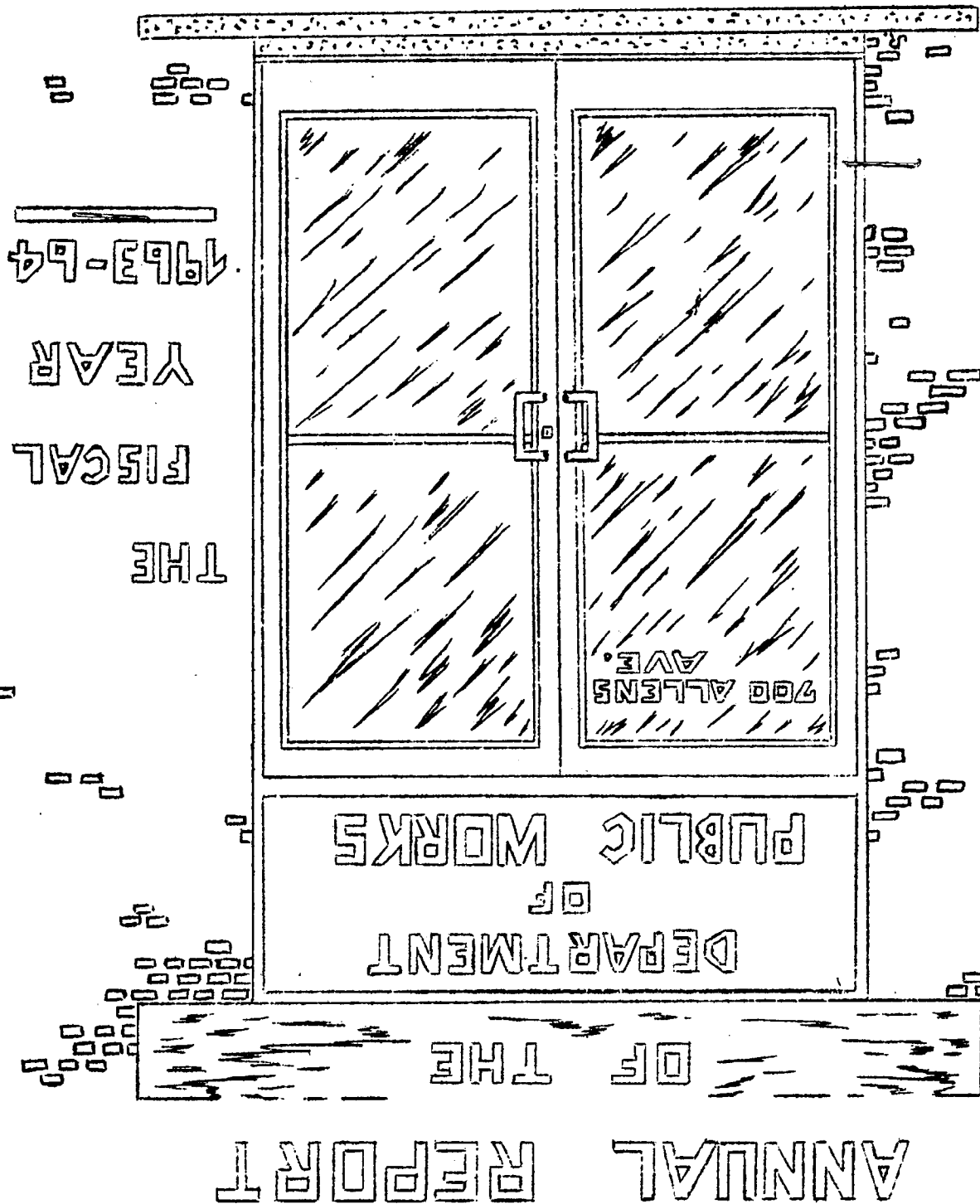


PROVIDENCE, RHODE ISLAND



ANNUAL REPORT

December 31, 1964

DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE DIRECTOR

The Honorable Walter H. Reynolds,  
Mayor of the City of Providence  
City Hall,  
Providence, R.I.

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, 1964 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:

Business Management  
Construction and Maintenance  
Public Service Engineer

Engineering Office  
Sanitation  
Harbor

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

"The removal of eighty-five elm trees on City streets affected by Dutch Elm Disease" by E. W. Cerio Tree Service.

"The removal of one hundred and forty-three elm trees on private property affected by Dutch Elm Disease" by Sepe Tree Experts.

"Building of Sewers in Sundry Streets: by the V. F. Capaldi Const. Corp.

"Building of Sewers in Sundry Streets" by the Fanning & Doorley Const. Co. Inc.

Highway construction and reconstruction consisted of the construction with Asphaltic Concrete on a penetrated stone base of 4,671 square yards of pavement by contract, the resurfacing with Sheet Asphalt and Asphaltic Concrete of 102,477 square yards of pavement by contract; and repairs to and surfacing with Asphaltic Concrete of 171,106 square yards of pavement by the Public Works Highway Forces.

New sewer construction, by contract, consisted of the building of 0.5515 miles of sanitary sewers together with drains to curb and drainage structures.

This Department has rendered assistance to various City Departments and outside agencies, including the Park, Recreation, Public Welfare, Traffic Engineering, Redevelopment, Public Safety, Water and Health Departments.

