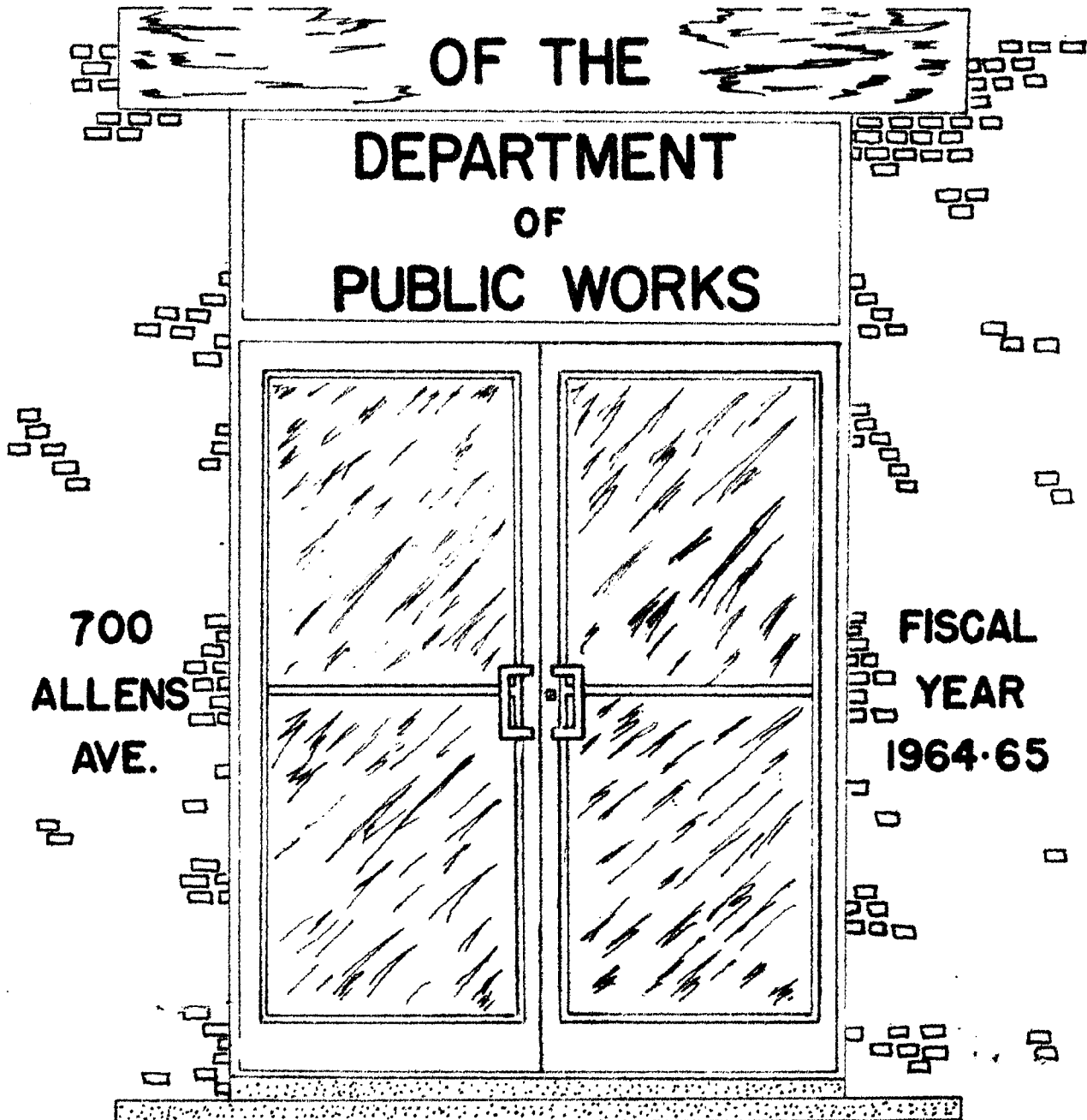


# ANNUAL REPORT



## PROVIDENCE, RHODE ISLAND

IN CITY COUNCIL

APR 7 - 1966

READ:

WHEREUPON IT IS ORDERED THAT  
THE SAME BE RECEIVED.

*Vincent Vespa*  
CLERK

December 31, 1965

DEPARTMENT OF PUBLIC WORKS  
OFFICE OF THE DIRECTOR

The Honorable Joseph A. Doorley Jr.  
Mayor of the City of Providence  
City Hall  
Providence, Rhode Island

Dear Sir:

The following Annual Report, made in accordance with the provisions of Section 46 of Chapter 832 of the Public Laws of the State of Rhode Island, January session, 1940, covers the work performed during the year ending September 30, 1965 by the various divisions of the Department of Public Works. Appended to this report and to be considered as a part thereof, are the reports of the following Divisions of this Department:

General Administration  
Construction and Maintenance  
Sanitation  
Engineering Office  
Public Service Engineer  
Harbor  
Family and Business Relocation  
Removal of Abandoned Vehicles

Contract work on the following projects was completed during the year:

Francis Street Bridge - Reinforcing and Protecting - Gunite Restoration Co. - \$25,020.20.

Smith Street Bridge - driving new piles for the support of the center pier - Seaboard Construction - \$2500.00.

Merino Bridge - Studs were welded to the steel grate deck to prevent skidding under the supervision of the Nelson Stud Welding Co. at a cost of \$2713.54.

The removal of eighty-five (85) "Elm" trees affected by Dutch Elm Disease from City streets by E.W. Cerio Tree Service at a cost of \$1965.00.

The removal of one hundred and sixty-six (166) Elm Trees affected by Dutch Elm Disease from private property by E.W. Cerio Tree Service at a cost of \$4,849.00.

Building sewers in Sundry Streets by Capaldi Brothers Contractors at a cost of \$108,270.84. 1.03 miles of sewers were added during the year.

Removing Fractured Ledge Rock which was overhanging Hillcrest Avenue by V.J. Paolino Construction Co. at a cost of \$17,200.00.

The contract of M.A. Gammino Construction Co. for resurfacing streets started in 1964 was completed during the year at a total cost of \$111,201.72.

The contract of Campanella and Cardi Construction Co. for building new streets at a cost of \$107,040.37 was completed.

The Highway Section resurfaced 81,873 sq. yds. of streets during the year.

The contract of Fanning and Doorley Construction Co. started in 1964 was completed in November 1964 at a total cost of \$43,197.57. 1.34 miles of new streets were constructed during the year.

This department has rendered assistance to various City Departments, Public Works Departments of the State of Rhode Island and the surrounding cities and towns as well as to outside agencies including the Chamber of Commerce, Brown University, the N.E. District, Corps of Engineers and the U.S. Bureau of Public Roads. Our relationship has been very cordial with all of these agencies.

I am very appreciative of the splendid cooperation extended me by the City Council Committees on Public Works and City Property and wish to thank the members of these committees for their indulgence.

I also wish to thank the various other City Departments for the cooperation extended to this department.

The successful operation of the department is due to the united efforts of the staff, section heads and other key personnel in performing their duties and I wish to thank these people for a job well done.

Contract work on the following projects is still in progress.

1. Construction of Highways in Sundry Streets by Campanella & Cardi Construction Co.

2. Construction of sewers in Sundry Streets by Nicholas J. Campobianco.

3. Construction of additional facilities at the Sewage Disposal Plant by Hart Engineering Co.

4. Construction of Sludge Incinerator by Nichols Engineering & Research Corp.

5. Construction of Sludge Incinerator by Ayres Hagan & Booth, Inc.

6. Replacing motors and switchgear alterations at Ernest St. pumping Station by the Coken Co.

7. Rehabilitation of the Providence River Bridges by Builders Iron Works, Inc.

8. Construction of the Westminster Mall by Campanella & Cardi Const. Co.

Plans and specifications are under preparation by the Engineering Office for the following projects:

1. Plans and specifications are being put together by the Engineering Office for the complete rehabilitation of Unit No. 1 at the Garbage Incinerator.
2. Plans and specifications are complete for the connection of the Elmwood trunk sewer to the Ernest St. Pumping Station.
3. Plans and specifications are completed for the rehabilitation of the Washington Park Pumping Station.
4. Plans and specifications have been completed for the installation of a spare chlorinator at the sewage disposal plant.
5. Plans have been started on a city wide basis for separating storm water run-off from the sanitary sewers.
6. A city wide program for the installation of reflectorized street signs is in the final planning stage.
7. The plans for a new storm sewer in Fountain Street and for the separation of the Freeway drainage from the Fountain St.- Sabin St. storm sewers have been prepared and coordinated with the Providence Redevelopment Agency and the State Public Works Department for construction by them.

The Highway Section constructed a spray pool at Merino Park. They also drained the wadding pool as directed by the State Health Department.

Two new Road Sweepers and twelve new sand spreaders were bought to increase the efficiency of the department.

#### RECOMMENDATIONS

Consideration should be given to the installation of a warning system for the detection of radio active isotopes at a location in the sewer system which would allow ample time to protect personnel at the sewage disposal plant from radio activity.

Plans and specifications are being prepared for new ventilation fans in the Incinerator Hopper Rooms, the stabilization and repair of the walls on the southwest corner of the Sanitation Garage, the installation of new overhead doors of the Garbage incinerator, the inspection and repair of the two (2) Westinghouse steam turbines of the garbage incinerator and the retubing of the boilers at the garbage incinerator. These projects should be let on bids and pushed to completion as soon as possible.

The flashing around the brick smoke stack in Unit No. 2 should be replaced.

Provision should be made and personnel instructed in the operation and maintenance of the facilities of the new Hurricane Dam which is scheduled to become a City responsibility upon completion.

The present City dump off Manton Avenue will be filled in the near future and according to our agreement with the owners the area must be covered with good fill and the land surveyed so that the stakes marking the property lines can be replaced. The old stakes were knocked down or covered by the dump operations.

It will also be necessary for the City to obtain another dump site.

Shelter of some kind against radio active fallout should be provided at the Sewage Disposal Works with supplies of water, food and bedding for a maximum of 32 employees.

Replace roadway on Charles Street Bridge and paint steel members.

Replace north section of roadway, caplogs and drive new piles of Smith Street Bridge.

Paint all Bridges not painted during the past three years.

Crib walk at Point Street needs extensive repairs.

Relocate Bridge Maintenance Section from Harbor Masters Building at Point Street to Highway Building.

Iron fencing and grating needs repairing and painting at Point Street Bridge.

Expansion joints of Gen. Edwards Memorial Viaduct require repairing.

Leland Street Footbridge should be rebuilt. The floating dock at the Harbor Master's Wharf at Point and South Water Streets is completely gone and a new one should be built.

Recommend the two of the five road graders be replaced. Two of these require extensive repairs and the stepped-up replacement plan should continue so as to cut down the cost of operation.

Merino Park Footbridge should be completely rebuilt. The piles are in very bad condition.

Many of the Bituminous Macadam streets require either a surface treatment (seal coat) or a new top.

Some of the main city streets are showing signs of wear particularly at the joints and will require either extensive patching or new surfaces. We have sealed many of these joints to delay the deterioration but there is much more to be done especially with the increased use of salt for ice control.

Attention should be given in future building construction to the separation of rain water run-off from Sanitary Sewage.

A maintenance gang of one foreman and six men should be set up for the construction and maintenance division to maintain the buildings of the Public Works Department; such as, The Storage and Transit Sheds at Fields Point, Fields Point Dock Office, Harbor Master's Building, House and Building at the Red Bridge, Brick Building at Sewer Syphon on India St., Incinerator Buildings, Incinerator Garage, Sewer Maintenance Building, Highway Building, and Railroad tracks at Fields Point, the Washington Park Pumping Station, the Reservoir Avenue Pumping Station and the Ernest Street Pumping Station.

There are many items that should be maintained or repaired at the present time. Some of this work has or is presently being accomplished by the Bridge Maintenance Gang and the Carpenters and Masons for Sewer Shops and Stores and the Construction and Maintenance Shops and Stores; but it could be better accomplished by assigning a definite responsibility for this work.

Television Pictures should be taken of the following sewers to definitely determine whether or not the constant sinking of the roads on these streets are caused by fractures in the Sewers.

- (1) Elmwood Sanitary Sewers across Allens Avenue. This can only be done by closing down the pumping station and drawing the liquid from the detritors at the treatment plant.
- (2) Storm sewer across Smith Street at Richter Street.
- (3) Sanitary Sewer across Smith Street at Richter Street.

Several sections of the city are presently being flooded by normal rainstorms and immediate corrective action is required to correct these conditions. The more serious of these conditions are in the following locations:

Fountain Street between Dean Street and Dorrance Street.  
Pembroke College Area.  
Rutherglen and Sinclair Avenue Areas.  
Clay, Crary and Hospital Street areas.  
Dexter Street area.

The surcharged Sewer conditions in the following streets should be corrected:

Woonasquatucket River Trunk Sewer.  
Douglas Avenue - Branch Avenue at City Line.  
Elmwood Sanitary Sewer at Allens Avenue and Ernest Street.  
Rutherglen Avenue and Alexander Street.

Many of the tide gates along the Providence and Seekonk Rivers are in need of being repaired or replaced.

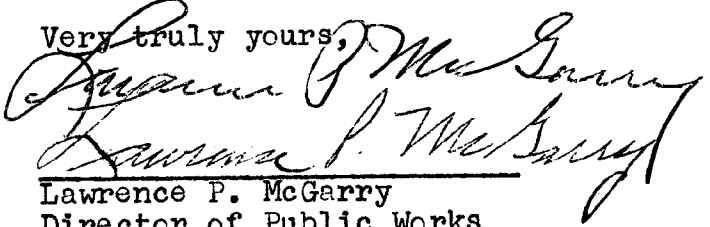
New Sewerage Agreements with the towns of North Providence and Johnston should be made. The rates should be revised upward to reflect the actual cost of providing this service.

Provisions should be made to transfer the Mechanical Engineers position from the Sanitation Division to the Engineering Office.

Provision should be made to establish the position of Electrical Engineer in the Engineering Office.

Provisions should be made to add the positions of carpenter and electrician to the personnel of the Shop and Stores Section. This would result in having two (2) carpenters in this section.

Very truly yours,

  
Lawrence P. McGarry  
Director of Public Works

## GENERAL ADMINISTRATION

Mr. Lawrence P. McGarry  
Director of Public Works  
700 Allens Avenue  
Providence, Rhode Island

Dear Sir:

I respectfully submit the Annual Report of the Administration Office of the Department of Public Works for the Fiscal Year ended September 30, 1965.

During the fiscal year 1964-1965 the clerical employees of the Highway, Sewer Construction and Maintenance, Garbage Collection and Disposal and Sewage Disposal sections of the Public Works Department plus Business Management have been consolidated into one central office located in the new Administration Building at 700 Allens Avenue.

All time cards, work sheets, payrolls, requisitions, purchase orders for services, materials and new equipment are now processed and controlled from the Administration Office.

The merging of these offices has shown improvement in the operation of the cost system. More improvement is necessary and an effort to accomplish this will be made in the fiscal year 1965-1966.

### THE FOLLOWING SERVICES WERE ALSO RENDERED BY THE BUSINESS MANAGEMENT OFFICE

#### APPLICATIONS RECEIVED

Construction of Curb Openings for Driveways	183
For Altering Curb Openings for Driveways	156
Curb Resets	69
Total applications	<u>408</u>

#### LICENSES ISSUED

Newspaper Stands	9
Pushcarts	8
Sidewalk Stands	18
Drain Layers Licenses	7
Drain Layers Licenses (limited to Sprinkler System)	3
Licenses to Convey Waste Materials through City Streets	232
Total Licenses	<u>277</u>

#### PERMITS ISSUED

Public Utilities	299
Blasting	2
For moving cumbersome equipment, etc.	1
Street Openings (Water Supply Board)	262



Original Permits	229
Extension of House Drains	303
Sidewalk Openings for Water Service	15
Street Openings (Other)	244
Permits (Tickets) issued for the disposal of waste materials at the Incinerator or Dump	1085
Permits (Tickets) issued for the disposal of combustible materials at Fields Point	6
Total Permits	<u>2446</u>

Respectfully submitted,

BENJAMIN CIANCIARULO  
General Administration Office

STATEMENT OF REVENUE - ESTIMATED AND ACTUAL

	<u>BUDGET</u> <u>ESTIMATE</u>	<u>NET ACTUAL</u> <u>REVENUE</u>	<u>BUDGET</u> <u>EXCESS</u>	<u>COMPARISON</u> <u>DEFICIENCY</u>
Business and Non-Business:				
Licenses:				
Sidewalk Contractors	600.00	550.00	--	50.00
Highway Privileges	<u>1,000.00</u>	<u>690.00</u>	--	<u>310.00</u>
Total Business & Non-Business Licenses	\$ 1,600.00	\$1,240.00		\$ 360.00
Special Assessments:				
Sewers	<u>18,000.00</u>	<u>20,936.66</u>	<u>2,936.66</u>	---
Total Special Assessments	18,000.00	20,936.66	2,936.66	
Departmental Revenue:				
Public Works Administration	---	50.00	50.00	---
Sewage Pumping Station	---	27.55	27.55	---
Sewage Disposal	148,000.00	185,989.98	37,989.98	---
Garbage Collection and Disposal	24,000.00	24,656.21	656.21	---
Refuse Collection and Disposal	---	350.00	350.00	---
Highway	28,000.00	38,863.70	10,863.70	---
Bridge Maintenance	---	48.95	48.95	---
Forestry	----	2,466.27	2,466.27	---
Snow Removal	---	148.08	148.08	---
Sewer Construction & Maintenance	500.00	280.73	---	219.27
Public Buildings	---	54.70	54.70	---
Street Lighting	---	104.50	104.50	---
Municipal Dock	310,000.00	281,290.27	---	28,709.73
Draw Bridges	---	23.94	23.94	---
Harbor Master	---	8.44	8.44	----
Family & Business Relocation Service	---	<u>16,695.99</u>	<u>16,695.99</u>	---
Total Departmental Revenue	\$510,500.00	\$551,059.31	\$69,488.31	\$28,929.00
Total Statement	\$530,100.00	\$573,235.97	\$72,424.97	\$28,929.00

STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1965

	PERSONAL SERVICES	SERVICES OTHER THAN PERSONAL	MATERIALS AND SUPPLIES	EQUIPMENT OUTLAY	TOTAL
General Administration	29,769.27	11,212.30	5,465.08	2,312.11	48,758.76
Business Management	39,909.20	-	-	-	39,909.20
Engineering Office	196,632.16	6,870.46	776.61	212.40	204,491.63
<u>SANITATION DIVISION</u>					
Sanitation Administration	23,914.14	872.80	30.78	-	24,817.72
Street Cleaning	280,607.33	77,950.70	1,314.59	-	359,872.62
Sewage Pumping	73,636.08	1,996.46	4,060.17	-	79,693.31
Sewage Disposal	293,412.49	216,965.13	152,440.45	712.57	663,530.64
Garbage Collection & Disposal	665,087.36	120,361.38	12,295.98	204.00	804,948.72
Refuse Collection & Disposal	93,303.79	30,827.30	270.90	-	124,401.99
<u>CONSTRUCTION AND MAINTENANCE DIVISION</u>					
Construction & Maintenance Administration	8,047.52	624.00	17.78	-	8,689.30
Highway	679,022.94	153,353.50	78,045.65	-	910,422.09
Bridge Maintenance	40,417.09	6,014.32	7,304.01	-	53,735.42
Sidewalk & Curbing	21,514.37	2,987.18	2,649.17	-	27,150.72
Forestry	81,535.31	20,685.62	3,794.01	-	106,014.94
Snow Removal	159,730.26	90,954.90	153,697.97	-	404,383.13
Sewer Const. & Maint.	263,066.52	55,485.43	14,601.11	-	333,153.06
Public Buildings	101,066.05	4,580.96	466.53	115.46	106,229.00
Street Lighting	5,645.95	505,776.13	-	-	511,422.08
Municipal Dock	36,584.19	13,461.19	2,571.59	-	52,616.97
Draw Bridge Operation	53,848.75	656.95	374.72	-	54,880.42
Harbor Master	4,078.91	127.91	-	-	4,206.82
Family & Business Relocation	45,381.75	9,201.35	480.07	-	55,063.17
TOTAL- Public Works Activities	\$3,196,212.03	1,330,965.97	447,657.17	3,556.54	4,978,391.71

Mr. Lawrence P. McGarry  
Director of Public Works  
700 Allens Avenue  
Providence, R. I.

Dear Sir:

Following is the Annual Report covering the various activities of the Engineering Office for the Fiscal Year ending September 30, 1965:

EXPENDITURES

ITEM 0	Personal Services
ITEM 1	Services other than personal
ITEM 2	Materials and Supplies
ITEM 5	Equipment

The Engineering Office, which consists of the following three main sections, the Street Line and City Property Section, the Highway Section and the Sewer and Structural Section, moved from its old quarters in City Hall to its present location at 700 Allens Avenue (corner of Ernest Street and Allens Avenue) on December 15, 1964. The new location is equipped with modern lighting, drafting facilities and convenient parking for both the employees and the general public requiring the services of the Department. There is also adequate space to store and file the plans and engineering records which are used less frequently than the current records and were formerly stored in inaccessible places in dead storage. The Engineers have been designing and drawing most of the plans and writing the specifications for the services performed by the Public Works Department. The specifications for the purchasing of equipment and supplies used by the Public Works Department; the plans and specifications of the consulting engineers hired to design and detail the specialized work on the Providence River Bridge Rehabilitation; Sewage Treatment Plant Alterations; Sewage Pumping Station Rehabilitation; the new Sludge Incinerator and the Westminster Pedestrian Mall were checked and corrected by the personnel of this office.

The following is a detailed report on the activities of the various sections of the office.

STREET LINE AND CITY PROPERTYSECTIONNOTICES OF INTENTION TO BUILD

There were 230 notices of intention to build filed in this office during the fiscal year. Forty-two of these were not required for various reasons. In response to the remaining 188 notices, the Street Lines were marked on the ground as requested for specified locations.

Field Surveys on the 20 streets accepted as public highways by the City Council were made and the lay-out maps were drawn for office use and for the official records of the City Clerk.

Information pertaining to street lines, including records of street lay-outs, widenings, abandonments, alignment changes and name changes was furnished to Engineering firms and Title companies throughout the year.

Street Lines were marked out on the ground for the construction of new sewers when requested by the Sewer Section of the Engineering Office.

Street Line information was furnished to Engineers for the State of Rhode Island, Department of Public Roads in conjunction with their work on the north-south Freeway.

