street (Fort Point Channel).....	22,141 25	4,492 45	1,146 05	1,211 04	188 92	29,179 71
Summer Street (L St.) (Reserved Channel)..	42,976 32	2,713 73	584 62	594 17	485 76	47,354 60
Totals.....	\$338,938 33	\$21,915 26	\$5,082 85	\$6,225 05	\$6,351 84	\$378,613 33

TABLE 7
WATERBORNE TRAFFIC THROUGH DRAWBRIDGES, 1963

BRIDGE	Steamers	Tugs	Barges	Pleasure Craft	All Others	Total Vessels	Total Cargoes	Total Openings
Chelsea Street.....	482	4,192	1,145	0	111	5,930	389	2,762
Congress Street.....	0	38	11	0	8	57	3	38
Andrew P. McArdle.....	692	5,926	1,361	0	385	8,364	957	4,650
Malden.....	36	406	266	979	94	1,781	259	1,280
Northern Avenue.....	0	1,163	104	7	801	2,078	304	1,199
Summer Street (Fort Point Channel)....	0	38	11	0	8	57	3	38
Summer Street (Reserved Channel) (L Street).....	0	0	0	370	0	370	6	352
Totals.....	1,210	11,763	2,898	1,356	1,410	18,637	1,921	10,319

TABLE 8
EXPENDITURES ON INLAND BRIDGES
IN 1963

LABOR	Materials	Total
\$47,002 72	\$6,253 63	\$53,256 35

The above figures represent total cost of maintenance, repairs on inland bridges, namely footbridges over railroads, etc., using our department yard employees, materials and supplies.

APPENDIX D SANITARY DIVISION

TABLE I

PAYMENT TO REFUSE COLLECTION CONTRACTORS FIRST THREE MONTHS—JANUARY, FEBRUARY, MARCH

DISTRICT	Contractor	Total 3 Months, Payments
1A Charlestown.....	Jeffries Disposal Corporation.....	\$12,345 64
1B Downtown.....	James A. Freaney, Inc.....	41,219 89
1C Uptown.....	United Contracting Company, Inc., of Boston.....	34,134 08
2 Jamaica Plain.....	Ryan, Coady Company.....	39,237 36
3 Dorchester (North)....	Dooley Brothers, Inc.....	71,675 49
4 Brighton.....	J. F. Ryan, Inc.....	58,378 90
5 South Boston.....	Joseph Amara & Sons, Inc.....	21,032 40
6 West Roxbury.....	F. J. Cavaliere & Co.....	50,737 14
7 Dorchester (South)....	Coleman Brothers Corporation.....	71,537 14
8 Hyde Park.....	Howard Disposal Corporation.....	24,376 84
9 East Boston.....	Jeffries Disposal Corporation.....	24,593 86
10A Parker Hill-Fens.....	Dooley Brothers, Inc.....	29,083 99
10B Roxbury.....	United Contracting Company, Inc., of Boston.....	45,513 93
First 3 Months' Total.....	.....	\$523,867 29

PAYMENTS TO REFUSE COLLECTION CONTRACTORS LAST NINE MONTHS—APRIL 1, TO DECEMBER 31, INCLUSIVE

DISTRICT	Contractor	Total 9 Months, Payments
1A Charlestown.....	Jeffries Disposal Corporation.....	\$38,436 60
1B Downtown.....	James A. Freaney, Inc.....	126,825 61
1C Uptown.....	United Contracting Company, Inc., of Boston.....	105,154 95
2 Jamaica Plain.....	Ryan, Coady Company.....	126,435 46
3 Dorchester (North)....	Dooley Brothers, Inc.....	219,419 77
4 Brighton.....	J. F. Ryan, Inc.....	187,318 70
5 South Boston.....	Joseph Amara & Sons, Inc.....	63,565 68
6 West Roxbury.....	F. J. Cavaliere & Co.....	168,724 92
7 Dorchester (South)....	Coleman Brothers Corporation.....	234,189 87
8 Hyde Park.....	Howard Disposal Corporation.....	77,466 42
9 East Boston.....	Jeffries Disposal Corporation.....	76,110 90
10A Parker Hill-Fens.....	Dooley Brothers, Inc.....	92,331 13
10B Roxbury.....	United Contracting Company, Inc., of Boston.....	141,971 24
Last 9 months' total.....	.....	\$1,657,951 25
First 3 months' total.....	.....	\$523,867 29
Collection grand total.....	.....	\$2,181,818 54