Our relations have been very cordial with the local office of the Federal Bureau Public Roads, headed by Mr. Joseph Westell, the State Department of Public Works, headed by Mr. Angelo A. Marcello; the U.S. Army Corps of Engineers; the Providence Redevelopment Agency; and the consulting Engineers on the North-South Freeway, Louisquisset Pike, Red Bridge, Hartford Avenue, Redevelopment, and Fox Point Hurricane Barrier Projects and we appreciate the many courtesies and cooperation extended us.

I am very grateful for and appreciative of the splendid cooperation extended me by the City Council Committee on Public Works, comprised of Chairman Ralph Matera, Edward J. Loughran, Salvatore A. Beatini, Thomas L. Payne and Charles A. Kilvert.

I also wish to express my thanks and appreciation to other City Departments for the cooperation extended to this Department.

The successful operation of the Department is due to the untiring efforts of the Deputy Director, Division and Section Heads and their respective staffs, and my sincere thanks go to them for jobs well donw.

Contract work on the following named projects is in Progress:

Construction of Highways in sundry streets by Fanning & Doorley Construction Company.

Surfacing or reconstruction of highways by M. A. Gammino Construction Company.

Building sewers in sundry streets by D'Ercole Construction Company.

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

Construction of Sludge Incinerator by Ayers, Hagan and Booth, Inc.

Construction of Sludge Incinerator by Nichols Engineering and Research Corp.

Replacing Motors and Switchgear alterations at Ernest Street Pumping Station by the Coken Company.

Construction of Westminster Mall by Campanella and Cardi Construction Company.

#### RECOMMENDATIONS

The underside of the bridge in the Memorial, Market and Crawford Square areas should be repaired, scraped and painted. Plans for this work are being prepared by C. A. Maguire and Associates, Engrs.

The furnace and combustion chamber arch of Garbage Incinerator Unit No. 1 should be replaced.

The electric crane in Unit No. 1, which has been in service twenty-five years, should be overhauled. This work should be done under the supervision of an engineer from the Harnischfeger Corporation.

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

The defective pre-heater tubes in Garbage Incinerator Boilers No. 1, 2, 3 and 4 should be replaced. Also, a number of tubes in both condensers should be replaced.

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.

A number of ventilators should be installed in the roof of Plant No. 1, the smoke at times is very heavy and the working conditions of the hoppermen and cranemen are not good. This condition should be relieved for it is a health hazard, and the ventilators should exhaust the smoke.

The doors in front of both garbage pits should be renewed.

Arrangements for annual inspection of turbines is necessary through manufacture representative. This has not been done for four years.

A new water jacket should be installed in Plant No. 1, around charging hopper.

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 that one of the six 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.

A maintenance gang of one foremen 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 Street, Incinerator Buildings, Incinerator Garage, Sewer Maintenance Building, Highway Buildings, Forestry Buildings, 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 the 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 Sewer 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.

New sewage pumps are required for the Washington Park Pumping Station. A study of this situation is underway by the Engineers Office.

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:

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 and the Narragansett Brewery in the City of Cranston should be made. The rates should be revised upward to reflect the actual cost of providing this service.

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 by about August 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.

The Architectural Firm of Oresto DiSaia is at present working on plans and specifications for the rehabilitation of the buildings of the Sanitation Division. This work is to be paid for with the \$400,000.00 Bond authorized in 1964. The new pumps for the Washington Park Pumping Station will also be paid for out of the same Bond.

A two way power connection with an input-output meter should be provided between the Incinerator Power Plant and the Narragansett Electric Company's transmission lines in order to fully utilize the power capabilities of the Incinerator Power Plant. The estimated cost of making this connection is \$15,000.00.

An additional Chlorinator should be added to the present Chlorinators at the Sewage Treatment Plant for an estimated cost of \$8,000.00 to \$10,000.00.

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 runoff from Sanitary Sewage.

The Shop and Stores repair section should have a competent rated supervisor (Foreman or Master Mechanic) and with the addition of two good mechanics advantage of the Incinerator Garage Repair facilities could be taken.

Respectfully submitted

*Robert B. Strong*  
Robert B. Strong  
Director of Public Works

IN CITY COUNCIL  
JAN 4 - 1965

READ:  
WHEREUPON IT IS ORDERED THAT  
THE SAME BE RECEIVED.

*Vincent Vespia*  
CLERK

# BUSINESS MANAGEMENT OFFICE

Mr. Robert B. Strong  
Director of Public Works  
City Hall  
Providence, Rhode Island

Dear Sir:

I respectfully submit the Annual Report of the Business Management Office of the Department of Public Works for the Fiscal Year ended September 30, 1964.