The following Streets were received by the City Council under various forms governing the acceptance of streets during the year:

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
Aurelia Drive	Lecia Drive to Neutaconkanut Road	388.93
Bissell Street	Stamford Avenue to Elmwood Avenue	340.00
Canonchet Street	Samoset Avenue to Standish Avenue	160.00
Cavallatti Street	Farmington Avenue to its southerly termination	340.00
Celia Street	Hartford Avenue to its northerly termination	758.68
Gage Street	Victoria Street to Samoset Avenue	344.98
Gallileo Avenue	From point previously received 500 feet north of Chalkstone Avenue, northerly and easterly to Standish Avenue	1210.63
Guelph Street	Victoria Street to its easterly termination	211.19
Jacqueline Drive	Legion Memorial Drive to Neutaconkanut Road	440.24
King Philip Street	Barbara Street northerly to Route 6 freeway line	459.25

Lecia Drive	Jacqueline Drive to Sunset Avenue	524.80
Manomet Street	Standish Avenue to Victoria Street	535.49
Neutaconkanut Road	Sunset Avenue to its southerly termination	807.48
Roda Drive	Lecia Drive to Neutaconkanut Road	308.20
Samoset Avenue	Southerly line of Gage Street northerly to Gallileo Avenue	534.55
Stella Street	Barbara Street northerly to Route 6 freeway line	362.96
Stillwater Avenue	Brightwood Avenue northerly to City Line	817.53
Victoria Street	Southerly line of Gage Street northerly to Gallileo Avenue	358.40
Virginia Lane	Douglas Avenue to the easterly line to Glasgow Street	903.28
Wardlaw Court	Wardlaw Avenue to its west-erly termination	337.85
		<u>10,144.44 feet</u>
		or
		1.921 miles

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR

RECEIVED STREETS ABANDONED

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
Booth Street	Dodge St. to D St.	140.00
Carpenter Street	A point previously abandoned to Lime St.	116.00
Carpenter Street	Jackson St. to a point 62' westerly	62.00
Central Street	Dodge St. to Major St.	302.46
Cope Street	Fountain St. to Broadway	396.00
D Street	Lester St. to Southerly termination	399.50
Gould Street	Claverick St. to Chestnut St.	324.00
Honeyman Street	Broadway to Atwells Avenue	145.30
Howell Street	Camp St. easterly	320.00
Jackson Street	Fountain St. to Cope St.	280.00
Knight Street	Westminster St. to a point 528.76' northwesterly of Cranston St.	124.14
Lester Street	Dodge St. to Bridgham St.	389.37
Lime Street	Fountain St. to northerly termination	186.00
Lime Street	Portion previously abandoned to Carpenter St.	76.00
Lippitt Street	Portion previously abandoned to relocated portion of Howell St.	84.00
Niantic Avenue	Portion west of relocated Niantic Ave.	330.00

Pearl Street	Cranston St. to Perkins St.	410.57
Pond Street	Winter St. to a point 86.07'	
	south of freeway line	951.89
Sabin Street	Cope St. to Greenman Lane	68.00
Sabin Street	Broadway to Greenman Lane	100.00
Spring Street	Pond St. to Broad St.	351.00
Spring Street	Westminster St. to Pond St.	250.00
Stewart Street	Westminster St. to Pond St.	245.82
Stewart Street	Pond St. to Broad St.	366.64
Summer Street	Westminster St. to Pond St.	251.38
Summer Street	Pond St. to Broad St.	360.39
		<u>7,030.46 feet</u>
		or
		1.3315 miles

## UNRECEIVED STREETS ABANDONED

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
Francisco Street	Lime St. to Jackson St.	136.00
Gould Place	Gould St. to Pine St.	160.00
Livermore Street	Dodge St. to westerly termination	100.00
Moore Street	Elmwood Ave. to westerly termination	228.39
San Souci Street	Broadway to Aborn St.	194.50
Superior Street	Diamond St. to easterly termination	254.00
Tighlman Street	Dodge St. to westerly termination	72.00
		<u>1,144.89 feet</u>
		or
		0.217 miles

The approximate length of streets platted but not Received is 41.5641 miles.

The net addition during the year added to the previous total makes the length of Received Streets at the end of the Fiscal Year 1965 (measured along property lines) 370.1637.

In addition to the total of Received Streets there are 3.21 miles of Roadway in the Governor Dennis J. Roberts Expressway.

THE FOLLOWING STREETS, ALL RECENTLY PLATTED, HAVE BEEN  
ADDED TO THE LIST OF UNRECEIVED STREETS:

Wardlaw Court	Wardlaw Ave. to its westerly termination
Neutaconkanut Road	South of Aurelia Drive to its southerly termination
Camp Street	Carrington Ave. to Olney St.

Howell Street	Present westerly termination Howell St. to Olney St.
DuPont Drive	Niantic Ave., easterly, southerly & westerly to Niantic Ave.
Huntington Ave. ByPass	Cranston St. to Mashapaug St.
Magnan Road	DuPont Dr. to Huntington Ave. ByPass
Winfield Road	Blackstone Blvd to Eighth St.
Winfield Court	Winfield Road to its southerly termination

City Property Plans and Surveys were Made Covering the Following Projects:

Calender Street	Proposed Abandonment
Fields Point	Proposed Lease
Bridgham Street	Land Required for Highway Purposes
Honeyman Street	Proposed Abandonment
Fields Point	Proposed Lease
Compton Street	Proposed Sale
Carpenter Street	Proposed Abandonment
Newcomb Street	Proposed Abandonment
Joseph Street	Proposed Abandonment
Lime Street	Proposed Abandonment
Sabin Street	Proposed Abandonment
Elmwood Avenue	Land Required for Highway Purposes
Fields Point	Proposed Lease
Beverly Street	Proposed Abandonment
Unnamed Gangway	Proposed Abandonment
Neutaconkanut Road	Dedication For Highway Purposes
Medway Street	Zoning Change
Ridgeway Avenue	Zoning Change
Clarkson Street	Land Deeded for Highway Purposes
Saratoga Street	Zoning Change

Westminster Street	Zoning Change
Duxbury Street	Zoning Change
Carpenter Street	Proposed Abandonment
Celia Street	Zoning Change
DiPippo Street	Zoning Change
Howell Street	Proposed Abandonment
Broad Street	Zoning Change
Roger Williams Park	Topography Survey
Fields Point	Proposed Lease
San Souci Street	Proposed Abandonment
Gould Place	Proposed Abandonment
Admiral Street	Proposed Sale
Westminster Street	Zoning Change
Silver Spring Street	Zoning Change
Triggs Park	Recreation Field
Howell Street	Proposed Abandonment
Lippitt Street	Proposed Abandonment
Christopher Street	Proposed Abandonment
Tallman Street	Proposed Abandonment
Central-Classical Area	Proposed Abandonments
Chalkstone Avenue	Survey
Christopher Street	Proposed Abandonment (Portion)
Fields Point	Proposed Lease
Merino Park	Location Plan
Dennis J. Roberts Expressway	Excess Property Location
Hill Crest Avenue and Ridgeway Avenue	Rock Removal Project
Roger Williams Park	Location Survey
Huntington Avenue	Zoning Change



Courtland Street	Zoning Change
Joseph Street	Zoning Change
Medway Street	Zoning Change
Sabin Street	Proposed Abandonment
Stewart Street	Proposed Abandonment
San Souci Street	Proposed Abandonment
Niantic Avenue	Proposed Abandonment
Stewart Street	Proposed Abandonment
Moore Street	Proposed Abandonment
Central-Classical Area	Proposed Abandonment
Butler Avenue	Zoning Change
Douglas Avenue	Zoning Change
Cypress Street	Zoning Change
Pearl Street	Proposed Abandonment
DiPippo Street	Zoning Change
Westminster Street	Zoning Change
Silver Spring Street	Zoning Change
Knight Street	Proposed Abandonment
Medway Street	Zoning Change
Superior Street	Proposed Abandonment
Unnamed Gangway	Proposed Abandonment

THE FOLLOWING PLANS OF STREET LINES WERE DRAWN FOR GENERAL OFFICE USE:

Cavallatti Street	Farmington Ave. to Pocasset River
Gallileo Avenue	Chalkstone Ave. to Standish Ave.
Victoria Street	Chalkstone Ave. to Guelph St.
Clarkson Street	Admiral St. to Freeway Line
Eaton Street	River Ave. to Sharon St.

Libia Street	Farmington Ave. to City Line
River Avenue	Eaton St. to Joy St.
Aldine Street	Chalkstone Ave. to Almira Ave.
Messina Street	Douglas Ave. to Glasgow St.

STREET LINES WERE RE-ESTABLISHED, BUILDINGS LOCATED, AND  
NEW PLANS WERE DRAWN OF THE FOLLOWING STREETS:

Terminal Road	Allens Ave. to New York Ave.
Shipyard Street	Ernest St. to Harbor Side Blvd
Harbor Side Blvd	Fields Point Drive to Harbor Line
Port Drive	Fields Point Drive, easterly and northerly to Harbor Side Blvd
New York Ave.	Narragansett Blvd to Terminal Road
Ernest Street	Allens Ave. to its easterly termination
Standish Avenue	Chalkstone Ave. to Rialto St.
Fields Point Drive	New York Ave. to its southerly termination
Harbor Side Blvd	Shipyard St. to Port Drive
Fort Avenue	Shipyard St. to New York Ave.
Judith Street	Magnolia St. to Lena St.
Lena Street	Judith St. to its termination
Huldah Street	Magnolia St. to its termination
Buel Court	Cambridge Ave. to its termination
Sears Avenue	Cambridge Ave. to Ranglely Ave.
Grove Street	Tobey St. to Ridge St.
Ridge Street	Tobey St. to Grove St.
Elmwood Avenue	Bridgham St. to Wilson St.

NEW PLANS WERE DRAWN DURING THE YEAR TO ASSIST THE CITY COUNCIL IN CONSIDERATION OF PROPOSED CHANGES IN THE ZONING MAPS AS PETITIONED BY VARIOUS PERSONS. THE FOLLOWING AMENDMENTS WERE APPROVED:

Broad Street  
Silver Spring Street  
Ledge Street  
Saratoga Street  
Flora Street  
Metcalf Street  
Central-Classical Area  
Douglas Avenue  
Northup Avenue  
Edward Street  
Joseph Street  
Carpenter Street  
Westminster Street  
Angell Street  
Orms Street  
Dike Street  
Valley Street  
Hartford Avenue  
Jewett Street  
Bridgham Street  
Westminster Street  
Cypress Street  
Silver Spring Street  
Killingly Street  
Stimson Avenue  
Carpenter Street

Celia Street  
DiPippo Street  
Winter Street  
Lester Street  
West Hoyle Street  
Cranston Street  
Pearl Street  
Knight Street  
Broad Street  
Westminster Street  
Carpenter Street  
Weybosset Hill Project

DESCRIPTIONS OF THE ABOVE APPROVED CHANGES WERE DRAFTED  
AND FURNISHED TO THE ZONING OFFICE AND THE CITY COUNCIL  
FOR INCORPORATION IN THE ORDINANCES.

THE FOLLOWING PLANS WERE DRAWN FOR AMENDMENTS TO THE  
ZONING ORDINANCE THAT FAILED OF PASSAGE:

Huntington Avenue  
Douglas Avenue  
Carpenter Street  
Madison Street  
Homestead Avenue  
Joseph Street  
Courtland Street  
Huntington Avenue  
Calhoun Avenue

Butler Avenue  
Medway Street  
Waterman Street  
Derry Street  
Admiral Street

#### NORTH BURIAL GROUND

During the year 64 deeds to lots conveyed by the City and 67 certificates of Perpetual Care have been drawn. Descriptions of the lots were furnished the superintendent. Field surveys were made and lots staked out on the ground when requested. Elevations were taken and surveys were made for the development of five new sections at the request of the superintendent.

#### GENERAL

DURING THE YEAR THE FOLLOWING WORK OF A SPECIAL NATURE WAS COMPLETED:

Location surveys were made to assist the Police Department in prosecuting license violations.

Title research work was made on various parcels of land in the City's interest.

Street lines were re-established, buildings located and plans made for various streets.

Surveys were made for leases of City owned land at Fields Point.

Various street locations were given to assist the Narragansett Electric Company and the Telephone Company in setting new poles.

Surveys were made and plans drawn for proposed street widening.

Several plans were drawn to assist the City Clerk's Office in accordance with City Council Ordinances.

Measurements were taken and plans made for Public Buildings Department for sidewalk construction estimates.

Measurements were taken and plans drawn to assist the Police Department in the prosecuting of murder and accident cases.

The annual chart showing the incidence of certain contagious diseases was prepared for the use of the Health Department.

Resolutions were drafted for the City Council, covering all actions relating to the acceptance and abandonment of streets, defining grades and grading and curbing streets.

Plats presented for record have been compared for the Recorder of Deeds Office and Plats for recording have been furnished the Recorder's Office under the provisions of Chapter 987 and 2118 of the Public Laws.

Descriptions of land taken by condemnation for highways and park purposes and for incorporation in deeds of land purchased or sold, leases and rights-of-way to and from the City, the methods by which various properties were acquired, the purpose of original purchase and present status were furnished to the Law Department and other assistance rendered as requested.

Engineering assistance was given to the Public Buildings Division, Police Department, City Plan Commission, Traffic Division, Board of Canvassers, City Clerk's Office, City Controller's Office, Tax Assessor's Office, Redevelopment Agency, Water Department and Building Inspection Division, from time to time.

A survey was made and plans were drawn for the location of a fence at Danforth Street playground.

A survey was made at Danforth Street School and plans were drawn showing the sewer lines in the area,

A survey was made and lines established for fence and back-stop at Neutaconkanut Park Little League Field.

A survey was made showing location of walls and paths and new graves were staked out on Vine Avenue in the North Burial Ground.

A survey was made and lines established on Kinfield Street at the request of the Sewer Department.

A location survey was made and grades were marked at Fields Point on City-owned land on Shipyard Street, leased to Brewster Lumber Company.

A survey was made and topography taken of City-owned land at Fields Point for the lease to George Mann Company.

A survey was made of City-owned land at New York Avenue and Shipyard Street for lease to Halloran Construction Company.

A topographical survey was made for the grading of an ice rink at Merino Park.

Surveys were made and elevations were taken at Mount Pleasant Stadium Plat at the request of the Sewer Department.

Lines were marked for relocation of poles for fire alarm systems on Netop Drive, Potter Drive and Spooner Street.

A survey was made and plans were drawn of excess condemnation property of Dennis J. Roberts Expressway at Judith Street, Lena Street and Huldah Street.

A survey was made and plans drawn showing the locations of walls and fences at the playground at Camp Street, Knowles Street and Duncan Avenue at the request of Public Buildings Department.

A survey was made and street lines established at the request of the Sewer Department on Gallileo Avenue, Gage Street, Manomet Street and Guelph Street.

A survey was made and elevations were taken, grades were marked for the construction of two new parking lots in Roger Williams Park.

A survey was made, elevations were taken, grades marked at the old Race Track at Roger Williams Park, for the proposed new location of the Wild Animal Exhibit.

Street lines were established, buildings located and plans drawn for various roads in the Fields Point Area.

Surveys were made, lines were re-established, buildings were located and new plans drawn for the following streets:

Douglas Avenue	Admiral Street to Columbus Street
Douglas Avenue	Columbus Street to Atlas Street
Douglas Avenue	Atlas Street to Burns Street
Douglas Avenue	Burns Street to City Line
Chalkstone Avenue	Smith Street to Oakland Avenue
Chalkstone Avenue	Lisbon Street to Canton Street
Chalkstone Avenue	Canton Street to Academy Avenue
Chalkstone Avenue	Academy Avenue to Carleton Street
Chalkstone Avenue	Carleton Street to Lynch Street

Chalkstone Avenue	Lynch Street to Sisson Street
Chalkstone Avenue	Sisson Street to Freedom Road
Chalkstone Avenue	Freedom Road to Manton Avenue
Marconi Sreet	Gallileo Avenue to its westerly termination
Verdic Avenue	Killingly Street to City Line
Virginia Lane	Douglas Avenue to Glasgow Street

Surveys were made and plans drawn for new leases of City owned land at Fields Point.

Survey was made and grades were marked on Port Drive for the lowering of a high service gas main at the request of the Providence Gas Company.

During the year extensive work was done for the Board of Canvassers and Registration in preparing tabulation charts for primary and regular elections.

Survey was made and grades were marked for wading pool at Merino Park.

Lines were established on Buel Court at the request of the Sewer Department.

Survey was made, grades marked and daily inspection provided for the rock removal project on Hill Crest and Ridgeway Avenues. A physical inspection of the premises adjacent to the construction area was made with the consent of the property owners.

A survey was made for the proposed condemnation for the widening of Bridgham Street at Elmwood Avenue in conjunction with the Providence Redevelopment Agency.

A survey was made and a new section of graves and paths were laid out in the Birch Avenue Section of the North Burial Ground.

A topographical survey was made and locations taken on City owned land at Harborside Blvd in the Fields Point Area.

Inspection was provided by members of this section for the ice control and snow removal operations of the Public Works Department.



The annual tabulation of all real estate owned by the City of Providence and real estate in which the City of Providence has an interest was made and classified for the City Controller for inclusion in his report and known as Part II-Statistical Information and shown as tables 1 and 2, of real estate and personal property data in compliance with the provisions of Section 85, Chapter 2, Revised Ordinances of 1946. These tables of real estate were prepared by this office from records of this Department and tax valuations furnished by the Tax Assessor's office.

This report, of the City Controller, divides City held property into the following categories:

- Parks and Playgrounds
- Miscellaneous Public Buildings
- Miscellaneous Real Estate
- Public Schools
- Fire Stations
- Police Stations
- Real Estate acquired at tax sale
- Water Works
- Dexter Donation
- Charles H. Smith Estate

This report breaks down each parcel of City-Owned land into Assessor's Plats, Lots, Land Values, Building Improvement Values and Total Unit Valuations.

Also reflected in this report is a compilation of all productive real estate showing a description of property leased, rent per annum, term of lease and termination date.

#### HIGHWAY SECTION

Work performed in general is as follows:

ESTIMATES. Of the cost of making improvements, consisting of curb openings, furnishing and setting curbing, relaying pavements in curb openings, changing curb as desired by 152 individuals or corporations, were furnished the Director of Public Works.

BUILDING NOTICES. Grades either proposed, defined or established have been marked on the ground for parties intending to build on fifteen streets covering thirteen applications.

CURBING. Lines and grades have been marked out for resetting curbing and paving gutters in portions of streets as requested.

PROFILES. Profiles of sundry streets, approximately 0.852 miles have been made for the purpose of defining grades. The contours of the center and side lines are shown at fifty foot stations, also the levels of the sills and ground lines of the houses

adjoining the streets. The profile plans include plan views with property lines and houses shown.

STREET GRADING. Abutting owners: Grades in sundry streets have been marked out at intervals of about fifty feet for street grading or for the benefit of individuals owning abutting property.

ASSESSMENTS. The Highway Section computes assessments for curbing and grading.

WESTMINSTER PEDESTRIAN MALL. The Highway Section designed and drew plans for the grading and construction of the Mall.

In addition all field work, including layout and inspection, was furnished by this section.

Plans and Specifications, Engineering Field Work and Inspections were furnished for the construction or the reconstruction of the following streets by the Construction and Maintenance Division-Highway Section.

TYPE-BITUMINOUS CONCRETE

<u>STREET</u>		<u>SQUARE YARDS</u>
Adelaide Avenue	Crescent Street to easterly termination	5,023
Barstow Street	Valley Street to a pt. 285 ft. west of Cutler Street	2,828
Biltmore Avenue	Chalkstone Avenue to View Street	1,757
Bough Street	Westminster Street to Dike Street	808
Broom Street	Eddy Street to Rugby Street	1,296
Calla Street	Eddy Street to Broad Street	1,134
Clemence Street	Westminster Street to Washington Street	625
Common Street	Smith Street to Jefferson Street	1,589
Crimea Street	Chalkstone Avenue to Douglas Avenue	591
Cromwell Street	Elmwood Avenue to Dexter Street	2,157
Croyland Road	Potters Avenue to Oxford Street	2,491
Cutler Street	Atwells Avenue to Barstow Street	770
Daboll Street	Elmwood Avenue to Dexter Street	2,953
Dudley Street	Plain Street to Friendship Street	8,914
Eaton Street	River Avenue to Jastram Street	2,147
Emmett Street	Plain Street to Beacon Avenue	1,117
Fairoaks Avenue	Quincy Street to Elmhurst Avenue	1,358
Fairoaks Avenue	Roslyn Avenue to Hilltop Avenue	578
Fallon Avenue	Chalkstone Avenue to Justice Street	2,424
Fisk Street	Broad Street to Verndale Avenue	3,928
Frank Street	Plain Street to Prairie Avenue	1,773
Hawthorne Street	Elmwood Avenue to Vineyard Street	1,398
Hilltop Avenue	Smith Street to Eaton Street	3,685
Jefferson Street	Smith Street to a pt. south of Cherry Street	405
Jefferson Street	Common Street to Orms Street	1,035
Jillson Street	Eddy Street to Broad Street	1,597

Johnson Street	Rugby Street to Eddy Street	1,272
Lancaster Street	North Main Street to Ivy Street	3,753
Marengo Street	Eddy Street to Parsonage Street	1,144
Mawney Street	Elmwood Avenue to Updike Street	2,124
Middle Street	Union Street to Eddy Street	265
Morton Street	Eddy Street to Broad Street	896
Oldham Street	Plain Street to Beacon Avenue	1,408
Pavilion Avenue	Eddy Street to a pt. east of Blundell Street	861
Payton Street	Broad Street to Roger Williams Park	3,314
Plain Street	Public Street to Potters Avenue	1,388
Plenty Street	Broad Street to Elmwood Avenue	3,200
Potters Avenue	Eddy Street to Broad Street	8,565
Public Street	Eddy Street to a pt. 80 ft. west of I-95	1,799
Reynolds Avenue	Broad Street to Burnside Street	5,228
Ruggles Street	Chalkstone Avenue to Smith Street	1,355
Salisbury Street	Plain Street to Ocean Street	1,348
Saratoga Street	Broad Street to Baxter Street	1,603
Sayles Street	Prairie Avenue to Gordon Avenue	1,019
Somerset Street	Pine Street to Broad Street	1,650
Sumter Street	Emerson Street to a pt. 345 ft. westerly	1,150
Stokes Street	Westminster Street to Dike Street	666
Tuxedo Avenue	Atwells Avenue to Amherst Street	1,345
Warrington Avenue	Niagra Street to Broad Street	3,719
Whitford Avenue	River Avenue to Sharon Street	1,567
Young Avenue	Chalkstone Avenue to Smith Street	711
TOTAL		111,364

SPECIAL HIGHWAY RESURFACING BY CITY OF PROVIDENCE  
UNDER CONTRACT

<u>STREET</u>	<u>TYPE-BITUMINOUS CONCRETE</u>	<u>SQUARE YARDS</u>
Smith Street	Gentian Avenue to City Line	5,930
Westminster Street	Barton Street to Valley Street	6,145
Total under contract to M. A. Gammino Const. Co.		12,075

Plans and Specifications, Engineering Field Work and Inspections were furnished for the grading, curbing, and construction of the following streets:

By Fanning and Doorley Construction Company

<u>STREET</u>	<u>TYPE-BITUMINOUS CONCRETE</u>	<u>SQUARE YARDS</u>
Beverly Street	Fountain Street to Washington Street	283
Clarkson Street	Admiral Street to easterly termination	1,852

DiMario Drive	Jasper Street to northerly termination	E-18 1,221
Jasper Street	Portion already paved to easterly line of DiMario Drive	327
Spokane Street	Charles Street to easterly termination	<u>924</u>

Total under contract to Fanning and Doorley Const. Company 4,607

By Campanella and Cardi Construction Company

Bissell Street	Stamford Avenue to Elmwood Avenue	1,077
Celia Street	Hartford Avenue to is northerly termination	2,069
Hamlin Street	Present easterly termination easterly to the freeway taking line	435
Hylestead Street	Pavilion Avenue to its northerly termination	1,675
King Philip Street	Barbara Street northerly to Route 6 Freeway Line	1,138
Marconi Street	Galileo Avenue to its westerly termination	695
Netop Drive	Thurston Street to is southerly termination	2,672
Potter Drive	Hamlin Street to Thurston Street	1,354
Spooner Street	Stamford Avenue to Netop Drive	983
Stamford Avenue	Spooner Street to southerly line of Bissell Street	796
Stella Street	Barbara Street northerly to Route 6 Freeway line	862
Thurston Street	Westerly line of Potter Drive easterly to the Freeway Taking Line	966
Wardlaw Court	Wardlaw Avenue to its westerly termination	<u>1,173</u>