PAYMENTS FOR RENTAL OF DUMPS

Saugus.....	M. DeMatteo Construction Company.....	\$24,750
-------------	---------------------------------------	----------

REMOVAL OF GARBAGE

	3 MONTHS	9 MONTHS	
Transfer Station			
Victory Road.....	Kristof Brothers.....	\$3,200	\$9,850
Gardner Street.....	Kennedy Brothers.....	\$3,200	\$9,850
Total.....			\$26,100

PAYMENTS FOR DISPOSAL OF REJECTED MATERIAL

James A. Freaney, Inc.....	\$12,367
M. DeMatteo Construction Company.....	294
Dooley Brothers, Inc.....	1,470
Total.....	\$14,131

REMOVAL OF DERELICT AUTOMOBILES

J & L Iron Company.....	\$9,943
Prospect Iron & Steel Corporation.....	48
Total.....	\$9,991
Grand total.....	\$2,256,790

TABLE 2
SUMMARY OF PAYMENT

EXPENDITURES IN 1963:	
Payments to refuse collection contractors	\$2,181,818
Payments for rental of Saugus dump	24,750
Payments for removal of garbage	26,100
Payments for disposal of rejected material	14,131
Payments for removal of derelict automobiles	9,991
	<hr/>
Total collection and disposal contract payments	\$2,256,790
Payroll totals were as follows:	
Administrative and General Services	\$64,667
Collection Section	409,137
Disposal Section	503,320
	<hr/>
Total payrolls	\$977,124
Overtime payrolls	140,052
	<hr/>
Total Sanitary Division payrolls	1,117,176
Incinerator operation and maintenance costs (other than labor)	92,509
Payments on other contracts	37,228
Supplies and materials (other than incinerator)	24,875
Miscellaneous (advertising)	3,900
	<hr/>
Grand total expenditure	\$3,532,478

TABLE 3
DISPOSAL SECTION — SANITARY DIVISION

EXPENDITURES:

Personal services	\$503,320
Contractual services for maintenance	70,095
Electric power	22,727
Supplies and materials (not including fuel oil)	24,415
Fuel oil	4,146
Equipment (purchased and rented)	250
	\$624,953
Total operating cost	\$624,953

INCINERATOR:

The South Bay incinerator served an area with a population of approximately 453,000 during 1963.

Source and amount of refuse received at the incinerator:

Contractors	137,212 tons (30,405 loads)
Alleys and dumpsters	2,598 tons
Market collection	2,931 tons
Others	2,143 tons
	144,884 tons

Total tonnage, all sources 144,884 tons

Revenue received from private dumpers \$6,425 25

OPERATING DATA:

\$565,802 = \$3 91 cost per ton for incineration.

144,884

\$565,802 = \$1 25 per capita cost for incineration excluding loan amortization.

453,000

\$986,477 = \$2 18 per capita cost for incineration including loan amortization and interest.

453,000

\$565,802 = \$0 78 per cubic yard cost for incineration excluding loan amortization and interest.

724,420

\$986,477 = \$1 36 per cubic yard of incineration including loan amortization.

724,420

144,884 × 2,000 = 639 lbs. of refuse per capita.

453,000

GARDNER STREET DUMP:

21,336 loads of rubbish was delivered to the dump.

\$14,486 in dumping fees.

Operational costs, Gardner street \$59,151

\$59,151 = \$0 29 cost per capita for operations.

201,000

\$59,151-\$14,486 = \$44,665 = \$0.22 cost per capita.