## STATEMENT OF REVENUE - ESTIMATED AND ACTUAL

|  | <u>Budget<br/>Estimate</u> | <u>Net Actual<br/>Revenue</u> | <u>Budget<br/>Excess</u> | <u>Comparison<br/>Deficiency</u> |
|--|----------------------------|-------------------------------|--------------------------|----------------------------------|
| Business and Non-Business:               |                            |                               |                          |                                  |
| Licenses:                                |                            |                               |                          |                                  |
| Sidewalk Contractors                     | 600.00                     | 560.00                        |                          | 40.00                            |
| Highway Privileges                       | 1,200.00                   | 935.00                        |                          | 265.00                           |
| Total Business and Non-Business Licenses | 1,800.00                   | \$1,495.00                    |                          | \$305.00                         |
| Special Assessments:                     |                            |                               |                          |                                  |
| Sewers                                   | 20,000.00                  | 27,678.31                     | 7,678.31                 |                                  |
| Total Special Assessments                | \$20,000.00                | \$27,678.31                   | \$7,678.31               |                                  |
| Departmental Revenue:                    |                            |                               |                          |                                  |
| Engineering Office                       |                            | 77.00                         | 77.00                    |                                  |
| Sewage Pumping Station                   |                            | 10.55                         | 10.55                    |                                  |
| Sewage Disposal                          | 148,000.00                 | 155,447.83                    | 7,447.83                 |                                  |
| Garbage Collection and Disposal          | 24,000.00                  | 36,862.86                     | 12,862.86                |                                  |
| Refuse Collection and Disposal           |                            | 50.00                         | 50.00                    |                                  |
| Highways                                 | 28,000.00                  | 43,311.73                     | 15,311.73                |                                  |
| Bridge Maintenance                       |                            | 283.20                        | 283.20                   |                                  |
| Forestry                                 |                            | 2,258.79                      | 2,258.79                 |                                  |
| Sewer Const. & Maintenance               | 1,500.00                   | 942.92                        |                          | \$557.08                         |
| Street Lighting                          |                            | 104.50                        | 104.50                   |                                  |
| Municipal Docks                          | 310,000.00                 | 281,257.64                    |                          | 28,742.36                        |
| Draw Bridges                             |                            | 385.40                        | 385.40                   |                                  |
| Harbor Master                            |                            | 8.44                          | 8.44                     |                                  |
| Total Departmental Revenue               | \$511,500.00               | \$521,000.16                  | \$38,800.30              | \$29,299.44                      |
| Total Statement                          | \$533,300.00               | \$550,173.47                  | \$46,478.61              | \$29,604.44                      |

# STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1964

|                                       | PERSONAL<br>SERVICES | SERVICES<br>OTHER THAN<br>PERSONAL | MATERIALS<br>AND<br>SUPPLIES | SPECIAL<br>ITEMS | EQUIPMENT<br>OUTLAY | OTHER STRUC-<br>TURES AND<br>IMPROVEMENTS | TOTAL          |
|---------------------------------------|----------------------|------------------------------------|------------------------------|------------------|---------------------|---|----------------|
| General Administration                | 24,318.09            | 1,713.92                           | 114.36                       |                  |                     |   | 26,146.37      |
| Business Management                   | 35,863.91            | 353.33                             | 744.21                       |                  |                     |   | 36,961.45      |
| Engineering Office                    | 168,858.93           | 6,226.41                           | 1,021.70                     |                  | 888.11              |   | 176,995.15     |
| Sanitation Division                   |                      |                                    |                              |                  |                     |   |                |
| Sanitation Administration             | 13,535.01            | 5,203.60                           | 23.34                        |                  |                     |   | 18,761.95      |
| Street Cleaning                       | 267,134.87           | 78,778.38                          | 941.86                       |                  |                     |   | 346,855.11     |
| Sewage Pumping Station                | 70,139.65            | 1,852.43                           | 2,963.95                     |                  |                     |   | 74,956.03      |
| Sewage Disposal                       | 279,827.90           | 175,552.30                         | 149,341.03                   |                  | 8.59                |   | 604,729.82     |
| Garbage Collection & Disposal         | 615,643.01           | 221,413.82                         | 21,822.44                    | 1,250.53         |                     |   | 860,129.80     |
| Refuse Collection & Disposal          | 93,055.58            | 36,642.23                          | 2,226.96                     |                  |                     |   | 131,924.77     |
| Construction and Maintenance Division |                      |                                    |                              |                  |                     |   |                |
| Construction & Maintenance Admin.     | 6,606.50             | 657.40                             | 11.37                        |                  |                     |   | 7,275.27       |
| Highway                               | 616,556.30           | 165,943.41                         | 173,433.95                   |                  |                     | 150,000.00                                | 1,105,933.66   |
| Bridge Maintenance                    | 42,598.73            | 6,253.77                           | 11,504.01                    |                  |                     |   | 60,356.51      |
| Sidewalk and Curbing                  | 20,412.09            | 3,253.40                           | 2,398.96                     |                  |                     |   | 26,064.45      |
| Forestry                              | 77,836.18            | 18,877.06                          | 3,505.32                     |                  | 32.90               |   | 100,251.46     |
| Snow Removal                          | 154,551.29           | 108,800.72                         | 125,355.88                   |                  |                     |   | 388,707.89     |
| Sewer Construction and<br>Maintenance | 255,399.55           | 63,698.19                          | 16,171.49                    |                  | 312.50              | 125,000.00                                | 460,581.73     |
| Public Buildings                      | 90,050.38            | 10,941.58                          | 974.69                       |                  | 496.60              |   | 102,463.25     |
| Draw Bridges Operation                | 50,069.05            | 894.33                             | 602.49                       |                  |                     |   | 51,565.87      |
| Municipal Dock                        | 30,763.91            | 8,896.85                           | 1,794.69                     |                  |                     |   | 41,455.45      |
| Harbor Master                         | 3,862.41             | 122.71                             | 32.44                        |                  |                     |   | 4,017.56       |
| Street Lighting                       | 5,449.60             | 501,672.79                         | 4.16                         |                  |                     |   | 507,126.55     |
| Division of Relocation                | 44,581.39            | 8,577.19                           | 493.62                       |                  | 1,159.52            |   | 54,811.72      |
| Total-Public Works Activities         | \$2,967,114.33       | \$1,426,325.82                     | \$515,482.92                 | \$1,250.53       | \$2,898.22          | \$275,000.00                              | \$5,188,071.82 |