Total under contract to Campanella and Cardi Const. Company 15,895

TOTAL FOR STREETS CONSTRUCTED UNDER CONTRACT 20,502

Construction was in progress in the following streets on September 30, 1965:

Farm Street	Academy Avenue to Webb Street
Glover Street	Mount Pleasant Avenue to Home Avenue
Rowan Street	Chalkstone Avenue to Glover Street
Eastwood Avenue	Heath Street to Merino Street

Following is a list of unimproved streets ordered built by City Council Resolution, construction of which has not commenced:

<u>STREET</u>		<u>CURB ORDERED</u>	<u>LENGTH IN FEET</u>
Amelia Drive	Lecia Drive to Neutaconkanut Road	May 11, 1965	396
Canonchet Street	Samoset Avenue to Standish Avenue	May 11, 1965	176
Cavallatti Street	Farmington Avenue to its southerly termination	May 11, 1965	350
Crary Street	Allens Avenue to east line unnamed street	Dec. 5, 1940	276
Cutler Street	Newark Street to Atwells Avenue	Aug. 7, 1952	206
Gage Street	Victoria Street to Samoset Avenue	May 11, 1965	361
Galileo Avenue	From the point previously received 500 feet north of Chalkstone Avenue, northerly and easterly to Standish Avenue	May 11, 1965	1213
Guelph Street	Victoria Street to its easterly termination	May 11, 1965	219
Jacqueline Drive	Legion Memorial Drive to Neutaconkanut Road	May 11, 1965	446
Joy Street	River Avenue to its westerly termination	Dec. 6, 1954	400
Lecia Drive	Jacqueline Drive to Sunset Avenue	May 11, 1965	530
Manomet Street	Standish Avenue to Victoria Street	May 11, 1965	567
Neutaconkanut Road	Sunset Avenue to its southerly termination	May 11, 1965	792
Platted Street	Crary Street to Globe Street	Dec. 5, 1940	117
Redwood Drive	City Line at Longwood Avenue to City Line at Royal Avenue	May 6, 1960	301
Roda Drive	Lecia Drive to Neutaconkanut Road	May 11, 1965	313
Samoset Avenue	From the southerly line of Gage Street, northerly to Galileo Avenue	May 11, 1965	543
Stillwater Avenue	Brightwood Avenue northerly to the City Line	Feb. 19, 1965	818
Trainor Street	Acorn Street to DePasquale Avenue	June 20, 1935	249
Victoria Street	From the southerly line of Gage Street, northerly to Galileo Avenue	May 11, 1965	359
Virginia Lane	Douglas Avenue to the easterly line of Glasgow Street	May 11, 1965	<u>911</u>
		Total	9,543

PETITIONS TO HAVE GRADE DEFINED

<u>DATE</u>	<u>STREET AND LOCATION</u>
Jan. 20, 1955	Adie Street, from Atwells Ave. to Cedar St.
Feb. 17, 1955	Ophelia Street, from a point 120 ft. S. of Thornton St. to Wolfe St.
June 2, 1955	Aumond Street, from Edgewood Blvd. to City Line
Sept. 1, 1955	Queen Street, from Laurel Hill Ave. to its northerly termination
Nov. 3, 1955	Hymer Street, from Crandall St. to Seamans St.
Dec. 1, 1955	Derry Street, from Oregon St. to Geoffreys Court
May 3, 1956	Stukely Street, from Hartford Ave. to #41 Stukely St.
June 7, 1956	Monticello Street, from Oppper St. to Robin Brook Sewer
Aug. 2, 1956	Libia Street, from Farmington Ave. to its termination
Sept. 6, 1956	Minnesota Street, from Woodward Rd. to its termination
Feb. 7, 1957	Maria Street, from Killingly St. to City Line
May 16, 1957	Corsica Street, from Fruit Hill Ave. to Genoa St.
May 16, 1957	Genoa Street, from Fruit Hill Ave. to Toronto St.
July 11, 1957	Hillard Street, from Manton Ave. to Pelham St.
July 11, 1957	Cowper Court, from Messer St. to its termination
Oct. 3, 1957	Duke Street, from Orms St. to Smith St.
May 1, 1958	York Street, from North Main St. to Steele St.
July 3, 1958	Proctor Place, from Doyle Ave. to termination
Aug. 7, 1958	Sedan Street, from Argol St. to termination
Sept. 4, 1958	Yorktown Place, from Linton St. to its termination
Nov. 6, 1958	Myra Street, from Killingly St. to Boundry Ave.
Feb. 19, 1959	Deerfield Terrace, from Alger Ave. to its termination
Mar. 5, 1959	Sibley Street, from Crescent St. to its westerly termination
Apr. 2, 1959	Nye Street, from Ida St. to Merino St.
July 2, 1959	Batterson Street, from Walsh St. to Bullock Ave.
July 2, 1959	Bullock Avenue, from Batterson St. to City Line
July 2, 1959	Hennessey Street, from St. Thomas St. to Bullock Ave.
July 2, 1959	Rowley Street, from Batterson St. to Hennessey St.

July 2, 1959	Triggs Street, from Walsh St. to Bullock Ave.
July 2, 1959	Walsh Street, from Batterson St. to Hennessey St.
Mar. 3, 1960	Wayland Avenue, from Pitman St. to its southerly termination
Mar. 3, 1960	Unnamed Gangway, from Peter St. to Ledge St.
Sept. 1, 1960	Owen Street, from Manton Ave. to King St.
Feb. 16, 1961	East George Street, Gano St. to Butler Ave.
Apr. 20, 1961	Haswell Street, from Eddy St. to its easterly termination.
May 18, 1961	Shaw Street, from Langdon St. to Lakeside St.
Aug. 10, 1961	Lakeside Street, from Shaw St. to Ever-son St.
Aug. 10, 1961	Dorothy Avenue, from west line in Robin Brook Sewer to Charles St.
Jan. 18, 1962	DiPippo Street, Killingly St. to its termination
Feb. 15, 1962	Shaw Street, easterly line of Lakeside St., westerly to its westerly termination.
Mar. 1, 1962	Unnamed Gangway, east of Havana St. westerly to the City Line
June 7, 1962	Dakota Street, Woodward Rd. to termination
Feb. 20, 1964	Thurston Street, Stamford Ave. to the westerly line of Potter Drive
Mar. 19, 1964	Molter Street, from Service Road #10 to Lakeview Dr.
May 21, 1964	Joseph Street, City Line to Havana St.
Mar. 18, 1965	Lynde Street, from Longwood Ave. to its easterly termination.
July 1, 1965	Winfield Court, from Winfield Rd. to its southerly termination.
July 1, 1965	Winfield Road, from Blackstone Blvd to Eighth St.

#### PETITIONS FOR CURBING AND GRADING

<u>DATE</u>	<u>STREET LOCATION</u>
Feb. 17, 1955	Ophelia Street, from a point 120 ft. south of Thornton St. to Wolfe St.
May 5, 1955	Park Row, from Edgewood Blvd southerly to Cranston City Line.
June 2, 1955	Aumond Street, from Edgewood Blvd to City Line.
Sept. 1, 1955	Queen Street, Laurel Hill Ave. to its northerly termination.
Nov. 3, 1955	Hymers Street, from Crandall St. to Seamans St.
Dec. 1, 1955	Derry Street, from Oregon St. to Geoffreys Court

May 3, 1956	Stukely Street, from Hartford Ave. to #41 Stukely St.
Aug. 2, 1956	Libia Street, from Farmington Ave. to its termination
Nov. 15, 1956	Burton Street, from Bingham St. to its termination
Feb. 7, 1957	Maria Street, from Killingly St. to City Line
May 2, 1957	Hagan Street, from Charles St. to Langdon St.
July 11, 1957	Hillard Street, from Manton Ave. to Pelham St.
July 11, 1957	Cowper Court, from Messer St. to its termination
Aug. 15, 1957	Grotto Avenue, from Upton Ave. to portion already received
Oct. 3, 1957	Duke Street, from Orms St. to Smith St.
Feb. 20, 1958	Carver Court, from 53 Pleasant St. to its termination
May 1, 1958	York Street, from North Main St. to Steele St.
July 3, 1958	Proctor Place, from Doyle Ave. to its termination
Sept. 4, 1958	Yorktown Place, from Linton St. to its termination
Sept. 18, 1958	Tappan Street, from angle to Admiral St.
Nov. 6, 1958	Myra Street, from Killingly St. to Boundary Ave.
Mar. 5, 1959	Sibley Street, from Crescent St. to its westerly termination
July 2, 1959	Batterson Street, from Walsh St. to Bullock Ave.
July 2, 1959	Bullock Avenue , from Batterson St. to City Line
July 2, 1959	Hennessey Street, from St. Thomas St. to Bullock Ave.
July 2, 1959	Rowley Street, from Batterson St. to Hennessey St.
July 2, 1959	Triggs Street, from Walsh St. to Bullock Ave.
July 2, 1959	Walsh Street, from Batterson St. to Hennessey St.
Mar. 3, 1960	Wayland Avenue, from Pitman St. to its southerly termination
Mar. 3, 1960	Unnamed Gangway, from Peter St. to Ledge St.
Feb 16, 1961	East George Street, Gano St. to Butler Ave.
Apr. 20, 1961	Haswell Street, Eddy St. to its easterly termination
May 18, 1961	Shaw Street, Langdon St. to Lakeside St.
Aug. 10, 1961	Lakeside Street, from Shaw St. to Everson St.
Aug. 10, 1961	Dorothy Avenue, from west line of Robin Brook Sewer to Charles St.
Aug. 10, 1961	Genoa Street, Fruit Hill Ave. to Toronto St.



Aug. 10, 1961	Corsica Street, From Fruit Hill Ave. to Genoa St.
Jan 18, 1962	DiPippo Street, Killingly St. to its northerly termination
Feb. 15, 1962	Shaw Street, easterly line of Lakeside St. westerly to its westerly termination
Mar. 1, 1962	Unnamed Gangway, east of Havana St. westerly to the City Line.
Feb. 20, 1964	Thurston Street, Stamford Ave. to the westerly line of Potter Drive.
Mar. 19, 1964	Molter Street, from Service Rd #10 to Lakeview Dr.
May 21, 1964	Joseph Street, City Line to Havana St.
March 18, 1965	Lynde Street, from Longwood Ave. to its easterly termination
July 1, 1965	Winfield Court, from Winfield Rd. to its southerly termination
July 1, 1965	Winfield Road, from Blackstone Blvd to Eighth St.
July 1, 1965	Wardlaw Avenue, from Stonelaw Ave. to Wardlaw Court
July 1, 1965	Actinia Street, from Rushmore Ave. to Sission
Aug. 16, 1965	Monticello Street, from Oppper St. to the Robin Brook Sewer
Sept. 2, 1965	Concord Street, from Frost St. to Matilda St.

### SUMMARY TO OCTOBER 1, 1965

The following table shows type of pavement, lengths and areas:

<u>TYPES OF PAVEMENT</u>	<u>LENGTHS MILES</u>	<u>AREA SQUARE YARDS</u>
Reinforced Concrete	0.170	3,101.0
Bituminous Concrete (curbed)	193.131	3,258,051.9
Bituminous Conc. (not curbed)	6.843	118,920.0
Sheet Asphalt (curbed)	59.285	1,468,245.6
Sheet Asphalt (not curbed)	0.300	4,195.0
Bituminous Macadam (curbed)	100.316	1,548,537.0
Bituminous Macadam (not curbed)	2.107	34,164.0
Asphalt Blocks	0.119	958.0
Cobble	0.026	330.9
Granite Blocks	2.567	39,520.8
Waterbound Macadam (curbed)	1.906	33,418.0
Waterbound Macadam (not curbed)	0.580	6,237.0
	<u>367.350</u>	<u>6,515,679.2</u>
Received (not improved)	2.552	
Total	<u>369.902</u>	

The following work has been completed during the year-namely:

Streets Paved with New Material	39,147	Linear Feet
Bituminous Concrete Pavement Laid	143,941	Square Yards

## SEWER AND STRUCTURAL SECTION

The duties of this section consist of the preparation of studies, plans, specifications and estimates of proposed Sanitary and Storm sewers, preparation of studies, plans, specifications and estimates of proposed miscellaneous structures and the field engineering and inspection work of all above projects in progress and the computation of final payments to contractors.

All records on the above are filed for future reference and all field record books are filed in fire-proof cabinets. Plans are made on cloth-mounted drawing paper of all sewer construction and all house drainage connections are platted on these plans.

Field measurements were made in sewers periodically, in order to compute the sewage flow from North Providence.

A contract for sewers in various streets by the D'Ercole Const. Co., Inc., dated July 10, 1964, was completed Dec. 18, 1964. Final cost equalled \$35,446.90.

The streets involved are as follows with the completion dates noted:

<u>COMPLETION DATE</u>	<u>DESCRIPTION</u>
Sept. 30, 1964	Joseph Street-from its westerly termination to Havana Street then southerly in Havana Street to present sewer in Lubec Street
Aug. 25, 1964	Marconi Street-from westerly termination to Gallileo Avenue
Sept. 9, 1964	Whitehall Street-from southerly termination to Union Avenue
Dec. 18, 1964	Legion Memorial Drive-from near its southerly termination to Sunset Avenue.

A contract for sewers in various streets by the Capaldi Brothers Corp. dated April 30, 1965, is now in construction. The streets involved are as follows with the completion dates noted. The value of the work done to date equals \$102,147.00.

<u>COMPLETION DATE</u>	<u>DESCRIPTION</u>
June 23, 1965	Kinfield Street-from near Barbara Street to Route 6 freeway line.
June 10, 1965	Verdic Avenue-from near the City Line to killingly Street
June 3, 1965	Cavallatti Street-from its southerly termination to Farmington Avenue

July 12, 1965	Legion Memorial Drive-from near its southerly termination to Sunset Avenue
July 22, 1965	Clarkson Street and Right of Way
July 27, 1965	Buel Court-from its northerly termination to Cambridge Street
	Lecia Drive-from Jacqueline Drive to Sunset Avenue
July 19, 1965	Beetle Street-from approx. 220 ft. east of Rushmore Avenue to Rushmore Avenue
August 9, 1965	Aurelia Drive-from Lecia Drive to Neutaconkanut Road
August 10, 1965	Jacqueline Drive-from Legion Memorial Drive to Neutaconkanut Road
August 12, 1965	Roda Drive-from Lecia Drive to Neutaconkanut Road

Following are lists of streets for which sewer plans were made for submission to the Public Works Committee of the City Council:

LIST NO. 1

Sewers ordered built by the City Council which are not constructed as of September 30, 1965, exclusive of those contracted for:

City Council  
Resolution  
and Year

Location

229-1940	Bucklin Street, from near Potters Ave. to Greenwich St.
440-1940	Niantic Avenue, from near Cranston St. to Akerman St.
293-1951	White Street, from Powell Street to Collyer St.

LIST NO. 2

Sewers petitioned for and referred to the Public Works Committee for further action, from Oct. 1, 1951 to September 30, 1965:

Oct. 2, 1952	Okie Street, from its westerly termination to Bath Street
Apr. 16, 1953	Myra Street, from near Boundary Ave. to Killingly St.

July 1, 1954	Bullock Ave., from City Line to Dunbar St.
Sept. 2, 1954	Groton St., from Durfee St. to Powhattan St.
July 7, 1955	Vespucci St., from Fernando St. to Douglas Ave.
Sept. 1, 1955	Queen St., from its northerly termination to Cleveland St.
Nov. 3, 1955	Hymer St., from near Seamans St. to Crandall St.
Dec. 1, 1955	Derry St., from near Geoffreys Court to Oregon St.
May 3, 1956	Stukeley St., from its northerly termination to Hartford Ave.
Aug. 2, 1956	Libia St., from the City Line to Farmington Ave.
Feb. 7, 1957	Maria St., from Killingly St. to the City Line
June 6, 1957	Cowper Court, from its termination to Messer St.
Sept. 4, 1958	Yorktown Place, from its termination to Linton St.
July 2, 1959	Hennessey St., from Bullock Ave. to St. Thomas St.
Aug. 6, 1959	Como St., from its northerly termination to Ledge St.
Mar. 3, 1960	Wayland Ave., from East George St. to southerly termination.
Mar. 3, 1960	Unnamed Gangway from Peter St. to Ledge St.
Feb. 16, 1961	East George St. from new Wayland Ave. to Butler Ave. and in Butler Ave. from East George St. to Pitman St.
Feb. 16, 1961	Howe St., from Niantic Ave. to Lakeview Dr. Jordan St., from Westmore St. to Reservoir Ave.
Apr. 20, 1961	Haswell St., from approximately 300 feet east of Lddy St. to Lddy St.
Aug. 10, 1961	Genoa Ave. from near Taranto St. to Fruit Hill Ave.
Aug. 10, 1961	Corsica St., from near Genoa Ave. to Fruit Hill Ave.

Jan. 18, 1962	DiPippo St., from its northerly termination to Killingly St.
Mar. 1, 1962	Unnamed Gangway east of Havana St. westerly to City Line
May 2, 1963	Clarkson St., from near Admiral St. to its easterly termination and northerly in Right of way to Suffolk St.
Aug. 8, 1963	Stillwater Ave., from near City Line to Brightwood Ave.
Oct. 3, 1963	Hylstead St., from northerly termination to Pavilion Ave.
Dec. 17, 1964	Neutaconkanut Road, from Sunset Ave. to and including Lot No. 1.
Mar. 18, 1965	Lynde St., from easterly termination to Longwood Ave.
July 1, 1965	Unnamed gangway (opposite Lynch St.) between Manton Ave. and Atwells Ave.

Sewer Assessments: Sewer Assessments as provided by authority of Chapter 870 of the Public Laws of the State of Rhode Island of 1901 are certified for payment by the Director of Public Works to the City Collector. Special working plans are made and areas and amounts are computed by this office and filed for permanent record.

Sewer System Statistics:

In order to make complete the Providence Sewer System Statistics up to the end of the Fiscal Year of September 30, 1965, the following extracts from previous reports are herein included and the mileage figures change to the new totals.

The City is divided into four main drainage areas bounding on the Providence, Woonasquatucket, Moshassuck and Seekonk Rivers.

Combined sewers, discharging both crude sewage and storm water into rivers, were constructed in these areas between the years 1871 and 1890 to a total length of 62.7 miles.

"A" In 1890 a new method handling sewage flow was devised and was called the improved sewer system. From 1890 to 1904, 28.1511 miles of this system was constructed with sizes varying from 6 in. to 110 in. in diameter. This system included the intercepting sewers, designed for the collection of sewage flow from older sewers which heretofore discharged into rivers, which helped toward the elimination of sewage pollution of river and harbor waters. Due to later revisions in construction, the length of the improved sewer system equaled as of September 30, 1965, 54.8807 miles. (Increase this year 0.7202 miles).

"B" In 1872 the first storm sewer construction was started and as of September 30, 1964, a total of 87.4894 miles of sewers for storm water only, have been constructed and discharged into the nearest available pond or stream. (Increase this year 0.3106 miles).

"C" The total length of the so-called regular combined sewers as of September 30, 1963, equals 323.7018 miles (No change).

The total length (A+B+C) of all types and sizes of sewers maintained by the Sewer Division of the Public Works Department as of September 30, 1965 equals 466.0719 miles. (Increase this year 1.0308 miles).

Included in this mileage are approximately 20,310 man-holes, also there are approximately 4,721 inlets and 11,994 basins for collecting surface water and trapping debris before entrance into the sewers.

The normal or dry weather flow of sewage is collected and conveyed to the Sewage Treatment Plant at Field's Point. Tide gates are installed at river outfalls to prevent tide-water or river water from entering the sewers.

The sewage from the Washington Park and Field's Point Districts, drains into a small pumping station equipped with two automatic electrically driven pumps, located on City Land at Field's Point just South of New York Avenue and from there is pumped through a cast-iron force main directly to the Sewage Disposal Plant.

A part of the sewage from the West Elmwood Districts drain into a small pumping station, equipped with two automatic electrically driven pumps, located on City Land at Reservoir Avenue and Pontiac Avenue and from there, drains into the Autherglen Avenue gravity flow sewer.

A comparatively high level sewer collects sewage from the Elmwood and South Providence Districts and flows through gravity sewers, directly to the Sewage Disposal Plant.

Generally, with the exceptions as outlined in previous paragraphs, low level sewers collect the sewage from the remainder of the City Districts, with most of the East Side sewage flowing through an inverted syphon sewer under the

Providence River at India Street, and then the sewage flows by gravity to the large pumping station at Ernest Street. At the pumping station the sewage is lifted approximately 27 feet to the high level sewer in Ernest Street and flows by gravity to the Sewage Disposal Plant.

SEWAGE FOR YEAR FROM CRANSTON, JOHNSTON AND NORTH PROVIDENCE

By special acts of the Rhode Island Legislature, parts of Cranston sewage, and all the North Providence and Johnston sewage are allowed to enter the City of Providence sewer system for disposal and treatment. Sewage costs are billed quarterly and the following shows the amounts billed in our fiscal year 1964-1965.

RECEIVED FROM CRANSTON (Narragansett Brewing Company):  
Contract dated June 1, 1955, Terms \$57.00 per million gallons, 100,550,000 gallons metered and billed for \$5,731.35, on  
Contract dated June 1, 1965, Terms \$102.00 per million gallons, 35,230,000 gallons metered and billed for \$3,593.46.

RECEIVED FROM JOHNSTON: Contract dated March 9, 1956 -  
Terms \$57.00 per million gallons, 326,549,000 gallons, metered, estimated and billed for \$18,613.29.

RECEIVED FROM NORTH PROVIDENCE: Flow measured and computed to equal 2,944,272,500 gallons. New Contract dated September 8, 1959, Terms \$100,000.00 annually. Average daily flow equals 8,066,500 gallons. A new Contract is being negotiated.

PRIVATE DRAINS: In co-operation with the office of the Sanitary Engineer, a complete record is made of all sewage drainage installations in private houses. These records and record plans are made and filed by the Sewer Section of the Public Works Engineering Office and contain valuable information of interest to property owners, Title searches, Etc. All new work is covered by field inspection and must comply with the City Ordinances as to workmanship and materials and the work must be done by Licensed Plumbers or Drain Layers who must prove their qualifications before being issued permits by the Director of Public Works.

In the January Session of the State Legislature-Chapter 1661-1945, there was enacted by the General Assembly an Act to simplify the present system of Licensing Master and Journey-men Plumbers for the protection of public health. Sec. 8 (Reads as follows) "Nothing in this Act shall prohibit any City or Town from granting a license to any person as a drain layer to engage in the business of laying of drains and cess-pools" (with the provision, that it is not required by the holder of a State license).

For the calendar year of 1965, the Director of Public Works issued Licenses to seven drain layers and three special for sprinkler system licenses. No list of Licensed Plumbers was received from State Authorities. There was approximately 3000 titles investigated for encumbrances of drainage facilities by title company investigators, and 3000 sketches of present drainage installations given to interested parties. (Owners, Plumbers and Drain Layers).