\$201,000

TABLE 4
SOUTH BAY INCINERATOR TONNAGE AND RECEIPTS

	Contractors	Alleys and Dumpsters	Market	Private	Total Tons Received	Fiscal Account	Deduction from Contractors
January.....	10,599	218 46	483	97 86	11,461	\$472 00	
February.....	9,245	242 97	420	108 81	10,026	463 50	
March.....	11,002	237 79	462	155 18	11,792	447 00	
April.....	12,008	254 03	164	163 38	12,589	535 50	
May.....	12,466	240 20	182	155 26	13,043	490 25	
June.....	11,277	227 19	180	144 72	11,828	469 50	
July.....	11,394	244 11	160	164 35	11,964	441 50	
August.....	11,073	231 01	200	190 85	11,695	640 50	\$41 25
September.....	11,331	184 52	160	184 16	11,860	601 50	11 50
October.....	12,595	235 68	160	218 76	13,210	669 50	77 75
November.....	11,780	219 49	200	191 66	12,391	578 75	111 50
December.....	12,442	207 77	160	179 49	13,025	615 75	26 20
	137,212	2,743 22	2,931	1,956 48	144,884	*\$6,425 25	†\$268 20

* Deposited with the City Auditor.

† Deducted from contractors monthly payments.

TABLE 5
AREAS AND POPULATION

DISTRICTS		Dumping at Gardner street	Dumping at Saugus	Dumping at Incinerator
District 1, Section A.	Charlestown.....			21,000
District 1, Section B.....	Boston (Downtown).....			38,000
District 1, Section C.....	Boston (Uptown).....			40,000
District 2.....	Jamaica Plain.....	51,000		
District 3.....	Dorchester (North).....			96,000
District 4.....	Brighton.....	64,000		
District 5.....	South Boston.....			48,000
District 6.....	West Roxbury.....	53,000		
District 7.....	Dorchester (South).....			92,000
District 8.....	Hyde Park.....	33,000		
District 9.....	East Boston.....		43,000	
District 10, Section A.....	Parker Hill-Fens.....			50,000
District 10, Section B.....	Roxbury.....			68,000
		201,000 28.8%	43,000 6.2%	453,000 65.0%

Total (revised population = 697,000)

TABLE I
SEWER USE—REVENUE

APPENDIX E
SEWER DIVISION

Amount carried forward to Sewer Division 1963	\$2,078 18
Receipts	2,690,945 80
	<u>\$2,693,023 98</u>

EXPENDITURES:

Metropolitan Sewer Assessment	\$1,502,831 24	
Pensions and annuities	166,623 74	
Pensions State-Boston	34,450 00	
Sewer Division	665,183 89	
Administration and Engineering	18,283 00	
Plant and equipment maintenance	105,071 00	
Highway repairs and patching	31,742 00	
Collecting Division	28,017 00	
Data Processing Unit	35,061 00	
Reduction of sewerage loan	478,967 90	
Interest on sewerage loan	172,178 75	
Refunds	18,906 26	
		<u>\$3,257,315 78</u>
Amount carried forward to Sewer Division 1964		7,707 43
		<u>\$3,265,023 21</u>
Deficit December 31, 1963		\$571,999 23

TABLE 2
SEWERAGE WORKS CONTRACTS, 1963

LOCATION	Start	Finished	Contractor	Length in Feet	Character	Amount Expended in 1963
Charles street, Hyde Park.....	1-14-1963	1-24-1963	Carriere Construction Company	552.96	10" pipe sewer.....	\$10,589 00
Raynes road, Hyde Park.....				553.44	10" surface drain	
Buckingham street, Hyde Park.....	1-16-1963	7-20-1963	Susi & DeSantis Company	27.00	4 catch basins	
Colfey street, Dorchester.....				523.10	10" pipe sewer.....	36,578 56
Edson street, Hyde Park.....				1,634.00	10 and 36" surface drain	
Glennore street, Dorchester.....				252.25	10" minor drain	
Nordicade terrace, West Roxbury....					13 manholes	
Orlando street, Dorchester.....					14 catch basins	
Westminster street, Hyde Park.....						
Massachusetts avenue, Dorchester...	2-25-1963	4-10-1963	Salah & Pecci	140.00	9'-0" pipe sewer.....	179,970 67
Itasca street, Dorchester.....	4-29-1963	7-3-1963	Carriere Construction Company	288.60	10" pipe sewer.....	6,386 42
				324.90	10" surface drain	
Bradlee court, Hyde Park.....	9-16-1963	10-1-1963	L. Guerin	34.00	3 manholes	
Bradlee Lane, Hyde Park.....				690.6	2 catch basins	
Bradlee park, Hyde Park.....				687.2	10" minor drain	
					10" pipe sewer.....	12,254 13
					10" surface drain	
					10 manholes	
					6 catch basins	
					10" minor drain	
George Wright Golf Course.....	6-8-1963	Unfinished	Luchetti	42.0		
				2,094.94	12" pipe sewer.....	18,581 5
				15.0	8 manholes	0
					10" minor drain	
Franklin Park, Dorchester.....	8-12-1963	10-8-1963	A. Musto	1,266.60	10" pipe sewer.....	19,764 10
					5 manholes	