THE FOLLOWING SERVICES WERE ALSO RENDERED BY THIS DEPARTMENT

APPLICATIONS RECEIVED

|   |           |
|---|-----------|
| For Altering Curb Openings for Driveways    | 163       |
| Construction of Curb Openings for Driveways | 173       |
| Curbing Resets                              | <u>65</u> |
| Total Applications                          | 401       |

LICENSES ISSUED

|  |          |
|--|----------|
| Newspaper Stands                                     | 10       |
| Push Carts   | 9        |
| Sidewalk Stands                                      | 40       |
| Drain Layers Licenses                                | 7        |
| Drain Layers Licenses (Limited to Sprinkler Systems) | <u>4</u> |
| Total Licenses                                       | 70       |

PERMITS ISSUED

|  |            |
|--|------------|
| Public Utilities                       | 235        |
| Blasting                               | 0          |
| For Moving Cumbersome Equipment, etc.  | 1          |
| Street Openings (Water Supply Board)   | 237        |
| Original Permits for Sewer Connections | 205        |
| Extension of House Drains              | 337        |
| Sidewalk Openings for Water Service    | 15         |
| Street Openings (Other)                | <u>214</u> |
| Total Permits                          | 1244       |

Respectfully submitted,

Benjamin Cianciarulo

Business Management Office

ENGINEERING OFFICE

MR. ROBERT B. STRONG  
DIRECTOR OF PUBLIC WORKS  
CITY HALL-PROVIDENCE, R. I.

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING VARIOUS ACTIVITIES OF THE ENGINEERING OFFICE FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1964:

| <u>EXPENDITURES</u> |                              |                     |
|---------------------|------------------------------|---------------------|
| ITEM 0              | PERSONAL SERVICES            | \$208,835.12        |
| ITEM 1              | SERVICES OTHER THAN PERSONAL | 5,980.00            |
| ITEM 2              | MATERIALS AND SUPPLIES       | 800.00              |
| ITEM 5              | EQUIPMENT                    | 300.00              |
|                     |                              | <u>\$215,915.12</u> |

STREET LINE AND CITY PROPERTY SECTION

NOTICES OF INTENTION TO BUILD

THERE WERE 227 NOTICES OF INTENTION TO BUILD FILED IN THIS OFFICE DURING THE FISCAL YEAR. THIRTY SEVEN OF THESE WERE NOT REQUIRED FOR VARIOUS REASONS. IN RESPONSE TO THE REMAINING 190 NOTICES, THE STREET LINES WERE MARKED ON THE GROUND AS REQUESTED FOR SPECIFIED LOCATIONS.

FIELD SURVEYS ON THE 15 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> |
|-----------------|--|-----------------------|
| BEVERLY STREET  | WASHINGTON STREET TO FOUNTAIN STREET                             | 230.83                |
| CLARKSON STREET | ADMIRAL STREET, EASTERLY TO ITS<br>EASTERLY TERMINATION          | 535.49                |
| DIMARIO DRIVE   | JASPER STREET TO ITS NORTHERLY<br>TERMINATION                    | 367.31                |
| HAMLIN STREET   | PRESENT EASTERLY TERMINATION,<br>EASTERLY TO FREEWAY TAKING LINE | 103.40                |

|                  |  |         |
|------------------|--|---------|
| HYLESTEAD STREET | PAVILION AVENUE TO ITS NORTHERLY<br>TERMINATION  | 515.496 |
| JASPER STREET    | FROM THE PORTION PREVIOUSLY RECEIVED<br>EAST OF PARENTE STREET TO A POINT<br>SQUARE OPPOSITE THE TANGENT POINT OF<br>A CURVE AT THE NORTHEASTERLY CORNER OF<br>DIMARIO DRIVE AND JASPER STREET | 108.35  |
| LAKEVIEW DRIVE   | FROM A POINT 40 FEET SOUTH OF THE<br>SOUTHERLY LINE OF WESTMORE STREET,<br>NORTHERLY TO A POINT 177.70 FEET<br>NORTH OF THE NORTHERLY LINE OF<br>SWANTON STREET                                | 1006.83 |
| MARCONI STREET   | GALLILEO AVENUE TO ITS WESTERLY<br>TERMINATION   | 235.57  |
| NETOP DRIVE      | THURSTON STREET TO ITS SOUTHERLY<br>TERMINATION  | 961.70  |
| POTTER DRIVE     | HAMLIN STREET TO THURSTON STREET   | 483.39  |
| SPOKANE STREET   | CHARLES STREET TO ITS EASTERLY<br>TERMINATION  | 563.11  |
| SPOONER STREET   | STAMFORD AVENUE TO NETOP DRIVE   | 273.46  |
| STAMFORD AVENUE  | SPOONER STREET TO SOUTHERLY LINE<br>OF BISSELL STREET  | 238.67  |
| SWANTON STREET   | NIANTIC AVENUE TO LAKEVIEW DRIVE   | 341.10  |
| THURSTON STREET  | FROM THE WESTERLY LINE OF POTTER<br>DRIVE, EASTERLY TO THE FREEWAY<br>TAKING LINE  | 289.55  |
| TOBYHANNA STREET | NIANTIC AVENUE TO LAKEVIEW DRIVE   | 453.56  |
| TOGANSETT ROAD   | NIANTIC AVENUE TO LAKEVIEW DRIVE   | 607.77  |
| TRUTH STREET     | NELLIE STREET TO ITS NORTHERLY<br>TERMINATION  | 183.00  |
| WESTMORE STREET  | NIANTIC AVENUE TO LAKEVIEW DRIVE   | 612.52  |