MISCELLANEOUS WORK: During the year specifications were written up, stencils cut and checked and the bids were tabulated for the following:

<u>BIDS SUBMITTED</u>	<u>DESCRIPTION</u>	<u>ORDERED BY</u>
Nov. 10, 1964	Two New Sedans	Public Works Dept.
Dec. 8, 1964	Two Sand or Salt Spreaders	Highway Div.
Dec. 15, 1964	Diesel Fuel Oil Grade #2	Highway Div.
Jan. 5, 1965	One new 1 ton Pick Up Truck	Highway Div.
Jan. 26, 1965	Removal of 85 Elm Trees	Forestry Div.
Mar. 15, 1965	Removal of 600 Elm Trees	Forestry Div.
Mar. 22, 1965	Seven Tons Gutter Broom Wire	Highway Div.
Mar. 29, 1965	One New Sedan	Highway Div.
April 5, 1965	Asphalt Concrete Surface Course Mixture	Highway Div.
April 13, 1965	Twenty Sugar Maple Trees	Forestry Div.
May 3, 1965	One New $\frac{1}{2}$ Ton Pick Up Truck	Forestry Div.
May 10, 1965	Asphalt Concrete Surface Course Mixture (Dense)	Highway Div.
June 14, 1965	Six New Sedans	Various Divisions
June 14, 1965	Two $3\frac{1}{2}$ C. F. Concrete Mixers	Highway Div.
July 19, 1965	4-16 C. Y. Garbage & Refuse Trucks	Sanitation Div.
Aug. 23, 1965	12 Sand or Salt Spreaders	Highway Div.
Aug. 23, 1965	1 Diesel Tractor	Sewer Div.
Sept. 7, 1965	1 Air Compressor	Sanitation Div.
Sept. 13, 1965	10 Snow Plows	Highway Div.
Sept. 13, 1965	2 Leaf Collectors	Highway Div.

A Contract was entered into with Charles A. Maguire and Associates on July 14, 1964, for the engineering services in connection with inspection and design of the Providence River Bridges from Exchange Bridge to Crawford Street Bridge and other bridge facilities for \$87,500.00, was completed September 10, 1965.

A Contract was entered into with the Gunitite Restoration Co. on April 30, 1965, for the restoration and protection of structural members of the Francis Street Bridge and was completed September 1965, the final cost was \$25,020.00.

A Contract was entered into with Charles A. Maguire and Associates on May 24, 1965, for resident inspection service for the Crawford Street Bridge Rehabilitation Project not to exceed \$30,000.00. The value of the work done to date equals \$1,837.81.

A Contract was entered into with the Builders Iron Works, Somerville, Massachusetts, on August 5, 1965, for \$791,308.00 for the rehabilitation of the Crawford Street Bridge, as of September 30, 1965, the estimated total equalled \$174,042.27.



A Contract was entered into with Leach Refractories Co., Inc. East Providence, R. I. for repairs and replacement of Hopper Grates, Residue Chute and Ash Conveyors for Garbage Incinerator Unit No. 1 on August 16, 1965, for the bid price of \$36,115.00. The value of work done to date equals \$4,273.90.

A Contract was entered into with Leach Refractories Co., Inc., East Providence, R. I. for partial renewal of refractory linings of Garbage Incinerator Unit No. 1 on October 25, 1965, for the bid price of \$14,249.00.

A Contract was entered into with V. J. Paolino Const. Co., Inc., Smithfield, R. I. on April 5, 1965, for the stabilization of the face of the ledge rock on the westerly side of Hillcrest and Ridgeway Avenues for \$17,200.00; work completed June 4, 1965.

The M. A. Gammino Construction Co. was awarded the contract for construction of the "Fox Point Hurricane Barrier" full co-operation was given by this department in preparation of the plans, any plans submitted were checked over, periodic conferences and inspections are made. The contract was dated May 23, 1961, for \$8,202,612.00 as of September 30, 1965; the estimated total equalled \$7,741,459.66.

The following Engineers are engaged on this project:

United States Army Engineers, Boston, Mass., including the real estate division.

Engineers, Fenton G. Keyes, Associates, Providence, R. I.  
Engineers, Charles A. Maguire & Associates, Providence, R. I.  
Geologist & Engineer, Frank E. Fahlquist, Providence, R. I.

Many conferences were held in connection with the providence Freeways, with the Public Works Department of the State of Rhode Island in regard to the disposal of storm waters from the various highways and all sewer sizes and connections to the City sewers were approved. Some of this work is now in construction.

The various projects are named as follows with the Engineers engaged in the preparation of the Plans and Specifications:

"Classical-Central"	Castellucci, Galli & Planka Associates Providence, R. I.
"Interstate Route 95"	Charles A. Maguire & Associates Providence, R. I.
"Route 6 Expressway"	Edwards and Kelsey, Providence, R. I.
"Weybosset Hill"	C. W. Riva Co., Providence, R. I.
"East Side Randall Sq."	Charles A. Maguire & Associates Providence, R. I.
"Seekonk River Crossing"	Charles A. Maguire & Associates Providence, R. I.
"Washington Bridge"	Frank L. Ehasz Associates, Prov., R.I.
"Lippitt Hill"	C. W. Riva Co., Providence, R. I.
"Interstate Route 195"	Castellucci, Galli & Planka Associates Providence, R. I.

All plans made in connection with the sewer basins and inlets required for drainage of new or rebuilt streets were made in this office.

This Division has made studies, prepared preliminary plans, conferred with other City Departments, and consulted with the State Department of Public Works, the Federal Public Roads Administration, and the contract engineers and architects, preparing plans and specifications for all Public Works Projects in the City.

Plans submitted by Architects, Private Engineers, the various utilities and contractors were checked over, revised and approved for sidewalk slabs, vaults, bridge crossings and duct installations under or over streets and sidewalks.

Cost accounts, budgets, inventories, sick leaves, vacations, employee data entrances, and terminations were reported to the Finance Department. Payrolls and Requisitions were made up and delivery slips forwarded.

Respectfully submitted,

Robert B. Strong  
Deputy Director of Public Works

## CONSTRUCTION & MAINTENANCE DIVISION

Mr. Lawrence P. McGarry  
Director of Public Works  
700 Allens Avenue  
Providence, Rhode Island

Dear Sir:

The expenditures of the administration section were as follows:

Item 0 Personal Services	\$8,047.52
Item 1 Services other than Personal	624.00
Item 2 Materials & Supplies	17.78
	<u>\$8,689.30</u>

### HIGHWAY SECTION

The main duty of this section is the Maintenance of approximately 340 miles of paved streets, including the repairing, patching, seal-coating, surfacing, resurfacing or reconstruction of highways and the setting, resetting or replacing of granite curbing. This section also constructs new highways when ordered and performs miscellaneous jobs for other sections of the Department of Public Works as well as for other city departments.

### EXPENDITURES

Item 0 Personal Services	\$679,022.94
Item 1 Services other than Personal	153,353.50
Item 2 Materials & Supplies	78,045.65
Item 7 Other Structures & Improvements	-----
TOTAL	<u>\$910,422.09</u>
Revenue	38,863.70

### DRIVEWAYS & CURBING

Driveways altered (Narrowed)	3	2 <sup>1</sup> Circular Corner Set	496
Driveways Constructed	308	S.B. Corners Set	79
Driveways Widened	53	Curbs Set & Reset	1846
Driveways Closed	44	Driveways Relocated	23

RECEIVED STREETS REPAIRED AND SURFACED OR RESURFACED 1964-1965

Lakeside St.	Everson St. to Shaw	265.75
Sherman St.	Langdon St to Greeley	40.60
Rhodes St.	Eddy to Freeway	237.70
West Park	Bath to Pleasant Valley Pkwy.	238.00
Eliza St.	Killingly to end	277.00
Culver St.	Dudley To Willard Ave	147.90
Addeo St.	60' Westerly & 60' Northerly	61.10
Elm St.	Eddy to Imperial Pl.	274.15
Everson St.	Langdon to Lakeside St.	73.85
Star St.	No. Main St. to Benefit St.	45.30
South St.	Eddy to Plain St.	419.90
Europe St.	DePasquale to America St.	85.95
Handy St.	Amherst to Amsterdam St.	142.45
Stewart St.	Lyman to Westminster St.	27.05
Richter St.	Smith to Chalkstone Ave	176.50
Davis St.	Smith To Northerly Term.	469.15
Duke St.	Smith to Orms St.	119.40
Lyman St.	Dean 30' East of Stewart St.	36.70
Sims Ave	Harris Ave to Kingsley Ave	442.45
Croom St.	From 164 Croom to 150'S. of Grove	224.65
Piedmont St.	Atwells Ave to Gesler St.	67.65
Africa St.	DePasquale to America St.	101.50
Sonoma Ct.	Delaine to Northerly Term.	124.10
Bough St.	Westminster St. to Dike St.	163.00
Stokes St.	Westminster St. to Dike St.	124.00
Sumter St.	From Emerson to 200' Northerly	190.00
Plain St.	Public St. to Potters Ave	168.00
Tuxedo Ave	Amherst to Atwells Ave	227.50
Cutler St.	Atwells to Barstow St.	90.00
Marengo St.	Parsonage to Eddy St.	198.00
Biltmore Ave	Chalkstone To View St.	269.50
Jefferson St.	Smith to Orms St.	140.00
Lancaster St.	No. Main to Ivy St.	463.00
Cromwell St.	Elmwood to Dexter St.	250.00
Fairoaks Ave	Quincy to Elmhurst, Roslyn to Hilltop Ave	239.00
Clemence St.	Westminster to Washington St.	86.00
Middle St.	Union to Eddy St.	12.00
Potters Ave	Eddy to Broad St.	637.00
Fallon Ave	Chalkstone to Pleasant Valley Pk.	346.00
Hilltop Ave	Smith to Eaton St.	516.00
Eaton St.	River Ave to Jastram St.	302.00
Crimea St.	Chalkstone Ave to Douglas Ave	66.00
Whitford Ave	River to Sharon St.	259.00
Hyacinth St.	Branch Ave to Dead End	64.00
Adelaide Ave	Crescent Ave to Dead End	778.00
Barstow St.	Valley to Dead End	443.00
Jillson St.	Eddy to Broad St.	201.50
Calla St.	Broad St. to Eddy	116.30
Fisk St.	Broad St. to Verndale Ave	458.00

Broom St.	Eddy to Rugby St.	142.00
Morton St.	Eddy to Broad St.	102.00
Plenty St.	Broad St. to Elmwood Ave	396.00
Reynolds Ave	Burnside to Broad St	478.00
Pavillion Ave	Eddy to Blundell St	158.50
Oldham St.	Plain to Beacon Ave	188.00

#### RECEIVED STREETS REPAIRED AND SURFACED OR RESURFACED 1964-1965

Daboll St.	Elmwood to Dexter	394.50
Frank St.	Plain to Providence St.	278.00
Young Ave	Chalkstone Ave to Smith St.	85.00
Emmett St.	Plain to Beacon St.	142.50
Ruggles St.	Chalkstone to Smith St.	202.00
Salisbury St.	Plain to Ocean St.	179.00
Mawney St.	Elmwood to Updike St.	268.50
Lakeside Dr.	Everson to Shaw	265.75
Locust St.	Mt. Hope Ave to Dead End	82.80
West St.	Dean to Belknap St.	86.40
Common St.	Smith to Jefferson St.	227.00
Candace St.	From Smith-Orms-Douglas Ave	105.40
Hugo St.	Branch Ave to Winchester St.	153.00

#### RECEIVED STREETS STARTED 1963-64 COMPLETED 1964-1965

Somerset St.	Pine to Broad St.	249.15
Public St.	Eddy St. 150' Westerly of Allens	419.55
Hawthorne St.	Elmwood to Vineyard St.	40.80
Warrington St.	Elmwood to Broad St.	522.90
Saratoga St.	Broad to Baxter St.	232.25
Sayles St.	Prairie to Gordon Ave	211.45
Dudley St.	Plain St. to Friendship St.	1210.60
Payton St.	Broad St. to Roger Wms. Park	351.70
Johnson St.	Rugby St. to Eddy St.	149.55
Croyland Rd.	Potters Ave to Oxford St.	312.65

#### RECEIVED STREETS STARTED 1964-65 INCOMPLETE AS OF 9/30/65

Whitehall St.	Union to Hillwood St.	00.00
Hillwood St.	City Line to Whitehall St.	00.00
Farm St.	Academy to Webb St.	45.00
Glover St.	Mt. Pleasant to Home Ave	37.00
Eastwood Ave	Heath to Merino St.	27.00
Chace St.	No. Main St. to Greation Dr.	25.00
Knowles St.	Abbott to Pleasant St.	10.00
Pleasant St.	No. Main St. to Camp St.	12.00
Rowan St.	Glover St. to Chalkstone Ave	8.00

# UNRECIEVED STREETS STARTED 1963-64 COMPLETED 1964-65

Briggs St.	To Dead End	175.20
Indiana Ave	Allens Ave Easterly to Dead End	49.15
Drew St.	Sherwood to Vanderwater St.	62.55
Grand Broadway	Sherwood to Vanderwater St.	256.20
Hagan St.	Langdon to Robin Brook	344.70

# UNRECEIVED STREETS STARTED 1964-65 COMPLETED 1964-65

Alamo Lane	No. Main to Canal	26.46
Schaffer St.	Smith to Jewett St.	76.00
Lincoln St.	450' Easterly from Blackstone Blvd. to Dead End	102.00
Bosworth St.	Curtis to Allepo to Curtis	200.00
McIntyre Ct.	Jefferson to Dead End	36.00
Revere Pl.	Orms to Dead End	74.00
Hyacinth St.	Winchester to Branch Ave	20.00
Dunbar St.	Rowley 80' Easterly	7.60
Crary St.	Allens Ave to Dead End	91.00
Blaff St.	Aurora To Prescott	122.00
Prescott St.	Harold to Dead End	145.00
Whitehall St.	Union Ave to Hillwood St.	166.00
Winchester St.	Abrams to Branch Ave	288.00
Abrams St.	Branch Ave to Winchester St.	367.00
Public St.	Allens Ave to Dead End	42.00
Reeder St.	Eddy St. to Dead End	72.00
Pike St.	So. Main St. to So Water	144.00
Observatory Rd.	75' W.of Morris Ave	37.20

## PATCHING AND REPAIRING SUNDRY STREETS

Patching materials used for temporary repairs were purchased from private vendors. Approximately 340 miles of highway were maintained during the fiscal year. Materials used on general patching and repairing are as follows:

Ready Mixed Concrete.....	54.50 Cu. Yds	Crushed Stone .....
A.C. Mix.....	2065.83 Tons	Kerosene.....
Crushed Gravel.....	11.67 Tons	Gallons
		Sand.....
		303.26T

Materials used for surfacing and resurfacing are as follows:

A.C. Mix.....	20,927.02 Tons
Cement.....	94 Bags
Crushed Gravel.....	164.49 Tons
Kerosene.....	9,158 Gals.
Sand.....	396.42 Tons

Materials used for repair of sidewalks caused by growing tree roots and by the removal of trees having Dutch Elm Disease are as follows:

Cement.....	1,906 Bags
Gravel.....	922.54 Tons
Sand.....	762.27 Tons
A.C. Mix.....	260.00 Tons
Ready Mix.....	133.50 Cu. Yds.

#### MISCELLANEOUS WORK

During the past year the Highway Section performed services for the Engineering Division, Bridge Maintenance, Draw Bridges, Harbor Master, Sidewalk and Curbing, Forestry, Public Building, Sewer Maintenance, Sewage Disposal, Garbage Incinerator, Municipal Wharf, City Sergeant and the Park, Recreation, Health, Welfare, Police and Fire Department, Chapin Hospital, Rhode Island Hospital, Municipal Garage and Traffic Engineering. And, a list of the work performed is as follows:

Graded Dumps at Fields Point, Gano Street, Mount Pleasant Avenue, Smith Street, Manton Avenue and Hartford Avenue.

Erected and removed bandstands for Columbus Day, Armistice Day and Labor Day Celebrations, also for various Veterans and Civic organizations for dedications and memorials.

Assisted in the decorations for the City of Providence for Christmas and Fourth of July celebrations.

Set up and removed equipment at the various voting places in the City of Providence for the Board of Canvassers.

Removed rubbish from City Hall.

Worked on the removal of large sand hill on leased land by the Sun Oil Company at Fields Point.

Moved and put in storage the personal belongings and furniture of many families evicted by the courts and being helped by the Welfare Department.

### Cleaned River Bank along Promenade Street.

Performed permanent Maintenance on the following Streets:

Walcott St.	Promenade St.
Stewart and Lyman St.	Hopkins St.
Smith St. Bridge	Hope St.
Broadway	Elmwood Ave
Vermont Ave	Fulton St.
Hope and Manning St.	Eddy St.
Eddy And Westminster St.	Mathewson St.
Union and Weybosset St.	Gallup St.
Hugo St.	Addison St.
Roanoke St.	

### LAWNS AND GRASS PLANTS MAINTAINED

Oakland Avenue	Eighth St. & Lorimer Ave
Kingley Ave	Slater Ave and Goldsmith St.
North Main St.	Sewer Disposal Grounds
Franklin Square	Eddy St. and Ship St.
Elmgrove Avenue	Market Square
Chad Brown St.	Cemetary Street
Atwells Avenue	Pitman Street
Highway Bldg. Grounds	Public Works Admin. Bldg. Grounds

### BRIDGE MAINTENANCE SECTION

This section is responsible for the repair and maintenance of all city-owned bridges. The expenditures of the section were as follows:

Item 0 Personal Services	\$40,417.09
Item 1 Services other than Personal	6,014.32
Item 2 Materials and Supplies	7,304.01
TOTAL	\$53,735.42
Revenue	\$48.95

There are 57 city-owned bridges, of the following 28 required work this year.

Point Street Bridge	Pettis St. Bridge
Red Bridge	Branch Ave Mossasock River
Crawford St. Bridge	Cemetary St. Bridge
Park St. Bridge	Charles St. R.R. Bridge
Leland St. Foot Bridge	Hawkins St. Bridge



Eagle St. Bridge  
Valley St. Bridge  
Delaine St. Bridge  
Merino Park Foot Bridge  
South Water St. Bridge  
Industrial Rd. Bridge  
West River St. Bridge  
Smith St. Bridge  
Manton Ave Bridge

Veazie St. Bridge  
Adeliade Ave Foot Bridge over R.R.  
Roger Wms. Ave. R.R. Bridge  
Francis St. Bridge  
Weybosset Bridge  
General Edwards Viaduct  
Promenade St. Bridge  
Glenbridge Ave Bridge

The Following work was done:

Erect barricade fences at the following locations:

Netop Dr.  
Yorkshire St.  
Stanford Ave  
West Exchange St.  
Humes St.

Thurston St.  
Lake View St.  
Acorn St.  
Freedom Rd.

Repaired barricade fences at the following locations:

Greely St.  
Riverdale St.  
Windmill St.  
Lakeview Dr.  
Acorn St.

Humes St.  
New York Ave  
Stamford Ave  
West Exchange St.

Repaired riser at Thurbers and Prairie Aves.

Set in bumper for garbage pit and incinerator.

Replace sidewalk at Point St. Bridge.

Replace sidewalk at Red Bridge.

Rebuilt fence at Merino Foot Bridge.

Remove and rebuilt ramp Sun Oil Co.

Repair railroad switch and tracks at West River Industrial Park.

Repaired Guard rails Promenade at Gaspee St.

Hanging Windows screens - Public Works Administration Building.

Repaired chain link gates Highway yard.

Removed chain link fence Lester St.

Repaired overhead doors Municipal Dock storage shed.

## SIDEWALK AND CURBING SECTION

This section is responsible for the condition of all sidewalks in the City. It serves notices on property owners for the repair, construction or reconstruction of sidewalk; inspects all sidewalk work; makes temporary minor repairs to sidewalks; and is responsible for the posting and maintenance of street signs and memorial square signs.

### THE OPERATIONS OF THIS SECTION WERE AS FOLLOWS

Sidewalk constructor's licenses issued	55
Notices served to build or repair	172
Built or repaired	77
Permits issued to build or repair	478
Sewer openings inspected	181
Construction of curb openings for driveways inspected	309
New memorial square approved by council	1
Sidewalks inspected damage due to tree roots	206
Sidewalks inspected after installation of new water service	238
Streets abandoned by Council and signs erected	35
Washout depressions inspected and repaired	331
Sidewalk claims investigated	37
Street signs repainted & relettered	263
Street names changed by Council and new signs erected	4
Pole openings inspected	84
Total Lin. Ft. of brick sidewalks built	20
Total Lin. Ft. of Bituminous Sidewalks built	30,965
Total Lin. Ft. of cement sidewalks built	28,854

This section replaced 1725 defective street signs with new black and white metal signs.

We also replaced 144 memorial square signs. Other signs are being relettered and will be erected as soon as completed.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS

Item 0 Personal Services	\$21,514.37
Item 1 Services other than Personal	2,987.18
Item 2 Materials and Supplies	<u>2,649.17</u>
TOTAL	\$27,150.72
Revenue	550.00

FORESTRY SECTION

This section is responsible for the planting, care, maintenance and removal of trees and shrubbery within the limits of the highways.

EXPENDITURES

Item 0 Personal Services	\$87,858.80
Item 1 Services other than personal	20,400.00
Item 2 Materials and Supplies	<u>3,600.00</u>
TOTAL	\$111,858.80
Revenue	\$2,466.27

Approximately one (1) percent of the trees located on our City streets are diseased or in poor condition. The diseased trees are removed and replaced by healthy young trees purchased from private companies. This program of demolition and replacement, the so called "Dutch Elm Program", is closely coordinated with the overall program for the control of this disease being pursued by the State of Rhode Island Department of Agriculture and Conservation.

Two hundred and fifty-one (251) diseased elm trees were condemned and removed in 1965. Eighty-five (85) of these trees were located on City property and one hundred and sixty-six (166) were located on private property. The Forestry Section removed all diseased elm brush and logs to the City dump for burning. The entire two hundred and fifty-one (251) diseased elm trees were taken down under private contract.

The following is a recapitulation of the diseased elm trees removed:

Forestry Section removed all diseased elm brush and logs.	
E.W. Cerio Tree Service (Elms on City Property).....	85
E.W. Cerio Tree Service (Elms on Private Property)...	166
	<u>TOTAL.....251</u>

The city nursery is located at 1 Netop Drive, Roger Williams Park, Providence, it is used primarily for healing in young bare root trees. The trees purchased from private nurseries are healed in the Forestry nursery until transplanting takes place on the City streets. The young trees that are purchased are being used to replace the diseased trees which were removed, and also, to increase the shade trees on our City streets. All trees planted by a citizens personal request must be accompanied by a tree request application. This tree request application procedure became effective on January 1st., 1965, and only by this means can property owner obtain a tree to be planted on the City sidewalks.

At present there are one hundred and four (104) trees healed in the nursery area ready for an early 1966 Spring planting. Most of these trees will be used for replacements, due to vandalism and tree deaths.

<u># of trees</u>	<u>Types of trees</u>
6	Dr. Pirone Ash
5	Mountain Ash
5	Maples (Tilford)
22	Linden (Rancho)
2	Locust (Honey)
7	Horsechestnut (Ruby Red)
5	Cherry (Flora)
51	European Hornbeam
1	Ginkgo

104.....TOTAL TREES ON HAND

Early Spring 1965, the Neighborhood Youth Corps Program assigned fifteen (15) young men to the Forestry Department. The young men worked approximately six (6) months with the Forestry Section, undertaking the job of planting trees, trimming trees, removing tree stumps, and doing all round tree maintenance work. The boys proved themselves capable of doing forestry type work making this program a complete success in the Forestry Department.

Number of trees trimmed	14,768
Number of trees removed	853
Number of trees sprayed	6,771
Number of trees planted	1,006
Number of trees staked with metal post	1,119

### SNOW REMOVAL

#### EXPENDITURES

Item 0 Personal Services	\$159,730.26
Item 1 Services other than Personal	90,954.90
Item 2 Materials and Supplies	153,697.97
TOTAL	\$404,383.13

Snow removal is primarily a function of the Highway Section. All the ice control (sanding, salting, Etc.) is accomplished by this section. The plowing is performed in the following manner.