SEWERAGE WORKS CONTRACTS, 1963—Continued

LOCATION	Start	Finished	Contractor	Length in Feet	Character	Amount Expended in 1963
Broadway, Boston.....	9-23-1963	Unfinished	Carriere Construction Company	253.00	12" to 20" pipe sewer.....	\$19,874 00
Dorchester avenue, Boston.....				1 manhole		
Moore street, East Boston.....				6", 10", 18" minor drain		
Summer street, Boston.....	11-14-1963	Unfinished	A. Musto	270.00	10" pipe sewer.....	5,904 50
Beaver street, Hyde Park.....				10" surface drain		
Stoughton street, Dorchester.....				3 manholes		
Red Pine road, Hyde Park.....				2 catch basins		
				10" minor drain		
Beechmont street, Hyde Park.....	11-26-1963	Unfinished	R. A. Buccella & Sons	220.0	10" pipe sewer.....	8,763 00
Edgeway terrace, Hyde Park.....				10" surface drain		
Cambridge street, Boston.....	9-9-1963	10-18-1963	Gil-Bern Company	180.0	2 manholes	23,111 00
				8 catch basins		
				10" minor drain		
Somerset street, Boston.....	3-21-1963	7-22-1963	Camp-Dresser-McKee-Gil-Bern	440.70	15" pipe sewer.....	77,801 60
				12.00	1 catch basin	
New Sudbury street, Boston.....	7-18-1963	9-13-1963	R. A. Buccella	1,430.00	6" to 18" pipe sewer.....	50,070 71
				1,000.00	30" to 36" surface drain	
				100.00	16 manholes	
Washington Park, Roxbury.....	7-18-1963	9-13-1963	R. A. Buccella	1,872.01	5 catch basins	50,070 71
				1,850.80	10" minor drain	
				474.00	10" pipe sewer.....	
					12" to 18" surface drain	
					20 manholes	
					19 catch basins	
					10" minor drain	

BUILT BY RELEASE

Braewood street, Hyde Park	4-16-1963	6-28-1963	Fidelity Construction	225.38 114.45	10" pipe sewer 10" surface drain 2 manholes 2 catch basins 10" minor drain
Cypress terrace, West Roxbury	4-26-1963	5-4-1963	M. D'Allesandro	30.0 278.0 278.0	10" pipe sewer 10" surface drain 2 manholes 2 catch basins 10" minor drain
Harding road, West Roxbury	10-15-1963	11-19-1963	R. Newstadt	27.0 344.55 354.54	10" pipe sewer 10" surface drain 7 manholes 1 catch basin 10" minor drain
Maple terrace, West Roxbury	8-3-1963	8-10-1963	A. Musto	14.0 109.75 109.75	10" pipe sewer 10" surface drain 1 manhole
Irena road, Dorchester	7-23-1963	8-15-1963	Louis Construction	131.60 117.45	10" pipe sewer 10" surface drain 3 manholes 1 catch basin 10" minor drain
Moreland street, West Roxbury	11-8-1963	11-12-1963	DeRoma	6.0 50.2 50.2	10" pipe sewer 10" surface drain 1 manhole
Starbird avenue, West Roxbury	7-24-1963	8-3-1963	T. Geraghty	135.00 130.10	10" pipe sewer 10" surface drain 2 manholes