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR <sup>TOTAL</sup> 8111.10

RECEIVED STREETS ABANDONED 1.54 MILES

| <u>NAME</u>    | <u>BETWEEN POINTS</u>                 | <u>LENGTH IN FEET</u> |
|----------------|---------------------------------------|-----------------------|
| BARCLAY STREET | ATWELLS AVENUE TO FEDERAL STREET      | 320.00                |
| CODDING STREET | CRANSTON STREET TO WESTMINSTER STREET | 826.11                |
| CODDING STREET | BOOTH STREET TO CENTRAL STREET        | 214.00                |
| CORY STREET    | ATWELLS AVENUE TO FEDERAL STREET      | 320.00                |

|                 |                                       |               |
|-----------------|---------------------------------------|---------------|
| DODGE STREET    | CRANSTON STREET TO WESTMINSTER STREET | 978.61        |
| KNIGHT STREET   | CRANSTON STREET TO LESTER STREET      | 160.63        |
| LESTER STREET   | A STREET TO PEARL STREET              | 546.4         |
| LOCKWOOD STREET | PLAIN STREET TO HOSPITAL STREET       | 1240.25       |
| POND STREET     | WINTER STREET TO PEARL STREET         | 266.79        |
| SAUNDERS STREET | LESTER STREET TO PERKINS STREET       | <u>221.99</u> |
|                 | TOTAL                                 | 5094.78 FEET  |
|                 |                                       | .965 MILES    |

UNRECEIVED STREETS ABANDONED

|                   |   |               |
|-------------------|---|---------------|
| BANK STREET       | WESTMINSTER STREET TO POND STREET   | 251.10        |
| BISSELL STREET    | STAMFORD AVENUE TO ITS EASTERLY TERMINATION   | 67.55         |
| FALCON STREET     | WESTMINSTER STREET TO POND STREET   | 250.4         |
| MONTCALM COURT    | WINTER STREET TO SPRING STREET  | 301.1         |
| MUNROE STREET     | LESTER STREET TO PERKINS STREET   | 222.9         |
| RUTHERGLEN AVENUE | FROM A POINT 164.72 FEET MORE OR LESS WEST OF THE WESTERLY LINE OF PARKMAN STREET, WESTERLY TO ITS FORMER TERMINATION | 89.00         |
| SALMON STREET     | FROM A POINT 330 FEET SOUTH OF KING STREET TO ITS SOUTHERLY TERMINATION   | <u>492.00</u> |
|                   | TOTAL   | 1674.05 FEET  |
|                   |   | .317 MILES    |

THE APPROXIMATE LENGTH OF STREETS PLATTED BUT NOT RECEIVED IS 41.8406 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 1964 (MEASURED ALONG PROPERTY LINES) 369.574 MILES.

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:

|                 |  |
|-----------------|--|
| VICTORIA STREET | FROM FORMER NORTHERLY TERMINATION TO GALLILEO AVENUE |
|-----------------|--|

|                 |  |
|-----------------|--|
| GALLILEO AVENUE | FROM FORMER NORTHERLY TERMINATION,<br>NORTHEASTERLY TO STANDISH AVENUE |
| POTTER DRIVE    | FROM HAMLIN STREET TO THURSTON STREET                                  |
| HAMLIN STREET   | FROM FORMER EASTERLY TERMINATION, EASTERLY<br>TO FREEWAY LINE          |
| THURSTON STREET | FROM FORMER EASTERLY TERMINATION, EASTERLY<br>TO FREEWAY LINE          |
| NETOP DRIVE     | FROM THURSTON STREET TO ITS SOUTHERLY<br>TERMINATION                   |
| SPOONER STREET  | FROM STAMFORD AVENUE TO NETOP DRIVE                                    |

CITY PROPERTY PLANS AND SURVEYS WERE MADE COVERING THE FOLLOWING PROJECTS:

|  |                                    |
|--|------------------------------------|
| POINT JUDITH   | PROPOSED PURCHASE                  |
| TRIGGS PARK  | PROPOSED CONVEYANCE                |
| TRIGGS PARK (ADJOINING)                                | PROPOSED CONVEYANCE (SCHOOL DEPT.) |
| PLAINFIELD AND NANCY STREETS                           | PROPOSED HIGHWAY                   |
| MT. PLEASANT STADIUM AREA                              | PROPOSED STREET PATTERN            |
| ELTON STREET AND BLACKSTONE<br>BLVD.                   | SURVEY OF SMITH ESTATE PROPERTY    |
| BEL AIR DRIVE  | ZONING CHANGE                      |
| CLARKSON STREET  | PORTION TO BE DEEDED FOR HIGHWAY   |
| KENNEDY PLAZA  | SHOWING LOCATIONS                  |
| ALDRICH AT NORTH WEST CORNER<br>OF RUGBY STREET        | PROPOSED SALE                      |
| ALDRICH STREET AT SOUTH WEST<br>CORNER OF RUGBY STREET | PROPOSED SALE                      |
| ERNEST STREET AND ALLENS AVENUE                        | PUMPING STATION                    |
| LLOYD AVENUE   | ZONING CHANGE                      |
| WOONASQUATUCKET AVENUE                                 | ZONING CHANGE                      |
| FLORENCE STREET  | RE-LOCATION OF FENCE               |
| NEUTACONKANUT PARK                                     | CROSS SECTIONS OF PORTION          |
| ALVIN STREET   | CONDEMNATION FOR HIGHWAY PURPOSES  |
| RESERVOIR AVENUE                                       | CONDEMNATION FOR HIGHWAY PURPOSES  |

|   |   |
|---|---|
| DOWNING STREET  | CONDEMNATION FOR HIGHWAY PURPOSES       |
| KINSLEY AND HARRIS AVENUES  | RENEWAL OF LEASE                        |
| POND STREET   | PROPOSED ABANDONMENT OF PORTION         |
| CATO STREET   | STRIP DEEDED FOR HIGHWAY PURPOSES       |
| BISSELL STREET  | ABANDONMENT OF PORTION                  |
| NETOP DRIVE AND THURSTON STREET                                     | PROPOSED SALE                           |
| POTTER DRIVE  | PROPOSED SALE                           |
| HAMLIN STREET AND POTTER DRIVE                                      | PROPOSED SALE                           |
| SPOONER STREET AND NETOP DRIVE                                      | PROPOSED SALE                           |
| WORCESTER STREET  | PROPOSED ABANDONMENT (PORTION)          |
| HELEN STREET  | PROPOSED ABANDONMENT (PORTION)          |
| SPOONER STREET  | PROPOSED SALE                           |
| NETOP DRIVE   | PROPOSED SALE                           |
| UNNAMED COURT   | PROPOSED ABANDONMENT                    |
| RUTHERGLEN AVENUE   | PROPOSED ABANDONMENT                    |
| FIELD'S POINT   | OPTION TO LEASE (WILSON CO.)            |
| BARCLAY AND CORY STREETS  | PROPOSED ABANDONMENT                    |
| LOCKWOOD STREET   | PROPOSED ABANDONMENT                    |
| ROANOKE STREET (OFF)  | PROPOSED SEWER EASEMENT                 |
| THURSTON STREET   | PROPOSED SALE                           |
| NETOP DRIVE   | PROPOSED SALE                           |
| SWANTON STREET  | LAKEVIEW DRIVE TO NIAN TIC AVENUE       |
| NEW YORK AVENUE   | PROPOSED PURCHASE (BERRY HILL LAND CO.) |
| MOORE STREET  | PROPOSED ABANDONMENT (PORTION)          |
| SUPERIOR STREET   | PROPOSED ABANDONMENT (PORTION)          |
| UNNAMED GANGWAY<br>(BETWEEN MARINO STREET AND)<br>(ALVERSON AVENUE) | PROPOSED ABANDONMENT                    |
| MANTON AVENUE   | ZONING PLAN                             |
| GRANT AND CARPENTER STREETS   | ZONING PLAN                             |

WEYBOSSET HILL PROJECT                      ZONING PLAN

NETOP, SPOONER, BISSELL,  
STAMFORD AND HATHAWAY STREETS              ZONING PLAN

WESTMINSTER AND PARADE STREETS            ZONING PLAN

ALDRICH STREET                              ZONING PLAN

TRIGGS MEMORIAL PARK                      RECREATION FIELD

ROGER WILLIAMS PARK                      PORTION CONDEMNED FOR ROUTE 95

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

|                    |  |
|--------------------|--|
| KLONDIKE STREET    | HERSCHEL STREET TO A POINT 197.80 WESTERLY                         |
| BEL AIR DRIVE      | WOONASQUATUCKET AVENUE TO A POINT 160.0<br>WEST OF HERSCHEL STREET |
| CHRISTOPHER STREET | CHARLES TO WINDMILL STREET   |
| COLLYER STREET     | CEMETARY STREET TO MATILDA STREET                                  |
| RIDGEWAY AVENUE    | 234.2 FEET EAST OF MANTON AND HILLCREST AVENUES                    |
| ATKINS STREET      | REGENT AVENUE TO ITS NORTHERLY TERMINATION                         |
| PARENTE STREET     | SMART STREET TO ITS NORTHERLY TERMINATION                          |