Zone 1-2-3-8-10	By the Incinerator Trucks
Zone 4-5-6-9-13	By the Highway Dept. Trucks
Zone 7	By the Forestry Trucks
Zone 11-12	By the Sewer Trucks

Thirteen man routes of the City are plowed in tandem by hired trucks working under the supervision of Zone Supervisors. All hills and main highways are sprayed with salt.

For the Fiscal Year 1964-1965 the City had 16 snow storms, the first on December 5, 1964 and the last on March 29, 1965 with a total of 39 inches. During this period the following work was completed.

Sanding Streets	12,355 miles
Plowing Streets	15,309 miles
Removal of snow (Business area, churches, & Funeral Homes)	25,000 Cu. Yds.

The following materials were used during the year:

Sand	5,009
Salt	13,172

The following equipment was hired from private contractors:

Trucks(Flow)	27	Hours	1833.25
Trucks(Removal)	36	Hours	389.00
Loaders	2	Hours	29.5
Bulldozer	1	Hours	6.5
Graders	5	Hours	36.5

#### SEWER CONSTRUCTION & MAINTENANCE SECTION

This section is responsible for the inspection, maintenance, cleaning, repairing, construction and reconstruction of the sewers and sewer appurtenances, such as, manholes, catch basins, inlets, etc., of the sewer system.

#### EXPENDITURES

Item 0 Personal Services	\$263,066.52
Item 1 Services other than Personal	55,485.43
Item 2 Materials and Supplies	14,601.11
TOTAL	<u>\$333,153.06</u>
Revenue	\$280.73

#### MAINTENANCE WORK PERFORMED

Box chute covers replaced	9
Box chutes repaired and rebuilt	25
Catch basin covers replaced	12
Catch basin frames replaced	10
Catch basins repaired and rebuilt - altered	31
New catch basins built	2
Catch basins brought to grade	2
Catch basin frame and cover reset	10
Manhole covers replaced - new & used	30
Manhole frames replaced	30

Manhole frames & covers reset	6
Manholes rebuilt and repaired	5
Manhole covers packed	400
Inlet stones replaced	15
Inlet stones repaired	2
Inlet stones reset	2
Traps replaced (New & Used)	40
Gutter grates replaced, frame & cover	4
Gutter grate frame & covers reset	6
Sewer lines examined	498'
Gutter grates repaired	9
Gutter grates built	5
Gutter grates raised & grade	5
Roots removed from basin walls	12
Basins disinfected	236

Basins, gutter grates and sumps cleaned: Deposits removed, lines flushed, and complaints received:

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Catch basins cleaned	15,138.35 Cu. Yds.
84 Sumps cleaned	214.00 Cu. Yds.
1,020 Gutter grates cleaned	734.03 Cu. Yds.
32 Pot holes cleaned	27.60 Cu. Yds.
Open drains cleaned	1,400 Ft.
4,947 complaints received	All cleared
Sewer lines flushed	20,000 Ft.

Following is a resume of private drain inspections made in conjunction with private construction and alterations:

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Street openings for private drain connections, inspection and record sketches for private drain construction and alterations:

Original 210

Extensions 38

#### SEWER CONSTRUCTION AND MAINTENANCE SECTION Construction Work performed 1964 - 1965

Burrington and Dexter Sts.	Built one new manhole
Joslin St. Pool	Reset manhole frame and cover - Installed new box chute and 8" drain.
Manton Ave. Dump	Excavated trench, installed 250' of 30" storm line and backfilled.
Alton St. and Harlan Rd.	Excavated trench and replaced section of 8" sanitary line.
Ernest and Cass Sts.	Bulkhead manhole on West Side of Ernest St.

C & M 13

Spooner St.	Built two new catch basins and connected to Sewer line.
Alexander St. & Rutherglen Ave	Excavated to repair box chute - backfilled
Lake View Drive	Raised manholes and basins to grade in connection with the resurfacing of the road by private contractor.
Rushmore Ave	Raised manholes and basins to grade in connection with the resurfacing of the road by private contractor.
Huxley Ave	Removed gutter grate and Inlet stone.
Gentian and Wanskuck Aves.	Built new gutter grate & box chute.
Roanoke St.	Excavated trench 150' long installed 150' of 12" sewer line - built 3 new manholes and 3 new basins connected to sewer line and backfilled.
Whitford Brook	Set 2 lgths of 30" pipe to by-pass blocked drain.
Pedestrian Mall	In connection with the construction of the Pedestrian Mall the sewer Dept. raised manholes & basins to grade, blocked, existing inlets built new gutter grates, basins, and inlets.
Gallup St.	Excavated to free blocked connection; removed old pipe and replaced; backfilled.
Swift & Legg Sts.	Excavated and removed broken pipe; installed new sewer line; backfilled.
India St. Sump	Knocked down manhole and rebuilt new manhole - repaired sump gate.
Swan St.	Built two new basins and connected to sewer line.
Harold St.	Built new gutter grate and laid 12" sewer line connection.
Roger Williams Park	Raised six (6) manholes to grade at the Roger Williams Race Track.



Eagle St. and Valley St.	Installed new tide gate.
Potters Ave & Vineyard St	Excavated and removed 3 sections of 12" sewer line replaced with new pipe and backfilled.
Rhodes & Eddy Sts.	Raised manhole to grade.
25 Ruggles St.	Raised manholes to grade.
Manton Ave. Dump	Raised two manholes to grade.
Pleasant Valley Pkwy.	replaced pipe in broken storm line.
73 Smart St.	Reset manhole at driveway grade.
Paddleford St.	Built two new basins and installed 140' of 8" sewer line.
54 Funston St.	Excavate to remove brick from sanitary line backfilled.
Butler Hospital	Raised manhole to grade - Excavated trench 48' long laid 48' of 15" clay pipe.
Highway Garage	Excavated to remove broken 6" bend replaced pipe and backfilled.
Branch Ave opp. Touro St.	Excavated trench to remove broken sewer pipe replaced with 9' of 12" sewer line and backfilled.
Elm St.	Raised manhole to grade.
Eliza St. and Killingly St.	Raised manhole to grade.
Sonoma Court	Lowered one manhole to grade - raised one manhole to grade.
Valley St,	Drum at Valley and Tippecanoe Sts. cleaned and flushed once a month.
General St.	In answer to taxpayer's complaint, examination of loose covers were made; many of these covers were found to belong to other department and companies, such as: Water Works Gas Co., Telephone Co.
Fire Department Calls	Sewer Department, Eductor trucks were called upon many times during the year to pump out basins that were filled with water and debris

Police Department Calls

Eductor trucks were called upon to pump basins so that various objects could be removed, such as keys, watches, dead and live animals, etc.

Slots - Gates - Sumps  
cleaned and inspected

The sewer department provides a crew of men who make the rounds of all slots, gates and sumps in the City Sewer system. This crew clean and inspects and performs general maintenance work so as to prevent any major or serious blockage of these facilities.

Traps and Chutes  
cleaned and flushed.

General records are not kept of the number of traps and chutes cleaned throughout the year, but the number of such examination and cleaning would run into thousands.

STREET LIGHTING SECTION

STREET LIGHTING COSTS

The total expenditures for the fiscal year ending September 30, 1965, for street, bridge, subway, and park lighting bills, contracted in the months stated, less all credits for outage, have been as follow-

1964-1965 Appropriation.....\$497,153.00

EXPENDITURES

Item 0 Personal Services	5646.32
Item 1 Services other than Personal	505,059.53
TOTAL	\$510,705.85

INCANDESCENTS AND MERCURY'S

<u>1964</u>	<u>Total Bill</u>	<u>Less Outage</u>	<u>Net Cost</u>
October	41,471.94	149.57	41,322.37
November	42,002.19	190.94	41,811.25
December	42,018.19	155.95	41,862.24
<u>1965</u>			
January	41,987.84	128.77	41,859.07

February	42,247.12	129.76	42,117.36
March	42,269.93	95.39	42,174.54
April	42,304.54	79.98	42,224.56
May	42,346.60	57.56	42,289.04
June	42,324.23	53.00	42,271.23
July	42,353.41	39.20	42,314.21
August	42,022.06	65.45	41,956.61
September	<u>42,208.38</u>	<u>79.33</u>	<u>42,129.05</u>
	\$505,556.43	\$1224.90	\$504,331.53

The original budget appropriation cut, at the beginning of the fiscal year resulted in a council action transfer of budget funds for \$9000.00. This was required to pay the month of September bill.

# SCHEDULES OF STREET LIGHTING DATA

	<u>O.H. A.N.</u>		<u>1000 cp.</u>	
	<u>600 cp.</u>	<u>U.G. A.N.</u>	<u>U.G. H.N.</u>	<u>O.H. A.N.</u>
October 1, 1964	29	112	3	7
September 30, 1965	29	59	3	4
Changes	0	53	0	3
		Merc. 2 Lt.	15000C & 21000In	Sodium Light
	Merc. 7000In.	A.N. U.G.	Merc. Vap. O.H.	Merc. U.G. U.G. A.N.
October 1, 1964	245	5	2309	1600
September 30, 1965	297	5	2116	1584
Changes	52	0	193	16
		100 cp. U.G.	Merc. Vap. O.H.	250 CP
	A.N. U.G. H.N.	A.N. H.N.	24 Hr. U.G.	O.H. U.G. H.N.
October 1, 1964	135	227	7765-B	9
September 30, 1965	135	222	7734	9
Changes	0	5	31	0

September 30, 1964 September 30, 1965 Changes

Total number equivalent single incandescent lights 8821 8725 96  
 Total number mercury lights 21,000 & 7,000 In. 3958 4046 88  
 Total number equivalent single sodium lights 10000 In. 21 21 0  
 From May 1 to October 14, inclusive, the H.N. lights burn one extra hour until 1 A.M.  
 The United Transit Company is charged for  $\frac{1}{2}$  the cost of the 15,000c lumen U.G. mercury which is located at the Thayer Street entrance to the tunnel.  
 B- includes 8 lights on Montgomery Avenue for which Chanston pays \$7.00 per light per annum  
 These Charges shown for the United Transit Company and the City of Cranston are billed by the City Controllers Office

Under the provisions of terms and conditions for street light- this being the so-called "Fuel Clause," the cost of the street lights for the year beginning October 1, 1964 depended upon the cost of fuel for the year ending July 31, 1965. This cost averaged \$9.85 per stand- ard net ton. This is \$.90 below the base price of \$10.75. All base prices shown in the rate schedule will therefore be decreased by an amount obtained by multiplying the decrease per ten cent variation by .9. A tabulation showing the unit prices for the year beginning Oct- ober 1, 1965, is as follows:

	Annual Decrease Per 10¢ in cost of Fuel below \$10.75	No. of 10¢ below \$10.75 base fuel Price	Decrease to Base Price	Annual Base Price	Net Price
<u>INCANDESCENT 100cp.</u>					
U.G. All Night	.021	9	.19	29.12	28.93
U.G. Single, $\frac{1}{2}$ Night	.009	"	.08	25.11	25.03
Aerial Single, A.N.	.021	"	.19	16.09	15.90
Aerial Single, $\frac{1}{2}$ Night	.009	"	.08	10.40	10.32
<u>MISCELLANEOUS</u>					
250 C.P. U.G. A.N.	.043	"	.39	52.19	51.80
250 C.P. Aerial, A.N.	.043	"	.39	32.19	31.80
1000 C.P. Aerial, A.N.	.132	"	1.19	72.51	71.32
1000 C.P. U.G. A.N.	.132	"	1.19	92.51	91.32
1000 C.P. U.G. $\frac{1}{2}$ Night	.072	"	.65	72.39	71.74
250 C.P. U.G. $\frac{1}{2}$ Night	.024	"	.22	43.74	43.52
10,000 Lu. Sodium, U.G.	.049	"	.44	87.22	86.78
10,000 Lu. Sodium, O.H.	.049	"	.44	67.22	66.78
600 C.P. Incandescent, OH	.088	"	.79	53.57	52.78
600 C.P. Incandescent, UG	.088	"	.79	73.57	72.78
21,000 Lu. O.H.	---	-	--	94.00	94.00
21,000 Lu. U.G.	---	-	--	114.00	114.00
7,000 Lu. O.H. Mercury	---	-	--	55.00	55.00
7,000 Lu. U.G. Mercury	---	-	--	75.00	75.00
21,000 Lu. U.G. 2 Lt.	---	-	--	208.00	208.00
15,000-C Lu. O.H				77.00	77.00
15,000-C Lu. U.G.				97.00	97.00
15,000-C Lu. U.G. 2Lt.				174.00	174.00
15,000-C Lu. Underpasses 24 hr				123.00	123.00

Notes:

15,000c Mercury Vapor means a 21,000 Lumen Mercury Vapor lamp installed in an existing 15,000 Lumen Mercury Vapor Luminaire.

The rates which are affected by fuel costs are:

General Service Rate D, Power Rate F., Power Rate G.

NARRAGANSETT ELECTRIC COMPANY FUEL COSTS

The amount determined under the preceeding provisions shall be increased or decreased by .000005 per kilowatt hour for each \$.01 increase or decrease in cost of fuel, as defined in the Company's terms and conditions, above or below \$10.75 per net ton. The cost of fuel for any month shall affect the price of electricity billed in the second month following such month.

The cost of fuel by month was as follows:

1964	September.....	\$9.842
	October.....	9.762
	November.....	9.761
	December.....	9.791
1965	January.....	9.980
	February.....	9.917
	March.....	9.804
	April.....	9.853
	May.....	9.920
	June.....	9.958
	July.....	9.908
	August.....	10.109

The above figures show that the average price per ton for the year was \$9.85 per ton.

\* Standard net ton

The number of lamps and globes reported as broken on street lights during the years 1963-1964-1965, is as follows:

<u>INCANDESCENT</u>	<u>LIGHTS BROKEN</u>	<u>MERC. GLOBES</u>
1963-1964	5434	142
1964-1965	5115	132

## MALL PARKING DECK LIGHTS

### 1 FRANCIS STREET

The Mall Parking Deck lights are charges to the General Street Lighting account. However, they will not show on the schedule because they are on a separately metered circuit and do not come under the contract price per light unit. They are metered on a "G" Rate, and so much per K.W..

<u>No. Of Lights</u>	<u>Type of Light</u>	<u>Hours of Burning</u>
12 U.G.	21,000 Lumen M.V.	24 Hours
14 U.G. A.N.	21,000 Lumen M.V.	Predetermined Ft.candle level
18 U.G. A.N.	2,500 Lumen Inc.	Predetermined Ft.candle level

The 10 U.G. A.N. 21,000 Lumen M.V. lights on the top deck are separately metered and charged to the Meyers Brothers Parking System.

### MONTHLY CHARGES

<u>MONTH</u>	<u>K.W. USED</u>	<u>BILL</u>
October, 1964	3100 K.W.	77.55
November, 1964	3420 " "	80.76
December, 1964	3180 " "	74.28
January, 1965	3620 " "	78.64
February, 1965	3160 " "	73.48
March, 1965	2800 " "	63.27
April, 1965	2580 " "	61.26
May, 1965	2640 " "	61.80
June, 1965	2300 " "	58.18
July, 1965	2260 " "	57.83
August, 1965	2340 " "	58.72
September, 1965	2220 " "	52.83
		<u>798.60</u>

### Sign Inspection

Signs inspected for overhead wire clearance	315
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These signs are inspected for wire clearance as noted in the National Safety Code Standard.

NUMBER AND KIND OF STREET LIGHTING UNITS IN SERVICE IN PROVIDENCE

INCANDESCENTS

SINCE 1935

SODIUM

MERCURY

MERCURY

\*15000 Lu. C Means A 21000 Lu. Mercury Vapor Lamp Installed-In an Existing 15000 Lu. Mercury

Designed Lucinaire

Year	2 1/2 hr. Burning	5.5A 100 cp.	250 cp.	1000 cp.	600 cp.	1000 cp.	15000cd Lu. O.H.	15000cd Lu. U.G.	7000cd Lu.	21000cd Lu.
1935		8727	8	130						
1936		8691	8	214						
1937		8703	8	214						
1938		8724	8	320						
1939		8735	8	328						
1940		8746	8	331	29	25				
1941		8727	8	508	29	25				
1942		8731	8	598	29	25				
1943		8731	8	540	29	25				
1944		8741	8	540	29	25				
1945		8756	8	540	29	25				
1946		8513	8	554	29	26	19			
1947		8709	8	568	29	26	179			
1948		8687	8	568	29	26	256			
1949		8624	115	586	29	25	1049			
1950		8701	116	550	29	25	1556			
1951		8721	162	560	29	25	1855			
1952		8668	226	565	29	25	2360			
1953		8671	251	504	29	25	2802			
1954	44	8308	314	506	29	25	3293			
1955	44	8277	414	449	29	25	3428			
1956	44	8228	447	435	29	25	3476			
1957	44	8248	489	391	29	25	3501			
1958	44	8192	484	349	29	25	3570			
1959	44	8236	512	348	29	22	3593			
1960	44	8244	519	345	29	22	3623			
1961	44	8212	547	331	29	21	3607			
1962	44	8122	536	309	29	21	3567			
1963	44	8139	541	187	29	21	2754			
1964	44	8136	534	122	29	21	1081			
1965	44	8100	530	66	29	21	2076			
								825		
								2311		
								1203		
									118	
									42	
									7	
									118	
									173	
									245	
									297	
										12
										231
										321
										426



Recapitulation

Grand Total	\$504,331.53
Total monthly average cost 1963-1964	41,648.95
Total monthly average cost 1964-1965	42,027.63
Increase from previous year of the Monthly average	378.68
Total savings in outages	1,224.90

<u>New Street Light Petitions Received</u>	<u>Granted</u>	<u>Hold</u>
89	4	85

Utility Pole Petitions Received and Field Checked 157

SUMMARY

There are now 3279, 15,000c lumen mercury vapor lights in service.

There are now two hundred and ninety seven (297) 7000 Lumen mercurys.

There are now 426 21,000 lumen mercury vapor lights in service.

The number of 2,500 lumen incandescent lights have been decreased by four (4), bringing the total number of this type of light now in use to 530.

There are sixty six (66) 10,000 lumen lights in service in the City that will be replaced with 21,000 lumen mercury vapor lights in the near future.

There are eight thousand one hundred (8100) 1000 lumen lights in service (familiar neighborhood type). There have been 5 lights of this type installed during the past fiscal year, on street light petitions.

PUBLIC BUILDINGS SECTION

Item 0 Personal Services	\$101,066.05
Item 1 Services other than Personal	4,580.96
Item 2 Materials and Supplies	466.53
Item 5 Capital Outlay	115.46
TOTAL	\$106,229.00

During the year we supervised the construction of:

Neutaconkanut Hill Park Swimming Pool  
New Greenhouse Group at Roger William Park  
Lippitt Hill Elementary School

This included supervision of supplementary details and inspection at the site.

This Division prepared plans and specifications and supervised the work to be done at the following schools:

Esek Hopkins Jr. High	Re-tubing No. 2 Boiler
Gilbert Stuart Jr. High	Plumbing Alterations - Boys'
John Howland Elementary	Chain Link Fence
Mt. Pleasant High	New Limestone and Masonry Work
Nathan Bishop Jr. High	New Concrete Sidewalks
Oliver H. Perry Jr. High	Boiler Ash Pit Doors and Frames
Summit Avenue Elementary	Retaining Wall, Grading

Under the School Modernization Program we prepared specifications and drawings and supervised work for:

Regent Ave. School	Boiler Burner Installation
Temple St. School	Plumbing Alterations - Boys' & Girls'
Temple St. School	Miscellaneous Structural Alterations
Temple St. School	Electrical Modernization

New Furniture for: Beacon Ave., Lexington Ave., Nelson St.,  
Ralph St., Smith St., and Windmill St.  
Schools

Work done by this Division for other departments:

for Bureau of Police and Fire

Revisions to heating system - Chad Brown Station  
Repairs to Emergency Generator - Police Headquarters

Wiring for Power and Light	- Fire Dept. Repair Shop
Installation of Tankless Water Heaters	- Allens Ave. Fire Station
	Broad St. " "
	Hartford Ave " "
	Messer St. " "

Miscellaneous structural alterations and Painting Plastering - Fire Dept. Repair Shop  
- Hartford Ave., Broad St.,  
Academy Ave., Messer St.,  
And Allens Ave. Fire Stations

New wire Fences - Rochambeau Ave. and Reservoir  
Ave. Fire Stations

Miscellaneous Roof repairs - Reservoir Ave. Fire Station  
" " " - Broad St., Admiral St., and  
Allens Ave. Fire Stations.

for Bath Houses and Comfort Stations:

Miscellaneous plumbing, electrical and structural repairs, painting where necessary at Franklin Park Bath House, Kennedy Plaza and Weybosset Street Comfort Stations.

for City Sergeant:

Supervision of miscellaneous heating, plumbing, electrical and roofing repairs at the City Hall and Fountain Street Annex. Extensive renovations and alterations to offices in the City Hall including installation of new wiring.

for Charles V. Chapin Hospital:

Supervision of drawing of plans and specifications for renewal of electrical service  
Demolition of Superintendent's House  
Roof repairs and exterior painting in various buildings  
Sidewalk repairs

For Park Department:

Supervision and Inspection on Repairs and renovations to:  
Bird House  
Elephant House

Christmas Display

For General Public Assistance:

Roof repairs and structural alterations and boiler repairs at Montague Street District Office

for Recreation Department:

Plumbing, heating, electrical and miscellaneous repairs at:

Benefit St. Recreation Center  
Dudley St. " "  
Joslin St. " "  
South Prov. Pool  
Federal Hill Pool

Installation of new fences at:

Paterson St. Playfield  
Smith St. "  
Elmwood Avenue "  
Wickenden St. "

Plumbing repairs at:

Junior Police Camp - Point Judith  
Danforth St. Recreation Field

Supervision of drawings of plans and specifications for:

Lippitt Hill Playground

for North Burial Ground:

Extensive alterations and repairs - Superintendent's House

Other work done by this division or under our supervision and inspection:

Alterations and repairs at the Wickenden St. Library Building,  
including installation of heating system.  
Central High Practice Field  
Veterans Administration Building - Hope St. - Repairs to drive-  
way

Plans and specifications for:

Regent Avenue School - Plumbing Alterations  
Nelson Street School - Addition and Alterations

Delivery and pick up of tables and other equipment used in  
elections; supervision of electricians hooking up voting machines  
and any emergency repairs.

Boarding up of old buildings which are City-owned

Plans and specifications and preliminary surveys and confer-  
ences for:

Roger Williams Park Swimming Pool

Preparation of estimates of costs as requested by various City  
departments.

Preparation of architects agreements when requested and pre-  
paration of payments to said architects.

Supervision of drawing of plans and specifications for the  
James L. Hanley Education Center, the architectural contract having  
been awarded to

Harkness and Geddes, Architects  
The Architects Collaborative, Inc.  
C & M 26

This supervision includes conferences with the architects and members of the Providence School Department and the State of Rhode Island Department of Education as well as preparing payments to the architect for services including payments for surveys of the site and borings which are done in connection with the project.

Work under construction and being done under the supervision of this division during the fiscal year ending September 30, 1965 or brought to completion during this time amounts to approximately Two Million Fifty-Two Thousand Four Hundred Dollars (\$2,052,400.00).

Plans and specifications are under way for construction work to be done in the near future amounting to approximately Eleven Million Eight Thousand Six Hundred and Fifty Dollars (\$11,008,650.00).