TABLE 3
SUMMARY OF SEWER CONSTRUCTION FOR TWELVE MONTHS ENDING
DECEMBER 31, 1963

DISTRICT	Built by City Either by Contract or Day Labor	Built by Private Parties	Shared by City and Government	Total Lengths Built	
	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Miles</i>
City Proper.....	683.7	.....	2,430	3,113.70	0.59
Roxbury.....	3,722.81	.....	.....	3,722.81	0.75
South Boston.....	.....	.....	.....	.....	.....
East Boston.....	9.0	.....	.....	9.0	0.0017
Charlestown.....	.....	.....	.....	.....	.....
Brighton.....	.....	.....	.....	.....	.....
West Roxbury.....	2,093.94	1,840.09	.....	3,935.03	0.745
Dorchester.....	2,925.10	249.05	.....	3,174.15	0.60
Hyde Park.....	4,771.30	339.83	.....	5,111.13	0.968
Totals.....	14,206.85	2,428.97	2,430	19,065.82	3.6547

SUMMARY OF SEWER CONSTRUCTION FOR FIVE YEARS PREVIOUS TO JANUARY 1, 1964

	1959	1960	1961	1962	1963
	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>
Built by city—by contract or day labor.....	20,464.64	6,408	13,694.37	26,557.27	14,206.85
Built by private parties.....	3,306.02	735	2,876.85	3,937.56	2,428.97
Shared by city and government..	.....	.....	7,904.30	.....	2,430.00
Totals.....	23,770.66	7,143	24,475.52	30,494.83	19,056.82

TABLE 4
MAINTENANCE SECTION

	1963	1962	1961
Complaints received and investigated.....	3,235	2,891	1,996
Catch basins and manholes freed and/or repaired.....	1,042	2,403	1,640
Sewers repaired.....	34	36	32
Sewers cleaned (miles).....	2.13	13.4	17.4
House drains constructed/repaired.....	499	445	571
Municipal liens reported to collector.....	5,202	4,903	5,122

CALF PASTURE STATISTICS

	1963	1962	1961
Sewage pumped.....	43,529 MG	63,276 MG	34,862 MG
Sewage pumped average flow.....	119.26 MG	173 MGD	96 MGD
Pumping cost.....	\$5.28 MG	\$2.93 MG	\$6.71 MG

TOTAL LENGTH OF SEWERS

	<i>Miles</i>
Common sewers and surface drains built previous to January 1, 1963	1,343 51
Common sewers and surface drains built between January 1 and December 31, 1963	3 65
	<hr/>
Common sewers and surface drains built ending December 31, 1963	1,347 16
Abandoned sewers ending December 31, 1963	0
	<hr/>
	1,347 16
City of Boston intercepting sewers connecting with Metropolitan sewers to December 31, 1963	0
City of Boston main drainage intercepting sewers to December 1, 1963	0
	<hr/>
Grand total	1,347 16

TABLE 5
CATCH BASINS IN CHARGE OF SEWER DIVISION

DISTRICTS	Catch Basins for Twelve Months Ending December 31, 1963			Total for Whole City in Charge of Sewer Division	
	Number Built or Rebuilt	Number Abandoned or Removed	Net Increase	Previous Report thru December 31, 1962	Grand Total to December 31, 1963
City Proper.....	6	0	6	3,792	3,799
Roxbury.....	19	0	19	3,573	3,592
South Boston.....	0	0	0	1,522	1,522
East Boston.....	0	0	0	1,237	1,237
Charlestown.....	0	0	0	871	871
Brighton.....	0	0	0	2,156	2,156
West Roxbury.....	3	0	3	4,787	4,790
Dorchester.....	9	0	9	5,795	5,804
Hyde Park.....	28	0	28	1,553	1,581
Totals.....	65	0	65	25,287	25,352

TABLE 6
METERS RESET IN 1963

MAKE	DIAMETER IN INCHES											Total
	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	8	10	12	
Hersey.....	410	45	18	63	85	9	15	2	2	.....	.....	649
Watch Dog.....	.....	.....	.....	23	23	.....	.....	.....	.....	.....	.....	46
Rockwell.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	2
Total.....	410	45	18	87	109	9	15	2	2	.....	.....	697