THE FOLLOWING PLANS WERE DRAWN FOR THE OFFICIAL FILES OF THE CITY CLERK:

|                                 |  |
|---------------------------------|--|
| MYSTIC STREET                   | PRAIRIE AVENUE TO ITS EASTERLY TERMINATION   |
| ALGONQUIN STREET                | PROPOSED ABANDONMENT (PORTION)   |
| ARDOENE STREET                  | PROPOSED ABANDONMENT (PORTION)   |
| HOWELL, SCOTT AND FLINT STREETS | PROPOSED ABANDONMENT (PORTION)   |
| BYRON STREET                    | PROPOSED ABANDONMENT (BROAD STREET-PINE STREET)  |
| MARY STREET                     | PROPOSED ABANDONMENT (LOCKWOOD STREET-BORDEN STREET)                                   |
| CARVEL STREET                   | PROPOSED ABANDONMENT (HILLCREST AVENUE-)<br>(BRUSH HILL ROAD)                          |
| MASHAUG PARK PROJECT            | PROPOSED ABANDONMENT   |
| TUXEDO AVENUE                   | PROPOSED ABANDONMENT (PORTION 200.0 SOUTH OF)<br>(AMHERST AVENUE 125.0)<br>(SOUTHERLY) |
| MATHEWSON STREET                | PROPOSED ABANDONMENT (PORTION)   |
| NIAGARA STREET                  | DEDICATED FOR HIGHWAY PURPOSES (PORTION)   |
| CAMP STREET                     | PROPOSED ABANDONMENT (PORTION)   |

|                              |   |
|------------------------------|---|
| CAMP STREET                  | PROPOSED ABANDONMENT (PORTION)  |
| CLAY STREET                  | PROPOSED ABANDONMENT (PORTION)  |
| WILD STREET                  | PROPOSED ABANDONMENT (PORTION)  |
| LESTER STREET                | PROPOSED ABANDONMENT (PORTION)  |
| CODDING STREET               | PROPOSED ABANDONMENT (PORTION)  |
| ORANGE STREET                | PROPOSED ABANDONMENT (PORTION)  |
| KNIGHT STREET                | PROPOSED ABANDONMENT (PORTION)  |
| PRIVATE GANGWAY              | PROPOSED ABANDONMENT (BETWEEN DORRANCE AND EDDY)<br>(STREETS, NORTH OF CLIFFORD)<br>(STREET AND SOUTH OF FRIEND--)<br>(SHIP STREET) |
| DIAZ STREET                  | PROPOSED ABANDONMENT (PORTION)  |
| MERRILL STREET               | PROPOSED ABANDONMENT (PORTION)  |
| FIELD STREET                 | PROPOSED ABANDONMENT (PORTION)  |
| MARTHA AND HAYDEN STREETS    | PROPOSED ABANDONMENT (PORTION)  |
| DYER AND DORRANCE STREETS    | PROPOSED ABANDONMENT (PORTION)  |
| WRISTON DRIVE                | COLE AVENUE TO WESTERLY TERMINATION   |
| RAGOSTA STREET               | PROPOSED ABANDONMENT  |
| FIELD'S POINT                | OPTION TO LEASE (GEORGE MANN CO.)   |
| BLACKSTONE STREET BATH HOUSE | PROPOSED SALE   |
| MT. PLEASANT STADIUM PLAT    | PROPOSED PLAT OF CITY LAND  |

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:

CARPENTER STREET  
GRANT STREET  
DORRANCE STREET  
FOUNTAIN STREET  
BOURN STREET  
FRANKLIN STREET  
BROAD STREET  
CLAVERICK STREET  
PINE STREET  
CHESTNUT STREET  
GREENE STREET  
MATHEWSON STREET  
NETOP DRIVE  
STAMFORD AVENUE  
SPOONER STREET



BISSELL STREET  
HATHAWAY STREET  
WESTMINSTER STREET  
PARADE STREET  
ALDRICH STREET

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

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

WINCHESTER STREET  
BURLEIGH STREET  
VEAZIE STREET  
SHILOH STREET  
HOBART STREET  
BEL AIR DRIVE  
HYACINTH STREET  
TURNER STREET  
LLOYD AVENUE  
WESTMINSTER STREET  
WOONASQUATUCKET AVENUE  
ADELAIDE AVENUE  
NIAGARA STREET  
HAMILTON STREET  
NO. MAIN STREET  
ALDRICH STREET  
EMERSON STREET  
ROCHAMBEAU AVENUE  
STEELE STREET  
BRANCH AVENUE  
ADELAIDE AVENUE  
DERRY STREET  
LANCASTER STREET

#### NORTH BURIAL GROUND

DURING THE YEAR 49 DEEDS TO LOTS CONVEYED BY THE CITY AND 52 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 TWO 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 REESTABLISHED, 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 CO. AND THE TELEPHONE CO. IN SETTING NEW POLES.

SURVEYS WERE MADE AND PLANS DRAWN FOR PROPOSED STREET WIDENINGS.

A SURVEY AND CROSS SECTION WAS MADE AND PLANS DRAWN FOR PROPOSED SWIMMING POOL AT NEUTACONKANUT PARK.

A SURVEY WAS MADE FOR PROPOSED NEW LEASES AT FIELDS POINT.

A SURVEY WAS MADE FOR LOCATION OF SHORE LINE AT FIELDS POINT.

SEVERAL PLANS WERE DRAWN TO ASSIST THE CITY CLERK'S OFFICE IN ACCORDANCE WITH CITY COUNCIL ORDINANCES.

MAPS WERE MADE AND CHARTS PREPARED FOR SNOW REMOVAL ROUTES.

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 ACCIDENT AND MURDER CASES.

THE ANNUAL CHART SHOWING THE INCIDENCE OF CERTAIN CONTAGIOUS DISEASES WAS PREPARED FOR THE USE OF THE HEALTH DEPARTMENT.