#### DRAW BRIDGE OPERATION SECTION

This section is responsible for the operation of the two draw bridges (Point Street Bridge and Red Bridge) owned and operated by the City of Providence. The men in this section also performed the housekeeping and preventative maintenance duties (greasing, oiling, shoveling snow, etc.) required to keep these bridges in operation. The repair and heavy maintenance work required on these bridges is performed by the Bridge Maintenance Section.

#### EXPENDITURES

Item 0 Personal Services	\$53,848.75
Item 1 Services other than Personal	656.95
Item 2 Materials and Supplies	374.72
TOTAL	\$54,880.42
Revenue	385.40

Point Street Bridge was placed on a limited opening basis on May 10, 1958. The operating personnel and the electric power meter were removed at that time. Requests to have the bridge opened for water traffic must be made 24 hours in advance so that an operating crew can be obtained and a power meter installed.

The following table shows the number and type of craft passing through Red Bridge by months of the fiscal year. It also shows the totals of vessels and openings and average time for openings for the fiscal year immediately preceding.

SUMMARY OF OPERATIONS FOR YEAR ENDING SEPTEMBER 30, 1965  
 SUMMARY OF OPERATIONS FOR YEAR ENDING SEPTEMBER 30, 1964

	<u>RED BRIDGE</u>											
	Steamers	Tow-Boats	Sailing Vessels		Barges	Miscellaneous	Total # of vessels 1964-1965	Total openings 1964-1965	Average time openings to close gates (min)	Total # of vessels 1963-1964	Total openings 1963-1964	Average time openings to close of gates (min) 1963-1964
October	7	16	0	0	14	37	27	5.45	66	42	5.45	
November	19	14	0	0	10	43	41	5.40	46	35	5.40	
December	22	25		15	4	66	52	5.29	81	58	5.29	
January	22	34		20		76	56	5.37	83	60	5.37	
February	8	30		17		55	39	5.45	38	26	5.45	
March	16	26		16		58	42	4.05	66	48	4.88	
April	6	20		13		39	28	5.05	65	47	5.02	
May	4	24		14	3	45	31	4.74	69	41	5.07	
June	10	10		8	6	34	32	4.42	57	45	5.54	
July	8	4		6	12	30	27	5.47	66	52	5.01	
August	14	26		18	4	62	45	4.67	66	51	5.06	
September	7	8	1	8	17	41	29	4.09	46	36	5.01	
	143	237	1	135	70	586	449		749	541		

The following table shows the total number of craft passing through the Drawbridges beginning the year 1907:

From 1907 to 1928, inclusive, years ending December 31.

Year 1929 includes 9 months only, and ends September 30.

From 1930 to date, years end September 30.

YEAR	POINT STREET BRIDGE	RED BRIDGE	YEAR	POINT STREET BRIDGE	RED BRIDGE
1907	25,949	2,632	1933-34	1,990	3,750
1908	21,767	4,852	1934-35	1,307	2,454
1909	17,218	6,914	1935-36	1,468	2,150
1910	17,125	2,927	1936-37	1,368	2,130
1911	20,078	3,293	1937-38	1,136	1,913
1912	21,519	3,021	1938-39	1,676	2,187
1913	15,311	3,734	1939-40	1,299	3,431
1914	13,364	2,491	1940-41	1,066	2,420
1915	14,409	2,755	1941-42	1,205	1,722
1916	11,638	3,368	1942-43	1,263	1,087
1917	9,704	3,273	1943-44	1,487	2,262
1918	6,894	2,680	1944-45	1,233	1,319
1919	7,123	3,467	1945-46	1,078	1,828
1920	6,950	4,451	1946-47	936	1,640
1921	6,067	2,001	1947-48	1,010	1,541
1922	5,307	2,958	1948-49	666	2,130
1923	5,476	5,134	1949-50	638	1,609
1924	4,858	2,035	1950-51	371	1,973
1925	4,939	1,942	1951-52	125	1,628
1926	5,198	2,415	1952-53	202	1,752
1927	4,700	2,934	1953-54	51	2,787
1928	4,679	3,912	1954-55	883	1,313
1929	4,068	3,623	1955-56	141	1,536
1929-30	3,210	2,738	1956-57	16	1,189
1930-31	3,243	2,742	1957-58	9	1,076
1931-32	1,197	1,900	1958-59	6	1,021
1932-33	1,327	2,787	1959-60	0	758
			1960-61	212	586
			1961-62	104	614
			1962-63	2	689
			1963-64	0	749
			1964-65	0	449

BRIDGE	GREATEST NUMBER OF OPENINGS IN ANY ONE DAY		DAILY AVERAGE NUMBER OF OPENINGS FOR THE YEAR	
Red	1963-1964	1964-1965	1963-1964	1964-1965
	10	8	1.57	1.37
Point	0	0	----	-----

## SHOPS & STORES

The Public Works Shops & Stores services completely all sections of the Public Works Department.

All the automotive construction and maintenance equipment is furnished to the section requiring its use on a rental basis. These rental payments are shown as receipts in the Revolving Fund which, together with the money received for stock orders and job orders, comprise the money used for defraying the operating costs and the purchase cost for the rental equipment of these sections.

A detailed resume of the activities is as follows:

This section has no budget allowance. All expenses for labor and materials are paid for with the money received from the equipment rentals, and from stock and job orders, together with the initial capital appropriated.

This section is responsible for procuring, servicing, maintaining and repairing all equipment, materials and supplies required by the sections and divisions: of the Public Works Department.

All automotive and mobile or portable construction and maintenance equipment used, is obtained from this section and paid for on a rental basis.

A list of the available rental equipment is as follows:

32 Garwood Packer Trucks	4 Derrick Trucks
1 Dump Truck 10 cu. yds.	1 Hoist Truck 5000#
2 Compressors, Truck Mounted	2 Bulldozers TD 18
35 Dump Trucks, 4 cu. yds.	1 Sky Worker
4 Dump Trucks, 6 cu. yds.	1 Welder, Electric Portable
1 Bulldozer TD 9 3 cu. yds.	5 Road Graders
9 Pickup Trucks 3/4 Ton	2 Mist Sprayers
1 Stake Body Truck, 1 Ton	2 Concrete Mixers 3S
1 Express Body Truck 2 1/2 Ton	6 Snow Loaders
1 Express Body Truck 1 1/2 Ton	5 Lawn Mowers, Power
20 Passenger Cars	5 Tail Gate Spreaders
10 Air Compressors, Portable	108 Snow Plows
1 Trailer 25 T Flatbed w/tractor	4 Scout Cars
1 Station Wagon	4 Front End Loaders
2 Hoist Trucks 2500#	1 roller 10-14 ton tandem
1 Roller 8-12 ton Tandem	1 Fork Lift
1 Roller 10-12 Ton 3 wheel	1 Paver, asphalt
1 Walters Snow Fighter	3 Tool Heaters
1 Roller 3-5 Ton Tandem	6 Generators, Portable
1 Tar Kettle	6 Tool Wagons
4 Leaf Collectors	6 Spreaders, Mounted
2 Eductor Trucks	1 Utility Truck

This equipment is service and repaired in the repair shops by personnel of this section.



During the year the following new equipment was purchased by the section and incorporated in the rental pool.

1 Stump Rooter	1 Vacuum Cleaner
8 Automobiles	2 Cement Mixers
18 Plows	3 Spreaders, Body Mounted
4 Sweepers	5 Pickup Trucks
2 Leaf Collectors	1 Back Hoe

In addition to the rental equipment in the pool, this section, also services, repairs and maintains the following equipment for the sections shown:

1 Fork Lift	Automotive Repair Shop
1 Air Compressor	Paint Shop
1 Emergency Motor & Generator	Point Street Bridge
2 Buckets, Clamshell	Incinerator
4 Buckets, Orange Wheel	Sewer Maint. Section
1 Roller, 5 Ton Tandem	Recreation Dept.

The Public Works Stock room carries much of the materials, parts and supplies required by the sections of the division. An inventory of \$91,060.71 in materials and supplies and parts was on hand on September 30, 1965

Respectfully Submitted;

*Joseph J. Campo*

Joseph J. Campo P.E.  
Chief of Construction & Maint.

Mr. Lawrence P. McGarry  
Director of Public Works  
700 Allens Avenue  
Providence, Rhode Island

Dear Mr. McGarry:

Attached hereto is the annual report of the Sanitation Division of the Public Works Department for the fiscal year 1964-65.

This Division is divided into the following Sections:

Sanitation Administration

Street Cleaning

Sewage Pumping

Sewage Treatment

Refuse Collection and Disposal

Garbage Collection and Disposal

Respectfully yours,

Howard F. Carpenter  
Chief of Sanitation

SANITATION ADMINISTRATION

The office personnel handles all the necessary clerical work pertaining to the Refuse Collection and Disposal Section, the Sewage Pumping Station Section and a portion of the work associated with the Sewage Disposal Works Section and Garbage Collection and Disposal Section.

Condensed records from all Sections are maintained and filed in this office for reference.

The expenditures for this Section for the fiscal year were as follows:

ITEM 0	Personal Services	\$23,914.14
ITEM 1	Services Other Than Personal	872.80
ITEM 2	Materials and Supplies	<u>30.78</u>
	Total	\$24,817.72

SEWAGE PUMPING STATION

This Section is charged with the operation and maintenance of three Sewage Pumping Stations in the City. The Main Station is located on Ernest Street and handles approximately all of the Sewage flow. One of the smaller stations is situated on Reservoir Avenue near the City Line, and the other in Harbor-side Park, Fields Point.

Two hundred million gallons a day is the capacity of the main pumping station on Ernest Street. Electric power to operate this station is supplied from the Garbage Incinerator Plant. Provision has been made for stand-by power from the local power company. The two smaller stations operate automatically and the power to operate them is supplied by the local power company. All stations are in operation twenty-four hours per day.

Expenditures for this Section for the fiscal year were as follows:

ITEM 0	Personal Services	\$73,636.68
ITEM 1	Services Other Than Personal	1,996.46
ITEM 2	Materials and Supplies	<u>4,060.17</u>
	Total	79,693.31

SEWAGE PUMPING STATION

Following is a monthly tabulation of the electrical power from the Garbage Incinerator used at the Ernest Street Station:

<u>1964</u>	<u>K.W.H.</u>
October	38,600.0
November	36,300.0
December	45,700.0
<u>1965</u>	
January	54,200.0
February	39,700.0
March	42,300.0
April	36,000.0
May	29,400.0
June	25,500.0
July	25,700.0
August	25,100.0
September	29,900.0
Total	428,400.0

SEWAGE PUMPING STATION

Total monthly flow, in million gallons, for each station, is as follows:

	<u>ERNEST ST.</u>	<u>WASHINGTON PARK*</u>	<u>RESERVOIR AVE*</u>	<u>TOTAL</u>
<u>1964</u>	STATION No. 1	STATION No. 2	STATION No. 3	
October	1,102.0	35.0	35.0	1,172.0
November	993.0	35.0	35.0	1,063.0
December	1,344.0	35.0	35.0	1,414.0
<u>1965</u>				
January	1,138.0	35.0	35.0	1,138.0
February	1,177.0	35.0	35.0	1,247.0
March	1,213.0	35.0	35.0	1,283.0
April	1,160.0	35.0	35.0	1,230.0
May	1,221.0	35.0	35.0	1,291.0
June	1,227.0	35.0	35.0	1,297.0
July	1,169.0	35.0	35.0	1,239.0
August	1,194.0	35.0	35.0	1,264.0
September	1,188.0	35.0	35.0	1,258.0
Totals	14,126.0	420.0	420.0	14,966.0

\*Estimated Flow

SEWAGE DISPOSAL WORKS

S-4

-1-

This Section is responsible for the treatment and disposal of all the sewage from the City of Providence, Town of North Providence, Town of Johnston, and wastes from the Narragansett Brewing Co., Cranston, R. I. The disposal plant is located in the southeasterly Section of the City near the Municipal Dock at Fields Point.

The following tables show the statistics for the disposal plant for the fiscal year 1964-1965.

Estimated population served by the plant:

Providence	248,000
Johnston	2,200
North Providence	<u>12,000</u>

Total connected population	262,200
----------------------------	---------

SEWAGE FLOW

MILLION GALLONS

Providence	11,921.34
Johnston	326.55
North Providence	2,944.27
Cranston (Narragansett Brewing Co.)	<u>135.78</u>

Total Sewage Flow    15,327.94

SUMMARY OF OPERATIONS

Total flow of sewage	15,327.94	M.G.
Average daily flow	42.03	M.G.
Max. daily flow (February 8, 1965)	91.57	M.G.
Min. daily flow (August 29, 1965)	18.39	M.G.
Total air used for aeration	19,812.26	Mil.Cu.Ft.
Liquid Chlorine	712.19	Tons
Ferric Chloride	192.48	Tons
Lime as chemline slurry	2,158.39	Tons
Total Lime used	2,158.39	Tons
Grit removals	435.70	Tons
Sludge incinerated	27,732.20	Tons
Ash removed from incinerator	4,784.30	Tons
Fuel oil used for operating sludge incinerator (No. 2 Oil)	266,673.00	Gals.

Electric power used from the Garbage Incinerator.

<u>1964</u>	<u>K.W.H.</u>
October	153,700
November	201,200
December	162,600

<u>1965</u>	<u>K. W. H.</u>
January	139,000
February	118,100
March	148,600
April	218,400
May	181,600
June	151,600
July	153,500
August	83,600
September	<u>43,200</u>
Total	1,755,100 K.W.H.

The Expenditures for the year were as follows:

Item 0	Personal Services	293,412.49
Item 1	Services Other Than Personal	216,965.13
Item 2	Materials and Supplies	152,440.45
Item 5	Capital Outlay Equipment	<u>712.57</u>
Total		663,530.64

Supervision of the Sewage Disposal Works by the Engineering Firm of Metcalf and Eddy continued throughout the fiscal year 1964-1965.

Improvements to the Sewage Treatment facilities as recommended by the above firm of engineers and contracted to the Hart Engineering Company were completed early in 1965. The erection of the new 10-ton Nichols Herroshoff Incinerator, and required appurtenances as contracted to the firms of "Ayers, Hagan, Booth, Inc." and "Nichols Engineering Corporation" has been completed and as of September 30, 1965 is awaiting the performance test prior to acceptance by the City.

The overall general efficiency of treatment again showed marked improvement during the fiscal year 1964-1965. Satisfactory chlorine control of bacteria was maintained throughout the year. Seasonal removals of B.O.D. and suspended solids, especially during the second half of the fiscal year were excellent, and reflect good laboratory control of the treatment processes. The results achieved during the fiscal year 1964-1965 are outstanding as compared with previous years. Although there were evidences of sheaf forming organisms of the sphaerotilus or geotrichum species throughout most of the year, the infestation was not as concentrated as in previous years and no doubt this condition had much to do with the overall improved treatment.

During the year, mechanical breakdowns resulting from normal operational wear and tear, were repaired by plant personnel, and several electrical failures of equipment were corrected. Outstanding in the repair department was the modification of the two Eimco Filters, which was accomplished by plant personnel under the direction of Eimco Corp. Field Engineers.

GARBAGE COLLECTION AND DISPOSAL

The Garbage Collection and Disposal Section is charged with the collection and disposal of domestic refuse and the disposal of commercial refuse. The domestic refuse is collected by City trucks and transported to the Incinerator for disposal. All commercial refuse is transported to the Incinerator in private vehicles. Electric power is generated at the Garbage Incinerator by means of waste heat boilers and Turbo-Generators. The power generated is used at the Sewage Disposal Works, Sewage Pumping Station, Highway Department Building, Municipal Garage and the Garbage Incinerator.

A fleet of twenty trucks, with special load packing bodies, is used in making the collection of domestic garbage and combustible household rubbish. Two collections per week are made from all residences in the City.

Two Garbage Incinerators, each with a capacity of 160 Tons per day, are situated in the southeastern section of the City in the Municipal Dock Area. Only one unit is used at a time, the other is a standby. Each unit has two steam boilers and the steam produced is used to drive auxiliary machinery at the plant, to heat the Incinerating Plant, Sanitation Garage, and some buildings at the Sewage Disposal Works. There two Turbo-Generators, each with a rating of 1250 K.W. Both the Incinerator and the Power Plant are in operation twenty-four hours per day.

The expenditures of this section for the fiscal year were as follows:

Item 0	Personal Services	665,087.36
Item 1	Services Other Than Personal	120,361.38
Item 2	Materials and Supplies	19,295.98
Item 3	Special Items	
Item 5	Capital Outlay	204.00
Total		804,948.72

GARBAGE COLLECTION AND DISPOSAL

<u>TOTAL POWER GENERATED</u>	<u>K.W.H.</u>
Average Daily Distributed Load	9,353
Average Daily Distributed Load to Sewage Disposal Works	4,808
Average Daily Distributed Load to Sewage Pumping Station	1,173
Average Daily Distributed Load to Municipal Garage	362
Average Daily Distributed Load to Highway Garage	451
Average Daily Distributed Load to Garbage Incinerator	2,557
The monthly ash totals from the Incinerator during the year were as follows:	

<u>1964</u>	<u>Tons</u>
October	995.00
November	936.00
December	1,059.00
<u>1965</u>	
January	985.00
February	917.00
March	1,084.00
April	1,038.00
May	1,042.10
June	1,118.00
July	1,062.00
August	962.50
September	1,009.00
Total	12,207.60

#### GARBAGE COLLECTION AND DISPOSAL

The following is the K.W.H. furnished the Sewage Disposal Works, the Municipal Garage, the Sewage Pumping Station, the Highway Garage and Station Power.

<u>1964</u>	<u>SEWAGE DISPOSAL</u>	<u>SEWAGE PUMPING</u>	<u>MUNICIPAL GARAGE</u>	<u>HIGHWAY GARAGE</u>	<u>STATION POWER</u>	<u>TOTAL</u>
Oct.	153,700	38,600	10,400	7,610	79,690	290,000
Nov.	201,200	36,300	11,400	9,500	77,600	336,000
Dec.	162,600	45,700	14,980	14,440	81,280	319,000
<u>1965</u>						
Jan.	139,000	54,200	8,900	30,530	74,370	307,000
Feb.	118,100	39,700	13,800	18,040	70,360	260,000
March	148,600	42,300	8,200	18,180	83,720	301,000
April	218,400	36,000	7,100	16,770	79,730	358,000
May	181,600	29,400	6,800	9,570	82,630	310,000
June	151,600	25,500	12,200	8,430	71,270	269,000
July	153,500	25,700	14,200	8,070	75,530	277,000
August	83,600	25,100	8,200	10,980	85,120	213,000
Sept.	43,200	29,900	16,200	12,550	72,150	174,000
Total	1,755,100	428,400	132,380	164,670	933,450	3,414,000

#### GARBAGE COLLECTION AND DISPOSAL

The following is the total amount of Garbage and Refuse disposed of by this Department from October 1964 to September 1965:

<u>1964</u>	<u>GARBAGE (TONS)</u>	<u>RUBBISH (TONS)</u>
October	2,864.16	2,291.60
November	2,701.99	2,234.20
December	2,907.78	2,315.60



1965

January	2,817.31	2,234.22
February	2,417.00	2,152.30
March	2,671.68	2,419.98
April	2,788.22	2,278.60
May	2,963.89	2,369.21
June	2,985.44	2,354.50
July	2,946.68	2,322.93
August	2,354.31	2,170.60
September	<u>3,000.50</u>	<u>2,340.54</u>
Total	33,418.96	27,484.28

Daily average for collection based on 313 working days:

106.7 Tons

Daily average for disposal based on 365 working days:

166.8 Tons

#### GARBAGE COLLECTION AND DISPOSAL

A total of sixty-four tubes were either replaced or studs inserted in boilers 3 and 4. New wheels and shafts were installed on five charging doors. All charging doors were replaced in the fire box. New seats were installed on three charging doors. Repairs were made on brick work in the fire box and combustion chamber four times during the year. New gears and chains were installed in the ash hopper doors.

The steam driven oil pump in Plant No. 1 which had been in service since the plant began operation in 1936, was dismantled. A new electric oil pump was installed in place of it. The cost of parts along to repair the old pump would have cost more than the new electric pump. All necessary piping and labor was performed by Incinerator employees. The large oil suction line from the storage tank to the oil pump had become porous and it was necessary to dig it up and replace it with a new line.

A routine maintenance program on all equipment was carried out by Incinerator employees during the course of the year.

New boiler gates were made and installed by Incinerator employees in boilers 3 and 4. New bearings were installed in one forced draft and one induced draft machine.

### REFUSE COLLECTION AND DISPOSAL

The Refuse Collection and Disposal Section is responsible for the collection and disposal of all non-combustible refuse from the residential sections of the City once each month. The City is divided into twenty routes. Six trucks, six drivers and twelve laborers are used in this collection.

All materials collected are disposed of in a sanitary fill land-dump situated on Manton Avenue near the junction of Chalkstone Avenue in the City. This section has a bulldozer with an operator working at this location to maintain a clean disposal area. One laborer is also assigned to the dump. The dump site is open five days a week during the year.

The trucks used are 16 cu. yd. load packers and are rented from Shop and Stores Revolving Fund.

This Section also collects non-combustible refuse from Fire and Police Stations, City Buildings and Public Libraries.

### REFUSE COLLECTION AND DISPOSAL

The total cubic yards collected for the year follows:

<u>1964</u>	<u>Total</u>
October	3,840
November	3,952
December	3,872
<u>1965</u>	
January	3,968
February	3,968
March	3,920
April	3,968
May	4,176
June	4,048
July	3,920
August	3,856
September	<u>3,984</u>
Total	47,472

### RECOMMENDATIONS

1. The personnel in the laboratory at the Sewage Disposal plant have made exhaustive studies on the Sphaerotilus and Geotrichena growths, throughout the plant which have been causing operational difficulties over the past few years. An outside agency with complete laboratory facilities should be engaged by the City to complete these studies. Our laboratory personnel do not have the necessary time to carry on these studies. This study would include a review and evaluation of the work already done, further laboratory studies of the organisms, and recommendations of

necessary changes in procedures to overcome the effects of these organisms on the overall treatment of sewage.

2. A study of the by-pass channels around the Barmmutors at the Sewage Disposal plant:

At the present time, solids are deposited out on the floor of the channels and have to be cleaned out manually quite often. The Engineering Office of the Public Works Department could make this study and the necessary physical changes could be made by one of the construction gangs of the Department.

3. In this era of radioactivity, serious consideration should be given to the installation of a warning system for the detection of radioactive isotopes in the Sewerage System of the City. This warning device should be installed at some point in the Sewerage System where the employees at the Sewage Pumping Station and the Sewage Disposal Plant would receive advance warning of the presence of these dangerous isotopes in the flow of sewage. Radioactive isotopes are being used more and more in medicine and industry and it is very possible that some of them could inadvertently find their way into the Sewerage System.

4. Erect a wire fence with two gates at the entrance and exit of the Garbage Incinerator. These gates could be closed during the hours when no dumping is allowed at the Incinerator.

5. An overall study of both Garbage Incinerators, boilers and generators. One plant was placed in operation in 1936, together with the generators and the other plant went into operation in 1950. Both methods of disposal and the characteristics of garbage have changed over the past 10 years and this study would show what is necessary to modernize the present method of garbage disposal in the City of Providence.

6. Stricter enforcement of the Ordinance for the collection, conveyance and disposal of waste materials in the City of Providence: This Ordinance has been in effect for two years and has been very successful, but there is still room for improvement. With the cooperation of the law enforcement agency, many vehicles now operating in the City would be required to obtain a license from the Department of Public Works.