TABLE 7
METERS CHANGED IN 1963 (TAKEN OUT)

MAKE	DIAMETER IN INCHES											Total
	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	8	10	12	
Hersey.....	3,037	286	125	52	55	10	8	1	1	.....	.....	3,575
Watch Dog.....	204	5	16	19	7	3	.....	.....	.....	.....	.....	254
Rockwell.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	3,241	291	141	71	62	13	8	1	1	.....	.....	3,829

METERS CHANGED IN 1963 (PUT IN)

MAKE	DIAMETER IN INCHES											Total
	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	8	10	12	
Hersey.....	1,349	263	113	33	50	3	10	2	1	.....	.....	1,824
Watch Dog.....	.....	.....	.....	17	3	1	.....	.....	.....	.....	.....	21
Rockwell.....	1,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,000
Total.....	2,349	263	113	50	53	4	10	2	1	.....	.....	2,845

**TABLE 8
METERS REPAIRED IN SERVICE IN 1963**

MAKE	DIAMETER IN INCHES							Total
	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	
Hersey.....	160	62	20	3	4	2	1	252
Watch Dog.....				5	2	1		8
Rockwell.....								0
Total.....	160	62	20	8	6	3	1	260

Meters applied on old service..... 20
Meters applied on new service..... 260
Total..... 280

**TABLE 10
METERS DISCONTINUED IN 1963**

MAKE	DIAMETER IN INCHES											Total
	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	8	10	12	
Hersey.....	60	8	2	3	2	1	1					77
Watch Dog.....	143	6	12	2								163
Total.....	203	14	14	5	2	1	1					240

TABLE 11
REASON FOR METER CHANGES IN 1963

MAKE	Do Not Register	Coupling Leak	Spindle Leak	Department Test	Special Test	Noisy Meter	Set Backwards	Clock Broken	No Force	Frozen	Total
Hersey.....	1,000	18	130	10	57	7	6	80	425	166	1,909
Watch Dog.....					12						12
Rockwell.....											
Total.....	1,000	18	130	10	69	7	6	80	425	166	1,921

TABLE 12
METERS JUNKED IN 1963

MAKE	DIAMETER IN INCHES											Total
	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	8	10	12	
Hersey.....	2,149	24	11	10	.....	1	.....	.....	.....	.....	.....	2,195
Watch Dog.....	340	12	27	1	1	.....	.....	.....	.....	.....	.....	381
Total.....	2,489	36	38	11	1	1	.....	.....	.....	.....	.....	2,576

Meters lost in service during the year 1963..... 162

TABLE 13

Showing Length of Water Pipes and Connections Owned and Operated by Public Works Department, Water Division, Water Services, and Number of Valves in Same, December 31, 1963

	DIAMETER OF PIPE IN INCHES												Total			
	48	42	40	36	30	24	20	16	12	10	8	6		4	3	2
Length owned and operated December 31, 1962.....	56,285	16,191	8,809	30,238	75,205	89,675	108,193	379,821	1,870,142	445,634	1,421,771	900,619	63,312	11,591	6,311	5,483,797
Gate valves in same.....	26	4	5	31	50	78	72	790	5,287	1,565	5,117	3,060	560	18	18	16,681
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	.....	.....	1	.....	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	166	40	203	141	.....	9	.....	791
High pressure fire service.....	.....	.....	.....	.....	.....	.....	20,140	46,433	31,756	.....	.....	.....	.....	.....	.....	98,329
Length laid and relaid during 1963.....	.....	.....	.....	.....	.....	.....	.....	1,189	3,080	.....	13,063	1,558	94	.....	.....	18,984
Gate valves in same.....	.....	.....	.....	.....	.....	.....	.....	1	5	.....	42	16	4	.....	.....	68
Air valves in same.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blowoffs in same.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Length abandoned in 1963.....	.....	.....	.....	.....	.....	.....	.....	.....	298	17	.....	5,566	250	246	.....	6,377
Gates abandoned in 1963.....	.....	.....	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	21
Air valves abandoned in 1963.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blowoffs abandoned in 1963.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Length owned and operated, including high pressure fire service, Dec. 31, 1963.....	56,285	16,191	8,809	30,238	75,205	89,675	108,193	381,010	1,872,924	445,617	1,434,834	896,611	63,156	11,345	6,311	5,496,404
Gate valves in same.....	26	4	5	31	50	78	72	790	5,290	1,565	5,159	3,063	561	16	18	16,728
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	.....	.....	1	.....	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	166	40	203	141	.....	9	.....	791
High pressure fire service.....	.....	.....	.....	.....	.....	.....	20,140	46,433	31,756	.....	.....	.....	.....	.....	.....	98,329