#### SANITATION DIVISION REVENUE

The revenue for this division during the fiscal year was as follows:

Sewage Pumping Station	27.55
Sewage Disposal Section	185,989.98
Garbage Collection and Disposal	24,656.21

Refuse Collection and Disposal	350.00
Total Revenue	\$211,023.74

REFUSE COLLECTION AND DISPOSAL

Expenditures for this section for the fiscal year  
were as follows:

ITEM 0	PERSONAL SERVICES	93,303.79
ITEM 1	SERVICES OTHER THAN PERSONAL	30,827.30
ITEM 2	MATERIALS AND SUPPLIES	<u>270.90</u>
Total		\$124,401.99

Respectfully submitted,

Howard F. Carpenter  
Chief of Sanitation

## STREET CLEANING SECTION

The expenditures for this section were as follows:

Item 0	Personal Services	280,607.33
Item 1	Services other than Personal	77,950.70
Item 2	Materials and Supplies	<u>1,314.59</u>
	TOTAL	359,872.62

This section is responsible for the cleaning of all streets and highways within the City and the maintenance and care of all the trash cans situated both downtown and in the outlying sections of the City.

The streets in the downtown section of the City, bounded by Dyer Street, South Main Street, Washington Row, Union Station, West Exchange Street, Aborn Street, Empire Street, Chestnut Street and Clifford Street are cleaned daily.

The following streets and squares are also cleaned daily.

Broadway from LaSalle Square to Olneyville Square  
Westminster Street from Empire Street to Hoyle Square  
Weybosset Street from Empire Street to Cathedral Square  
Broad Street from Empire Street to Trinity Square  
Atwells Avenue from Aborn Street to Ridge Street  
Pocasset Avenue from Olneyville Square to City Line  
Willard Ave. from Gay street to Prairie Avenue  
Randall Street from Charles Street to North Main Street  
Smith Street from State House to Oakland Avenue  
Douglas Avenue from Admiral Street to Mowry Street  
Plainfield Street from Hartford Ave. to Webster Ave.  
Gay Street from Willard Avenue to Blackstone Street  
North Main Street from College Hill to Mill Street  
Charles Street from Railroad Bridge to City Line  
South Main Street from College Hill to Point Street  
Wickenden Street from East Street to Power Street  
Ives Street from Wickenden Street to Power Street  
Governor Street from Wickenden Street to Power Street  
Wayland Avenue from Waterman Street to Angell St.  
South Angell Street from Wayland Avenue to Butler Avenue  
Butler Avenue from South Angell Street to Waterman Avenue  
Angell Street from Butler Avenue to Wayland Avenue  
Hope Street from Langham Road to Sixth Street  
Hartford Avenue from Laurel Hill Avenue to Olneyville Sq.  
Thayer Street from Brook Street to Waterman Street  
Waterman Street from Thayer Street to Brook Street  
Cranston Street from Dexter Street to City Line  
Potters Avenue from Cranston Street to Dexter Street  
Eagle Park Square                      Olneyville Square  
Randall Square                          Trinity Square  
Wayland Square                          Washington Square

A crew of men with hand brooms and hand push barrels are assigned to the downtown area and the outlying sections of the city to keep these sections free from debris. 172 thrash cans are located throughout these sections. They are emptied twice daily.

All the main arteries in the City were cleaned twice a week. All the streets in the outlying sections were inspected and cleaned by the day and night cleaning crews supplemented by the mechanical sweepers. Additional highway cleaning crews were assigned in cleaning the outlying sections during the spring and fall.

Eight mechanical sweepers were in operation, both day and night. Four new mechanical sweepers were purchased to replace four obsolete ones.

Five dual gutter broom sweepers are in service and are capable of cleaning gutters from either side of the sweeper, and are advantageous on one way streets.

Three front end loaders were used to pick up the sweeper dumps and load them in trucks for disposal. Three large trucks were used in the fall to pick up leaves. These trucks are equipped with Elgin Leaf Collectors and have a capacity of 10 tons. An operator and two laborers are needed for this operation.

An emergency crew was on duty twenty-four hours a day to handle complaints from the general public and to correct conditions outlined in police reports.

A summary of operations for this section follows:

Hand Broom Sweeping	102 Miles
Machine Broom Sweeping	15,799 Miles
Beat Patrol	8,525 Miles
Hand Broom Disposal	1,056 Tons
Street Container Disposal	1,849 Tons
Machine Broom Disposal	12,337 Tons

Mr. Lawrence P. McGarry, Director  
Department of Public Works  
700 Allens Ave.-Providence, R. I.

Dear Sir:

MUNICIPAL WHARF  
October 1, 1964 to September 30, 1965

The following rigs, cargo and freight cars arrived at the Municipal Wharf during the period from October 1, 1964 to September 30, 1965:

RIGS

Steamships	82
Motor Vessels	88
Barges	112
U. S. Navy	1
French Navy	1
Total	284

CARGO

Gasoline	350,499 Tons	
Fuel Oils	137,127 "	
Lube Oil	17,044 "	
Kerosene	19,360 "	
Lumber	95,278 "	(57,169,027 B.F.)
Cement	97,783 "	
Asphalt	65,042 "	
Steel	1,099 "	
Chemicals	8,258 "	
Pig Iron	5,530 "	
Gen. Cargo	11,240 "	
Total	808,260 Tons	

FREIGHT

Railroad	2,568 cars
Shipped	73,217 tons of scrap & petro products
Received	808,260 tons
Total	881,477 Tons

Total earnings and expenses for year 1964/65 are as follows:

EARNINGS

81,773.53	Lease of Land
75,976.09	Wharfage
1,851.77	Material Sold
5,076.00	Trackage
8,563.92	Water

38,341.00	Dockage
57,533.00	Rental of building space
11,094.17	Storage
126.24	Telephone
<u>956.60</u>	Electricity
281,292.27	Total

EXPENSES

Item 0	\$36,584.19
Item 1	13,959.84
Item 2	2,590.92

Very truly yours,

James J. Fisher  
Port Agent

HARBOR MASTER

Mr. Lawrence P. McGarry, Director  
Department of Public Works  
700 Allens Avenue  
Providence, R. I.

Dear Mr. McGarry:

The following rigs arrived in the harbor during the period from October 1, 1964 to September 30, 1965:

Steamships	409
Motor Vessels	703
Barges	210
Tugs	804
U. S. N. Destroyers	2
French Frigate	<u>1</u>
	2,129

The following cargo arrived in the harbor and the following cargo was shipped during the period from October 1, 1964 to September 30, 1965:

<u>RECEIVED</u>		<u>SHIPPED</u>	
Gasoline	2,562,855 Tons	Gasoline	483,409 Tons
	HM-1		



Fuel Oils	3,788,070 Tons	Fuel Oils	401,577 Tons
Kerosene	259,204 "	Kerosene	42,879 "
Diesel	95,384 "	Diesel	28,076 "
Lube Oil	68,376 "	Asphalt	97,210 "
Asphalt	105,839 "	Scrap	125,564 "
Coal	331,070 "	Gen. Cargo	<u>32 "</u>
Cement	151,031 "		
Chemicals	18,105 "	TOTAL	1,178,747 Tons
Gen. Cargo	19,337 "		
Lumber	<u>95,278 "</u> (57,169,027 B.F.)		
TOTAL	7,494,549 Tons		

	7,494,549 Tons Received
	<u>1,178,747 Tons Shipped</u>
Total	8,673,296 Tons Rec'd & Tons Shipped

Very truly yours,

James J. Fisher  
Harbor Master

FOLLOWING RIGS ARRIVED AT THE HARBOR  
FROM OCTOBER 1, 1964 TO SEPTEMBER 30, 1965

MONTH	STEAMSHIP	MTR. VESSELS	BARGES	TUGS	FRECH FRIGATE	U.S.N. DESTROYERS
Oct.	33	45	16	53		
Nov.	29	51	20	60		
Dec.	40	60	23	77		
Jan.	46	58	22	78		
Feb.	42	44	15	63		
March	35	59	23	73		
April	31	49	13	63	1	
May	28	53	14	69		
June	36	58	16	59		2
July	29	86	13	70		
August	31	89	19	75		
Sept.	<u>29</u>	<u>51</u>	<u>16</u>	<u>64</u>		
TOTAL	409	703	210	804	1	2

RECEIVED OCTOBER 1, 1964 to SEPTEMBER 30, 1965

<u>MONTH</u>	<u>GAS.</u>	<u>FUEL OIL</u>	<u>KEROSENE</u>	<u>DIESEL</u>	<u>LUBE OIL</u>	<u>ASPHALT</u>	<u>COAL</u>
Oct.	200,353	367,585	28,510	10,603	10,201	5,333	25,539
Nov.	215,882	266,726	8,146	7,502	23,045	15,905	26,053
Dec.	167,647	410,649	30,830	2,785	935	7,538	29,161
Jan.	231,105	570,253	35,397	7,453	3,300	5,333	26,082
Feb.	239,632	418,352	24,347	7,315	1,549	2,750	58,308
March	227,616	372,753	28,118	8,642	6,002	5,579	52,117
April	146,324	352,752	15,352	2,639	1,530	-	-
May	288,482	219,298	25,074	8,009	3,725	13,935	26,018
June	198,072	136,550	6,674	12,846	4,004	14,406	29,307
July	209,333	297,713	13,521	8,067	6,498	9,287	29,365
Aug.	225,914	184,798	20,023	16,148	4,888	8,383	-
Sept.	<u>212,495</u>	<u>190,641</u>	<u>23,212</u>	<u>3,375</u>	<u>2,699</u>	<u>17,390</u>	<u>29,120</u>
TOTAL:	2,562,855	3,788,070	259,204	27,590	68,376	105,839	331,070

RECEIVED OCTOBER 1, 1964 to SEPTEMBER 30, 1965

<u>MONTH</u>	<u>CEMENT</u>	<u>CHEMICALS</u>	<u>GEN. CARGO</u>	<u>LUMBER</u>
Oct.	10,217	926	2,147	5,653 (3,391,647 B.F.)
Nov.	10,834	1,819	4,313	3,476 (2,085,964 B.F.)
Dec.	9,460	-	478	10,903 (6,541,902 B.F.)
Jan.	5,060	2,148	-	5,790 (3,474,128 B.F.)
Feb.		2,038	4,690	7,519 (4,511,425 B.F.)
March	8,423	1,817	-	14,849 (8,909,869 B.F.)
April	16,867	1,000	1,260	12,700 (7,620,323 B.F.)
May	14,908	1,204	556	-
June	20,777	2,866	1,390	10,765 (6,459,168 B.F.)
July	16,088	1,667	1,038	2,767 (1,660,386 B.F.)
Aug.	15,543	1,620	2,764	12,042 (7,225,495 B.F.)
Sept.	<u>22,854</u>	<u>1,000</u>	<u>701</u>	<u>8,814</u> (5,288,720 B.F.)
TOTAL:	151,031	18,105	19,337	95,278

TOTAL: 7.494.549 TONS RECEIVED

SHIPPED OCTOBER 1, 1964 to SEPTEMBER 30, 1965

MONTH	<u>GAS.</u>	<u>FUEL OIL</u>	<u>KERCSENE</u>	<u>DIESEL</u>	<u>ASPHALT</u>	<u>SCRAP</u>	<u>GEN CARGO</u>
Oct.	27,392	27,703	2,415	818	8,500	10,577	32
Nov.	40,264	33,482	5,988	1,927	-	-	
Dec.	52,907	43,266	5,754	7,753	-	20,632	
Jan.	52,452	53,947	1,180	3,004	-	-	
Feb.	36,145	37,453	4,749	564	3,334	10,120	
March	47,039	71,405	4,175	285	9,433	-	
April	24,274	33,076	5,672	1,558	3,333	17,158	
May	43,726	23,818	3,421	1,312	12,000	10,126	
June	34,962	24,527	1,753	4,082	10,958	33,333	
July	36,968	11,667	2,566	1,881	34,102	-	
Aug.	45,464	28,674	2,435	2,532	6,550	20,732	
Sept.	<u>41,816</u>	<u>12,559</u>	<u>2,771</u>	<u>2,360</u>	<u>9,000</u>	<u>2,886</u>	<u>      </u>
TOTAL	483,409	401,577	42,879	28,076	97,210	125,564	32

TOTAL 1,178,747 TONS SHIPPED

OCTOBER 1, 1964 to SEPTEMBER 30, 1965

Received	7,494,549	Tons
Shipped	<u>1,178,747</u>	Tons
<u>TOTAL:</u>	8,673,296	Tons

PUBLIC SERVICE DIVISION

Mr. Lawrence P. McGarry  
Director of Public Works  
City Hall  
Providence, R. I.

Dear Sir:

I respectfully submit the following report for the Public Service Division for the fiscal year 1964-1965.

THE NARRAGANSETT ELECTRIC COMPANY

- |    |  |         |
|----|--|---------|
| 1. | (a) Total number of wood poles in City (including those jointly owned, but not including those jointly used, with no ownership.) | 18453   |
|    | (b) Total number jointly owned poles with N. E. T. & T. Company  | 13773   |
|    | "          "          "          "          "          U.E.R. Company  | 0       |
|    | Wes. Un. Tel. Co.  | 0       |
|    | Pos. Tel. Company  | 0       |
|    | N.E.T. & U.E.R.  |         |
|    | (3 party)  | 0       |
|    | U.E.R. & Wes. Un.  |         |
|    | Tel. Company   | 0       |
|    | N.E.T. & Wes. Un.  |         |
|    | Tel. Company   | 0       |
| 2. | Total number iron poles in City  | 246     |
|    | Number of underground street light standards   | 2135    |
|    | "    "    Ornamental Arc   | 0       |
|    | Ornamental incandescents (Mercury Vapor)   | 2135    |
|    | Goose Necks  | 0       |
|    | Ornamental inc. with U.E.R.  | 0       |
|    | Iron Poles with U.E.R.   | 0       |
|    | Iron Poles with U.E.R. & N.E.T. & T. Co.   | 0       |
|    | Iron Poles with N.E.T. & T. Company  | 9       |
| 3. | Total number miles conduit (trench feet) in City   | 83.62   |
| 4. | Total number miles conduit (duct feet) in City   | 690.59  |
| 5. | Total number underground cable in City   | 891.35  |
| 6. | Total number miles equivalent single underground conductor   | 1248.43 |
|    | a). Total number aerial cable.   | 356.15  |
|    | b). Total number equivalent single conductor aerial cable  | 940.75  |
| 7. | Total number aerial open wire  | 3817.20 |
| 8. | Total number service pipes or laterals   | 68.56   |
| 9. | Total number commercial transformers in City   | 6007    |

10.	Total number customers supplied directly by U. G. Connection	24281
11.	Total number customers supplied directly by O. H. Connection	48558
12.	Total number meters installed in City	72839
13.	Approximate total number of 1ø2 wire 115 V. meters in City	28611
14.	Approximate number of 1ø3 wire 115/230 V. meters in City	39234
15.	Approximate total number of 1ø2 wire 250 V. meters in City	0
16.	Approximate total number of 1ø3 wire 250/500 V. meters in City	0
17.	Approximate total number of 3ø3 wire 115 V. meters in City	12
18.	Approximate total number of 3ø3 wire 250 V. meters in City	235
19.	Total number of 3ø4 wire 120/208 V. meters in City	1623
20.	Total number of 1ø3 wire 120/208 V. meters in City	1820
21.	Total number of D.C. 2 wire and 3 wire 250 and 250/500 V. meters in City	54
22.	Approximate total number of 3ø3 wire 575 V. Meters in City	1250

PROVIDENCE GAS COMPANY

Total Gas Services in Providence	37,429
----------------------------------	--------

Miles of Main:

L.P.	393 Miles	1,028 Feet
H.P.	13 Miles	1,925 Feet
Natural Gas	<u>1</u> Mile	<u>1,800</u> Feet
Total	407 Miles	4,753 Feet or 407.9
Gas Holders		4
Number of Meters (Active)		52,541
Decrease in Gas Service 9/30/64-9/30/65		195

Decrease in Miles of Main 9/30/64-9/30/65	.9
Decrease in Number of Meters " "	693

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

Total number wood poles (including jointly used, but not including those jointly used with no ownership)	16,725
Total number of jointly used poles with N. E. Company	13,474
Total number of miles main conduit (trench miles)	64.72
Total number of miles U.G. cable	310.82
Total number of miles aerial cable	274.33
Total wood terminal boxes on poles	194
Approximate number of telephones supplied directly by underground or block distribution	47,835
Approximate number of telephones supplied directly by overhead lines on highways	45,936

The following additions have been made to the equipment in use by this company during the past year:

Additional miles of cable - U. G. and Aerial	13.52
Increase in the number of telephones in use	561

ESTIMATE

This report covers plant statistics as of September 1, 1965

WESTERN UNION TELEGRAPH COMPANY

City Plan, Providence, Rhode Island

Number of poles	None
Number of poles jointly owned	None
Number of feet of U. G. conduit (tr. ft.)	276
Number of feet of U. G. conduit	922.6
Number of miles of U. G. cable	.743
Number of miles of wire in U. G.	65.12

Number of feet of twisted pair:

(a) On licensed attachments privileged to purchase the poles of other companies	16,200
(b) Across street	820
(c) Over private alleys	280
(d) Manholes owned	1

TRAFFIC ENGINEERING DEPARTMENT

The following is a list of traffic signal equipment in use by the Traffic Engineering Department of the City of Providence:

Total number of traffic signal heads	1,296
Total number of traffic signal poles	657
Total number of traffic signal controllers (local)	180
Total number of traffic signal controllers (master)	6
Total number of feet of underground ducts and laterals	73,971
Total number of miles of underground cable	29.43
Total number of miles of aerial cable	6.27
Total number of miles of equivalent single conductor (underground cable)	156.14
Total number of miles of equivalent single conductor (aerial cable)	31.36

The above list of equipment is owned by the Traffic Engineering Department. At the same time we are using duct space and cable belonging to the New England Telephone & Telegraph Company and the City of Providence Fire Department as follows:

Total number of feet of duct space belonging to the New England Telephone & Telegraph Company assigned to City use	52,530
Total number of feet of duct space belonging to the Fire Department of the City of Providence	3,040
Total number of miles of equivalent single conductor underground cable belonging to the City of Providence Fire Department and assigned for Traffic Engineering use	57.6

# DEPARTMENT OF PUBLIC SAFETY

Inventory - Signal Construction - Fire Alarm Division - Police  
Signal System  
September 30, 1965

	<u>TOTAL</u>	<u>AERIAL</u>	<u>U.G.</u>	<u>DOOR TYPES</u> <u>QUICK ACTION</u>	<u>KEY</u>	<u>KEYLESS</u>
Fire Alarm Boxes	986	611	376	964	9	13
City Owned	678	416	262	678	0	0
Privately Owned	308	195	113	286	9	13
Police Call Boxes	168	103	65			
Total number of all box and cable pedestals					334	
Total number of all Fire Alarm Box pedestals					237	
Total number of all Police Box pedestals					67	
Total number of Cable pedestals Only					36	
Total number of miles of underground cables					87.15	
Total number of miles of parkway cables					1.47	
Total number of miles of aerial cable					3.52	
Total number of miles equivalent single conductor:						
			Underground		1258.40	
			Aerial		129.30	
			Parkway		6.42	
Total footage of all underground ducts and laterials owned by the City					3445.6	
Number of Poles owned by the City					36.	
Increase of number of Fire Alarm Boxes owned by the City					3	
Increase of number of Fire Alarm Boxes privately owned					12	

These increases are for the 1964-1965



## STREET LIGHTING SUMMARY

We can again say the high standard of street lighting enjoyed by the citizens on the travelled arteries of the City of Providence has contributed in no small way to the welfare of the pedestrian as well as the motorist in protecting the lives and property of its citizens. The low amount of assault cases on the City streets after dark confirms this fact. It has increased property valuation and acted as an incentive to property owners to improve their property.

We also feel that our improved street lighting still contributes an important part in enabling the Traffic Engineering Division to gain national recognition for traffic safety on our streets.

We are constantly improving residential lighting, as much as possible where it is feasible, by installing more units to fill in the existing long spacings that were practical years ago when they were installed but where new construction of homes and the full growth of trees have now made those spacings impractical as well as unsafe at night. Possibly, in the future, a controlled tree planting system by our different municipal departments will correct this street light shading by trees in our neighborhoods by recommending the planting of new trees back of the property line and not on the curb line as is presently and formerly done. Many of our cities have resorted to this type of tree planting with excellent results. Some of our existing neighborhood streets are impossible to adequately light at all because of tree foliage grown from trees on both sides of the street extending over the center line of the highways.

Street light breakage has decreased this year by 319, which probably indicates that a weekly copy of the percentage breakage that is mailed to Commissioner Goldstein, Commander Wilding and Colonel Franklin has helped considerably. The redevelopment areas still show the greatest amount of breakage.

The Narragansett Electric Company, as Per Mutual Agreement has now replaced all existing 15000 lumen mercuries to 21000 lumen which has improved and updated the present lighting on our main highways.

The relighting of Elmwood Avenue is now completed with the new 21000 lumen mercury luminaires.

The Lippitt Hill area is still in the process of redevelopment and we shall adequately relight this area when it is needed.

#### PUBLIC SERVICE SUMMARY

The small amount of utility pole petitions received and field checked by this department this year is because neither one of the utility companies conducted a depreciation survey. The 157 figure represented new and regular maintenance work.

There have not been any gas tests conducted by this division for some time, to check the B.T.U. content of illuminating natural gas, because of the lack of personnel, the inadequate laboratory conditions and the unworkable condition of the two pieces of gas testing equipment.

An added duty of this division is the field inspection and approval of all gas permits and the checking of soil resistivity.

The sign inspections by this division were prompted by some near fatalities in the past, which is now controlled by allowing signs to be only as near high tension wires as the National Safety Code Standard allows and recommends.

This division also field checks, inspects and approves all petitions submitted for the installation of all underground conduit and duct lines installed in Providence by the Narragansett Electric Company, Providence Gas Company, New England Telephone & Telegraph Company, Western Union Telegraph Company, Department of Public Safety and the Traffic Engineering Department.

Christmas decorations have been inspected and approved at Olneyville Square, Mount Pleasant area, Wayland Square, Federal Hill and the Downtown area, sponsored by the various businessmen's associations.

This division also checked and approved all monthly department electric and gas bills rendered to all City of Providence departments.

This Department also inspects every new installation request for private lighting by the Narragansett Electric Company for adverse affect on traffic or homes. These private light sources are either 400 Watt or 1000 Watt Floodlights, or private lighting on the sidewalk, side of the utility pole which is called area lighting.

The north-south freeway from Allens Avenue to Chalkstone Avenue which is called Route #95, is progressing on schedule and we are installing lights as it progresses.

The Central-Classical redevelopment area is still in progress, and we have worked in conjunction with the utility companies in removing and replacing lights as the project develops.

The Westminster Pedestrian Mall lights are to be charged to the street lighting fund, by order of the Director of Public Works.

Approximately 70 petitions submitted by the councilmen for neighborhood lights are still being held for approval by the Director of Public Works.

SOME RECENT UPDATING OF STREET LIGHTS:

Westminster Mall Area with 21,000 and 7,000 Lumen Mercuries; Cranston Street Widening and Relocation; Westminster Street; Stewart Street; Promenade to Chalkstone and Service Roads; Orms and Smith Streets; Park Street; Service Road #9; Jefferson and Smithfield Avenues; Bridge to 7,000 Lumen Mercuries and Burgess Street to 7,000 Lumen Mercury Vapor.

Respectfully submitted,

Peter J. Hicks  
Public Service Engineer

Mr. Lawrence P. McGarry, Director  
Department of Public Works  
700 Allens Avenue  
Providence, R. I.

Dear Sir:

The following is the annual report of the Family and Business Relocation Service for October 1, 1964 to September 30, 1965:

#### INTRODUCTION:

The enclosed annual report discloses the activities of the Family and Business Relocation Service for the fiscal year October 1, 1964 through September 30, 1965. The objectives of the Relocation Service are to assist families and individuals in finding decent, safe and sanitary housing within their financial means, with a minimum of hardship and in a convenient location to their employment. In the interim of carrying out these primary objectives, it is also necessary to provide rehabilitation services with direct references to health, welfare and social agencies.

During the past year, the Relocation Service, with a staff of twenty individuals, was engaged in seven (7) projects. Of this number, two (2) were in the field of urban renewal and five (5) under the Federally-Aided Highway Act.

Of the actual caseload of 444 residents serviced during the year, a total of 250 residents were successfully relocated with 194 residents remaining at the end of this fiscal period. Five (5) highway construction projects were completed in the residential displacement phase.

The Relocation Service is closing out the commercial segment of its relocation program. The Industrial Division of the Providence Redevelopment Agency has taken over the responsibility of assisting commercials to be displaced by governmental action. During the past year, nine (9) projects were in the total workload. The one remaining commercial in the Central-Classical Urban Renewal Project has successfully relocated in the project area. Two of the seven project areas under the Federally-Aided Highway Act were completed. The one remaining project, The Bradford House for the Elderly, under the auspices of the Providence Housing Authority has also been successfully cleared and is soon expected to be available for occupancy.

A total of 29 commercials were in the workload at the beginning of the period. Of this number, 17 cases were successfully relocated during the 12-month period. Twelve remained at the end of the fiscal year.

The Relocation Service has agreed to complete all commercial phases of the Relocation Program that were initially started by the Service. We expect to close out the remaining commercial activities within the next fiscal year. A total of four (4) projects were completed and closed out.

The Federal-Aid Highway Act of 1962 authorized federal participation with Federal Highway Programs. The established policy and procedure authorizes reimbursement to local public agencies engaged in servicing residential and commercial site occupants from Federal-Aid Highway Project areas. A sum of \$5,530.76 was received on January 21, 1965, for seven (7) phases of various sections of highway areas previously cleared. An additional sum of \$11,165.23 was received on June 29, 1965, for the completion of relocation activities on another five (5) highway sections. The office of the City Collector has acknowledged receipt of the above mentioned payments by the State of Rhode Island.

A review of the workload for the past 12 months consists of two projects, namely the Weybosset Hill Urban Renewal Project and the special Diagnostic Study and Referral Program for the East Side Renewal Project Randall Square Phase, which required detailed programming.

The Ford Foundation sponsored Study of Relocation of Elderly Persons covering a two-year period entitled "The Impact of Relocation on the Elderly" is completed and is presently being printed for submission soon after the new year. The City of Providence was one of four cities selected to participate in the Action-Study Program on the problems of the elderly relocatee. Many elderly persons displaced from active projects during this Ford Foundation Program have benefited from the findings. Many groups have participated in the Friendly Visiting Program. Some organizations and businesses offered donations and gifts for distribution to the elderly.

In continuing our policy, all residents are given personal attention, in the offering of decent, safe and sanitary housing, and great emphasis is incessantly placed on their human needs.

A review of the total relocation program disclosed that the special services and the rehabilitation program greatly increased by noting the total number of contacts and referrals to the various social, economic and public health agencies.

In anticipation of the General Neighborhood Renewal Program (GNRP) the future relocation activities will include supplementary services for people residing in the planned rehabilitation and code enforcement areas of the City of Providence.

## RESIDENTIAL DISPLACEMENT

The residential phase of the Relocation Program has shown greater activity in the Urban Renewal Projects than with displacement from highway construction areas. All five projects condemned by the Rhode Island Department of Public Works for highway purposes have been completed and the residential site occupants have been successfully displaced. While a total of 250 families and individuals were relocated during the year, the total caseload involved 444 families and individuals. Of the remaining 194 cases carried in the new fiscal year, 111 cases reside in the Weybosset Hill area and 83 live in the Randall Square area of the East Side Renewal Project.

Most of the problems faced during the year involved elderly and individual roomers. Realizing that the elderly site occupants are handicapped with problems during the relocation phase, more time and personal attention was directed to them through the social workers and the field specialist on the elderly.

Rooming and apartment houses were once heavily concentrated in the Hayward Park to Promenade sections of the freeway, the Central Classical project and the currently active Weybosset Hill Project. A majority of the residential site occupants and roomers of the above-mentioned projects have had to disperse to the southern fringe of these projects.

## COMMERCIAL RELOCATION

At the start of the fiscal year, nine (9) projects were active with the service in the clearance program for commercial site occupants. During the year, four (4) project areas were completed and were closed out. Out of 29 commercial establishments registered on the various sites, a total of 17 have displaced from site and the remaining 12 were carried into the present fiscal year.

Before closing out the commercial relocation program entirely to the Industrial Division of the Providence Redevelopment Agency, the active commercial workload of the twelve establishments on the remaining five (5) freeway sites will continue to be serviced until successfully displaced.

Although available commercial and industrial space in the City has been reduced considerably, the Relocation Service has attempted to retain as many of the affected business concerns as possible within the City. In addition to offering listings for available sites, the Relocation Service has assisted businessmen on numerous occasions by obtaining information regarding zoning and building regulations as well as areas being considered for proposed projects, all of which proved helpful in their final selection of sites for permanent relocation.

The Relocation Service also continues to maintain a liaison

role between the Small Business Administration and displaced businessmen who might request information regarding available business loans, interest rates, terms, etc. The overall aim of the Relocation Service continues to be to facilitate the relocation and lessen the impact of displacement upon affected business establishments.

#### TRAINING SCHOOL FOR CITY INSPECTORS ON AMERICAN PUBLIC HEALTH ASSOCIATION STANDARDS

During the spring of 1965, Mayor Joseph A. Doorley, Jr. suggested at a meeting of department heads from Health, Fire Prevention, Minimum Housing Standards, Building Inspection and Relocation Service that a uniform Housing Inspection System be implemented for all housing inspectors in the above City departments. After a brief explanation of the system utilized by the attending department heads, it was unanimously agreed that the American Public Health Association Standards (APHA), presently used by the Family and Business Relocation Service, would be utilized as the norm for future programing. The APHA system is a method devised to evaluate the quality of housing. The method has been acceptable to the Providence Redevelopment Agency and the Federal Urban Renewal Administration for the past 15 years because of its system of providing the required compiled housing data for Urban Renewal project areas being planned.

Two five-week classes were held during the year at the Almy Street School. Thirty-seven inspectors from the various City departments successfully completed the four-week classroom assignments and one week of field exercises. At the present time, the City has a new work force of 43 inspectors trained in the APHA method of evaluating the condition of housing for future survey work. (Figure includes six presently trained inspectors from the Family and Business Relocation Service).

#### LISTINGS PROCESSED DURING THE YEAR

The roomers, the elderly and the individual householders residing in the Weybosset Hill Urban Renewal Project area made the greatest demand upon the Relocation Service for listings.

During the fiscal year, a total of 228 rental and sales properties were processed for all projects. Twenty-three, or approximately 10 per cent of the total listings, were from out of town. The Relocation Service uses the American Public Health Association Standard Scoring System in processing listings.

While the Relocation Plan is normally geared toward the average size tenements in the rental phase and toward flats with extra bedrooms for large families, the nature of the Weybosset Hill Project necessitated a change in the approach in order to make available furnished and unfurnished rooms and efficiency apartments.

The public affairs approach pointed towards an appeal for rooms and small apartments as opposed to tenement housing which accounts for a noticeable drop in the total number of listings processed during the year.

## INTERRACIAL ACTIVITY

The displacement of non-white families and individuals during the year diminished considerably. However, the Relocation Service has continued to bring to the attention of the community the problems of finding decent, safe and sanitary housing for our minority families.

During the year, the Inter Group Specialist has visited the non-white occupants of both Weybosset Hill and Randall Square Projects.

One of our major efforts in this field has been the continuation of our public speaking program in reaching church groups, neighborhood organizations and professional clubs in order to make known the aims and objectives of the Relocation Program.

The services of the neighborhood resource units of Progress for Providence, the Housing Committees of the Catholic Interracial Council and C.O.R.E., the District Nurses Association, the Department of Public Welfare, the Department of Employment Security and its Youth Center have been coordinated for the multi-problemmed non-white site occupants.

The Relocation Service is making a continued effort to improve racial relationships within the community as one of the most important phases of our over-all responsibility.

## SPECIALIZED PROGRAM FOR THE ELDERLY

The demand for services from the elderly residing in project areas being cleared has increased. The Relocation Service continued to make steady progress and kept abreast of the unique problems faced by the elderly.

During the period, the use of specialized services assisted the elderly occupants of all five (5) phases of the highway programs and Urban Renewal activities.

The greatest concentration of elderly occupants resided in the Weybosset Hill area which totaled approximately 120 cases. Many private and public agencies were called upon to assist the Relocation Service in coping with the complex multi-faceted problems of the elderly relocatees.

It was established that our elderly citizens can withstand the transfer from a project area if given advanced information with a clear and an understandable explanation of the purpose for the move. The move, in the majority of cases, for the elderly has been beneficial with improved housing facilities suitable to their needs.



## FORD FOUNDATION ELDERLY STUDY GRANT

The two-year demonstration grant by the Ford Foundation in the amount of \$35,000 to make the action-study of the elderly displaced from the Central-Classical Project area is presently being printed and will be reviewed by the Ford Foundation Committee in the early part of January of 1966.

During the first half of the year, the specialized staff has devoted full time in completing the field work and is beginning to prepare reports in agreement with the contract.

The Rhode Island Council of Community Services, Inc., under contract agreement for \$8,024 with the Relocation Service, plan to submit their final report to the committee for review at about the same time.

During the year, the service aspect of the study was continued. As the year ended, some 18 elderly cases are still being serviced. The field staff is informing the participating elderly displacees that the program will terminate at the year's end, (1965). The final report identifies the problems faced by the elderly in the process of relocation and offers methods of coping with these problems.

The City of Providence continues to receive national attention relative to the special Ford Foundation Study and can be assured that more elderly persons throughout the country will receive improved services when relocated from future project areas.

## EAST SIDE RENEWAL PROJECT RANDALL SQUARE PHASE DIAGNOSTIC STUDY AND SOCIAL ACTION PROGRAM

The specialized program in the Randall Square Phase of the East Side Urban Renewal Project will be completing 30 months of activity. It is gratifying to report that the Urban Renewal Administration of the Department of Housing and Urban Development in Washington, D. C. appears to support the program by issuing a Local Public Agency Letter, No. 347, on September 14, 1965, subject: "Diagnostic and Referral Services for Urban Renewal Area Residents"...., "This responsibility is particularly crucial where the residents of the project area face problems associated with dependency and deprivation, resulting in unemployment, poor health, broken families, lack of education, a social behavior, poverty, and related difficulties."

During the year, eleven (11) families and eleven (11) individual householders moved from the area. Most of the 22 residents moved off site due to fires and other hazardous housing conditions.

At the end of the fiscal year, 43 families and 40 individuals remain on site. Of the total, 1,494 contacts made to the site

occupants, 696 contacts were accounted for this fiscal year. A total of 160 referrals were also made during the year to various public and private agencies to assist the residents with their problems. The 30 month total of 371 referrals were made to the multi problemed site occupants.

In evaluation the results of this long-termed specialized service, one can say that our time and efforts have been well spent in the preparation of stabilizing the people in the project area. The overall response from our site occupants has reached a gratifying proportion.

The social workers report a greatly improved atmosphere when visiting clients. This atmosphere will contribute greatly to the success of the project when the day of condemnation is accomplished in the latter part of 1966.

The Relocation Service has had, as a result of this experience, a tremendous opportunity in testing future programing in projects to be undertaken under the General Neighborhood Renewal Project concept.

As noted earlier, some changes and recommendations already have the wholehearted support of the Federal Government. While the project has attracted national attention in the development of early entrance into a proposed project area, we are confident that the best interests of the residents are being served in giving this specialized help and further reassuring them of a better opportunity for social rehabilitation and adjustment in keeping with the spirit of the latest Federal-Local partnership.

#### PUBLIC AFFAIRS ACTIVITY

Inquiries predominantly from the Region I Urban Renewal Administration area and various other cities and towns throughout the country continue to demand much time and effort in the preparation of reports and data on the relocation program developed here in the City of Providence.

The centralization of the relocation program for all displacement activity by governmental action within the City continues to draw the greatest interest and attention. The ability to coordinate and plan future relocation programs within the framework of a single agency gives credence to the success of the Relocation Service in assisting over 5,400 families and individuals over the past 16 years.

However, it must be stated that gradually over the past year, more time had to be devoted to the social and human values of the individual to prepare residents for moves from one environment to another. This phenomena continued to prove challenging.

In addition to these factors, many hours of staff time was devoted in preparing reports and releases informing the community of the current relocation activity. Varied speaking programs within neighborhood associations and groups continued to receive a top priority informing all concerned of the intentions of the relocation process.

During the twelve-month period, many spot announcements and telecasts were conducted to focus attention in the community of its responsibility in assisting the people to be displaced. Feature articles and news items seem to reach a good majority of people. Each time television and news articles are released, a noticeable influx of listings are offered to satisfy the type of appeal for housing.

#### JOINT PROGRAM FEDERAL AID HIGHWAY ACT

The Providence Relocation Service is presently responsible for all residential relocation activities caused by condemnation proceedings of all state highway construction areas within the boundaries of the City. The formal contract consummated on April 28, 1964, with the State of Rhode Island Department of Public Works under the Federal Aid Highway Act of Congress of the United States is still in affect.

Although the City's Relocation Service, under the terms of the contract, becomes the Local Public Agency (LPA) responsible for all highway displacement, residential and commercial. All commercial displacement will be serviced by the Industrial Division of the Providence Redevelopment Agency. As stated previously, the Federal Highway Act approved by Congress in October of 1962 has also allowed reimbursement payments for all relocation technical assistance rendered to the State of Rhode Island on Federal Highway projects.

During the fiscal year, the City Collector's Office has acknowledged a total payment from the State of Rhode Island in the sum of \$16,695.99 for reimbursement for assistance in the displacement of residential and commercials from some completed sections of freeway condemned after October 21, 1962. As other sections of highway construction areas become completely cleared of site occupants and all relocation claims have been processed for payment, the Relocation Service will forward invoice vouchers to the right of way section of the Rhode Island State Department of Public Works for further reimbursement payments. There remains to date five active phases to be processed for reimbursement.

Relocation payment benefits to site occupants under the Federal Highway Act has not changed to date. Eligible residential site occupants are allowed up to \$200, depending on the number of rooms occupied, for a given move.

## SUMMARY

In general, the annual report discloses the daily operations including facts and statistical data in order to reflect to some extent the accomplishments of the Relocation Service during the fiscal year.

It is interesting to note that several accomplishments have been reached in going about the task of assisting families in finding new homes and assisting them towards an improved way of living.

In servicing people throughout the years, it has been our experience that new problems continue to rise. Solutions must be found in resolving these problems with the least amount of hardship involved. To maintain a good balance of movement in displacing people from project areas, we feel that the central relocation system is of vital importance. Whenever necessary, scheduled dates to be relocated should be maintained as reasonable as possible. However, every consideration must be given to the people whom we are servicing.

As in the past, the Relocation Service has harnessed all of the energies humanly possible within private and public social, health, education and welfare departments. The social case workers represent the moving force in working closely with clients facing displacement. It is an established fact that frequent visits and casework procedures help establish a greater degree of closeness and understanding in carrying out the relocation process.

Likewise, the housing inspectors favorable follow-up reports indicate that approximately 90 per cent of our displacees move into standard housing. This high percentage reflects the detailed planning that is part and parcel of the Relocation Program.

With the various specialized programs for the elderly, minority and multi-problem families, every consideration is rendered to make the client feel part of the undertaking. While the total concept of relocation is changing rapidly, it is our hope to continue to work for new avenues of methodology in planning various specialized services to clients in need.

While no annual report can directly portray the many complex intricacies involved in this relocation phenomenon, it may be concluded that the present structure of programming is closely attuned to the needs of the residents and will continue to function successfully on a community effort basis.

As we approach a change in concepts, namely, emphasis on rehabilitation as opposed to total clearance, every reasonable effort shall be expended to make available decent, safe and sanitary housing to clients while upholding the dignity and respect of individuals whom we may serve.

FAMILY & BUSINESS RELOCATION SERVICE  
PROGRESS REPORT ON RESIDENTIAL PHASE

FISCAL YEAR 1964 - 1965

<u>PROJECT</u>	<u>CONDEMNATION DATE</u>	<u>WORKLOAD 10/1/64</u>	<u>RELOCATED DURING FISCAL YEAR</u>	<u>REMAINING ON SITE 9/30/65</u>
<u>URBAN RENEWAL</u>				
*East Side (Randall Square) (Phase)	*3/4/63	124	41	83
Weybosset Hill	5/15/64	281	170	111
<u>HIGHWAY CONSTRUCTION</u>				
Red Bridge	2/4/63	11	11	completed
Huntington Ext.	6/30/63	6	6	completed
Douglas to Charles	12/30/63	2	2	completed
So. Water to Ives	1/28/64	6	6	completed
Ives to Seekonk River	6/26/64	14	14	completed
	TOTAL	444	250	194

\*Special Pre-Condemnation Social Planning Program

FAMILY & BUSINESS RELOCATION SERVICE  
REPORT ON RESIDENTIAL CONTACTS

FISCAL YEAR 1964 - 1965

<u>PROJECT</u>	<u>HOME CONTACTS</u>	<u>OFFICE CONTACTS</u>	<u>TOTAL</u>
<u>URBAN RENEWAL</u>			
*East Side (Randall Square Phase)	696	36	732
Weybosset Hill Urban Renewal	1445	295	1740
<u>HIGHWAY CONSTRUCTION</u>			
Red Bridge	22	0	22
Huntington Extension	17	13	30
Douglas to Charles	8	0	8
South Water to Ives	11	15	26

Ives to Seekonk River	<u>43</u>	<u>45</u>	<u>88</u>
TOTAL	2242	404	2646

\*Special Pre-Condemnation Social Planning Program

FAMILY&BUSINESS RELOCATION SERVICE  
PROGRESS REPORT ON COMMERCIAL PHASE

FISCAL YEAR 1964-1965

<u>PROJECT</u>	<u>CONDEMNATION DATE</u>	<u>WORKLOAD 10/1/64</u>	<u>RELOCATED DURING FISCAL YEAR</u>	<u>REMAINING ON SITE</u>
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URBAN RENEWAL

*Central-Classical	1/2/62	1	1	completed
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HIGHWAY CONSTRUCTION

Red Bridge	2/4/63	4	1	3
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Route #6 (Phase II)	2/28/63	4	3	1
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So. Water to Ives Street	1/28/64	12	6	6
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Route #6 (Connector; (Ramp)	6/2/64	1	1	completed
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Ives to Seekonk River	6/26/64	3	2	1
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Gano to Seekonk River	9/15/64	2	2	completed
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India Street	12/18/64	1	0	1
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CITY PROJECTS

Bradford House (Housing, (for Elderly) Negotiation		<u>1</u>	<u>1</u>	<u>completed</u>
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TOTAL		29	17	12
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\*Churches, non-profit organizations, rooming and apartment  
houses only.

FAMILY&BUSINESS RELOCATION SERVICE  
REPORT ON COMMERCIAL CONTACTS

FISCAL YEAR 1964 - 1965

<u>PROJECTS</u>	<u>CONTACTS</u>
<u>URBAN RENEWAL</u>	
*CENTRAL - CLASSICAL	2
<u>HIGHWAY CONSTRUCTION</u>	
Red Bridge	37
Route #6 (Phase II)	24
South Water to Ives Street	175
Route #6 (Connector Ramp)	15
Ives to Seekonk River	48
Gano to Seekonk River	21
India Street	10
<u>CITY PROJECTS</u>	
Bradford House (Housing for Elderly)	<u>7</u>
TOTAL CONTACTS	339

\*Churches, non-profit organizations, rooming and apartment houses only.

TOTAL NUMBER OF REFERRALS MADE  
TO RESIDENTIAL AND COMMERCIAL SITE OCCUPANTS

FISCAL YEAR 1964 - 1965

<u>PROJECTS</u>	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>
<u>URBAN RENEWAL</u>		
*East Side (Randall Square Phase) **160		
Weybosset Hill Urban Renewal	234	
<u>HIGHWAY CONSTRUCTION</u>		
Red Bridge	3	15
South Water to Ives Street		52
Ives to Seekonk River	24	13
Gano to Seekonk River		7
<u>CITY PROJECTS</u>		
TOTAL	421	87

\*Special Pre-Condensation Social Planning Program.

\*\*Public and Private Agency Referrals.

# RENTAL AND SALES PROPERTIES FOR ALL PROJECTS

FISCAL YEAR 1964 - 1965

<u>QUARTERLY</u>	<u>APPROVED</u>	<u>REJECTED</u>	<u>OUT OF CITY</u>	<u>TOTAL</u>
Oct. 1 - Dec. 31, 1964	78	22	7	107
Jan. 1 - Mar. 31, 1965	37	9	10	56
Apr. 1 - June 30, 1965	21	9	3	33
July 1 - Sept. 30, 1965	<u>17</u>	<u>12</u>	<u>3</u>	<u>32</u>
TOTAL	153	52	23	228

## ANNUAL EXPENDITURES

FISCAL YEAR 1964 - 1965

### PERSONAL SERVICES

CITY SHARE - GENERAL FUND	\$ 69,667.08
FEDERAL SHARE	<u>34,833.54</u>
TOTAL PERSONAL SERVICES	\$104,500.62

SERVICES OTHER THAN PERSONAL	9,343.00
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MATERIALS AND SUPPLIES	500.00
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EQUIPMENT OUTLAY	<u>-----</u>
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TOTAL EXPENDITURES	<u>\$114,343.62</u>
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NOTE: Reimbursement from Rhode Island State Department of  
Public Works under FEDERAL-AID HIGHWAY ACT

Legislation: \$16,695.99

Respectfully submitted,

David Joyce  
Administrator

FBRS-13



Mr. Lawrence P. McGarry  
Director of Public Works  
700 Allens Ave.-Prov., R. I.

Dear Sir:

The following is a report on the Removal of Abandoned Vehicles from streets and other areas of the City:

From June 21 to September 30, 1965  
Moved 298 vehicles to Fields Point.

From October 1 to December 31, 1965  
Moved 304 vehicles to Fields Point.

Moved for Police Department, vehicles with Police Courtesy Notices.....70  
Moved for Division of Minimum Housing vehicles parked in yards.....52

MOVED FROM

Roger Williams Housing Project	20
Manton Avenue	14
Hartford Avenue	11
Cranston Street Armory	41
Willard Shopping Center	6

CHURCHES

St. Michaels	8
St. Pius	2
Blessed Sacrament	2
Holy Name	2

SCHOOLS

Esek Hopkins Jr. High	2
Mt. Pleasant	1
St. Charles	2
LaSalle Academy	2
Providence College	2
St. Pius	3
Assumption	2
Vineyard	3
St. Mary's	3

REDEVELOPMENT AREAS

Camp & Olney Sts.	11
Bridgham Street	21
Westminster St.	12
Broad Street	11
Camp & No. Main Streets	10
South Side Boys Club	7
Olneyville Boys Club	6

STATE OWNED PROPERTY

Harrison Street	12
Washington Bridge-way	19
Friendship Street	3

All abandoned vehicles moved under my direction. Equipment and labor used from the Highway Department of Public Works, when available.

Respectfully submitted,

Elmar C. Davis  
Inspection Department

RAV-1