1040.99 miles in distribution system, including high pressure fire service.
18.62 miles in high pressure fire service.

TABLE 14
TOTAL NUMBER OF HYDRANTS IN SYSTEM, DECEMBER 31, 1963

HYDRANTS	HYDRANT TYPES												Total
	Lowry	Boston Lowry	Boston Post	Ordinary Post	Bateholder and Fineran	Ludlow Post	Chapman Post	Boston Hydrant	Mueller Post	A. P. Smith	Darling Post	Matthews Post	
Public, December 31, 1962.....	407	240	1,935	1,877	6,760	2	—	67	153	177	24	—	11,642
Private, December 31, 1962.....	33	5	29	126	17	13	56	111	—	—	—	4	394
Added 1963.....	—	—	—	—	8	—	—	—	23	51	9	—	91
Abandoned 1963.....	—	—	10	42	18	—	—	—	1	1	—	—	72
Total public, Dec 31, 1963.....	407	240	1,925	1,835	6,750	2	—	67	175	227	33	—	11,661
Total private, December 31, 1963.	33	5	29	126	17	13	56	111	—	—	—	4	394

Total hydrants in service, December 31, 1962	12,070
Total hydrants added during 1963	91
Total hydrants abandoned during 1963	72
Total hydrants in service, December 31, 1963	12,089
High pressure fire hydrants in service, 1963	437
Total hydrants (all kinds) in service, December 31, 1963	12,526

TABLE 15
COST OF REPLACEMENT OF MAIN PIPE, 1963

AREA	DISTRICT	STREET	SIZE (INCHES)	LENGTH (FEET)	CONTRACT COST	ENGINEERING AND INSPECTION COSTS	Total Cost	CONTRACTOR
1	1	Cedar street.....	6 W 8	448	\$6,103 75	\$610 38	\$6,714 13	R. A. Buccella & Sons, Inc.
1	1	Elm street.....	6 W 8	1,573	21,374 00	2,137 40	23,511 40	R. A. Buccella & Sons, Inc.
1	1	Elm street.....	10 W 12	17	3,175 40	317 54	3,492 94	R. A. Buccella & Sons, Inc.
1	1	Hancock street.....	3 W 6	246	3,081 45	308 15	3,389 60	R. A. Buccella & Sons, Inc.
1	1	Ludlow street.....	4 W 6	250	13,940 75	1,394 08	15,334 83	R. A. Buccella & Sons, Inc.
1	1	Sullivan street.....	6 W 8	1,015	6,237 60	623 76	6,861 36	R. A. Buccella & Sons, Inc.
1	1	Trenton street.....	6 W 8	458	5,163 60	516 36	5,679 96	R. A. Buccella & Sons, Inc.
1	1	Wood street.....	6 W 8	383	15,496 85	1,549 69	17,046 54	R. A. Buccella & Sons, Inc.
1	9	West Eagle street.....	6 W 8	1,081	10,160 90	1,016 09	11,176 99	R. A. Buccella & Sons, Inc.
2	8	Hyde Park avenue.....	6 W 12	608	\$84,734 30	\$8,473 45	\$93,207 75	R. A. Buccella & Sons, Inc.
		Total.....		6,079				

TABLE 16
COST OF EXTENSION OF MAIN PIPE, 1963

Area	District	STREET	Size (Inches)	Length (Feet)	Contract Cost	Engineering and Inspection Costs	Total Cost	CONTRACTOR
1	10	St. Alphonsus street and Long- wood avenue.....	12 8 6	698 568 26	\$18,935 03	\$1,893 50	\$20,828 53	Z & S Construction Company, Inc.
1	10	Washington park.....	8	2,386	31,281 74	3,128 17	34,409 91	R. A. Buccella & Sons, Inc.
1	1	Somerset street.....	12	160	4,688 00	468 80	5,156 80	Gil-Bern Construction Corp.
1	9	Leverett avenue.....	8	517	6,625 01	662 50	7,287 51	R. A. Buccella & Sons, Inc.
2	8	Geraghty terrace.....	8	183	2,285 30	228 53	2,513 83	R. A. Buccella & Sons, Inc.
2	8	Raynes road.....	8	206	2,551 75	255 18	2,806 93	R. A. Buccella & Sons, Inc.
2	8	Charles street.....	8	325	3,807 10	380 71	4,187 81	R. A. Buccella & Sons, Inc.
2	8	Milton terrace.....	8	357	3,067 05	306 71	3,373 76	Z & S Construction Company, Inc.
2	8	Bismarek street.....	8	321	3,619 10	361 91	3,981 01	Z & S Construction Company, Inc.
2	8	River Street terrace.....	8	244	2,925 70	292 57	3,218 27	Z & S Construction Company, Inc.
2	4	Burton street.....	8	119	1,840 85	184 09	2,024 94	Z & S Construction Company, Inc.
2	8	Edson street.....	8	467	4,427 48	442 75	4,870 23	Z & S Construction Company, Inc.
2	8	Braewood street.....	8	169	1,855 00	185 50	2,040 50	R. A. Buccella & Sons, Inc.
2	6	Cypress terrace.....	8	288	3,058 00	305 80	3,363 80	R. A. Buccella & Sons, Inc.
2	2	Starbird avenue.....	8	150	1,698 90	169 89	1,868 79	R. A. Buccella & Sons, Inc.

COST OF EXTENSION OF MAIN PIPE, 1963 — Continued

Area	District	Street	Size (Inches)	Length (Feet)	Contract Cost	Engineering and Inspection Costs	Total Cost	Contractor
2	8	Bradlee court.....	6	242	1,422 95	142 30	1,565 25	L. Guerini, Inc.
2	8	Bradlee Lane.....	8	246	2,383 15	238 82	2,626 97	L. Guerini, Inc.
2	8	Bradlee park.....	6	241	1,421 40	142 14	1,563 54	L. Guerini, Inc.
2	8	Red Pine road.....	6	283	2,480 60	248 06	2,728 66	Anthony Musto
2	2	Harding road.....	8	355	4,197 70	419 77	4,617 47	R. A. Buccella & Sons, Inc.
2	2	Fawndale road.....	8	225	2,792 00	279 20	3,071 20	R. A. Buccella & Sons, Inc.
2	6	New Haven street.....	8	188	1,955 20	195 52	2,150 72	R. A. Buccella & Sons, Inc.
3	7	Glenmore street.....	8	143	1,001 00	100 10	1,101 10	Z & S Construction Company, Inc.
3	7	Itasca street.....	8	295	4,775 84	477 58	5,253 42	Carriere Construction Company, Inc.
3	7	Irena road.....	6	159	2,324 40	232 44	2,556 84	R. A. Buccella & Sons, Inc.
3	7	Oriando street.....	8	342	3,835 13	383 51	4,218 64	R. A. Buccella & Sons, Inc.
2	6	Maple terrace.....	4	94	235 00	23 50	258 50	Alexander Hamilton Homes
			16	1,189				
1	1	New Sudbury, Cambridge and Somerset streets.....	12	1,597				
			8	316				
			6	111				
Totals.....				13,205	\$185,353 58	6,975 00	70,833 20	Gil-Bern Construction Corp.
						\$19,124 55	\$204,478 13	

CITY OF BOSTON
PRINTING  SECTION

BOSTON PUBLIC LIBRARY



3 9999 06316 175 4