THE ANNUAL TABULATION OF ALL REAL ESTATE OWNED BY THE CITY, SHOWING THE SEVERAL CLASSIFICATIONS ACCORDING TO USAGE, INCLUDING CURRENT VALUATIONS FURNISHED BY THE CITY ASSESSORS WAS PREPARED AND GIVEN TO THE CITY CONTROLLER FOR INCLUSION IN THE CONTROLLER'S ANNUAL REPORT.

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 TO 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, TAX ASSESSOR'S OFFICE, REDEVELOPMENT AGENCY, WATER DEPARTMENT AND BUILDING INSPECTION DIVISION, FROM TIME TO TIME.

SURVEYS WERE MADE FOR LEASES OF CITY-OWNED LAND AT FIELDS POINT.

A SURVEY WAS MADE TO LOCATE THE STATE HARBOUR LINE AT FIELDS POINT.

LINES WERE ESTABLISHED ON WARDLAW COURT AT THE REQUEST OF THE SEWER DEPARTMENT.

SURVEYS WERE MADE AND ELEVATIONS WERE TAKEN AT THE NEW DEVELOPMENT AT ROGER WILLIAMS PARK FOR SEWER, GAS AND WATER LINES AND POLE LOCATIONS FOR N. E. TELEPHONE CO. GRADES WERE MARKED AND LINES ESTABLISHED ON THE FOLLOWING STREETS:

|                 |   |
|-----------------|---|
| POTTER DRIVE    | FROM HAMLIN STREET TO THURSTON STREET             |
| NETOP DRIVE     | FROM THURSTON STREET TO ITS SOUTHERLY TERMINATION |
| THURSTON STREET | FROM STAMFORD AVENUE TO ITS EASTERLY TERMINATION  |
| SPOONER STREET  | FROM STAMFORD AVENUE TO NETOP DRIVE               |
| STAMFORD AVENUE | FROM SPOONER STREET TO ITS SOUTHERLY TERMINATION  |

A SURVEY WAS MADE AND PLANS WERE DRAWN SHOWING THE RELOCATION OF GRAVES AT NORTH BURIAL GROUND IN CONNECTION WITH ROUTE 95 CONDEMNATION.

A SURVEY WAS MADE AT THE MANTON AVE. DUMP FOR LOCATION OF SEWER EASEMENT.

A SURVEY AND CROSS SECTION WAS MADE AND PLANS WERE DRAWN FOR NEW PLAYGROUND AT FIELDS POINT.

A SURVEY WAS MADE AND PLANS WERE DRAWN FOR THE LOCATION OF A FENCE ON CITY-OWNED LAND ON MANTON AVENUE.

ELEVATIONS WERE TAKEN FOR PUBLIC BUILDINGS DEPT. AT ERNEST STREET GARAGE.

A SURVEY WAS MADE AND PLANS WERE DRAWN FOR LOCATION OF HARBOUR LINE AND CITY LINES OF PROVIDENCE AND EAST PROVIDENCE.

A SURVEY WAS MADE AT OBADIAH BROWN PLAYGROUND AND LAND ADJACENT TO TRIGGS MEMORIAL GOLF COURSE.

LINES WERE MARKED FOR RELOCATION OF POLES FOR FIRE ALARM SYSTEM AT ROGER WILLIAMS PARK.

A SURVEY WAS MADE FOR THE NEW LOCATION OF GALLILEO AVE. AND PLANS WERE DRAWN SHOWING THE SEWER LINES IN THE AREA.

LINES AND GRADES WERE MARKED FOR WATER DEPARTMENT ON WARDLAW COURT.

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

|                   |  |
|-------------------|--|
| CHALKSTONE AVENUE | FROM CHARLES STREET TO SISSION STREET                |
| CHARLES STREET    | FROM BRANCH AVENUE TO CITY LINE                      |
| JASTRAM STREET    | FROM WHITFORD AVENUE TO PLEASANT VALLEY PKWY         |
| ADMIRAL STREET    | FROM HOPKINS PARK TO ANGLE NORTH OF LONGMONT STREET. |
| SHARON STREET     | FROM WHITFORD AVENUE TO PLEASANT VALLEY PKWY         |

LINES WERE ESTABLISHED ON BISSELL STREET AND LEGION MEMORIAL DRIVE AND DIMARIO DRIVE AT THE REQUEST OF THE SEWER DEPARTMENT.

ELEVATIONS WERE TAKEN AND PLANS DRAWN FOR PUBLIC BUILDING'S DEPARTMENT AT THE SUMMIT AVENUE SCHOOL FOR CONSTRUCTING NEW WALL.

COMPUTATIONS FOR CUR AND FILL AT THE ROGER WILLIAMS PARK PLAT WERE MADE.

DURING THE YEAR EXTENSIVE WORK WAS DONE FOR THE BOARD OF CANVASSERS AND REGISTRATION IN PREPARING TABULATION CHARTS FOR PRIMARY AND REGULAR ELECTIONS.

### 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 163 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 NINETEEN STREETS COVERING SIXTEEN 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 1,092 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.

PLANS AND SPECIFICATIONS, ENGINEERING FIELD WORK AND INSPECTION 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> |
|------------------|-----------------------------------|---------------------|
| ALEXANDER STREET | SANTIAGO STREET TO ROUNDS AVENUE  | 1,583               |
| ALICANT STREET   | VETO STREET TO DOUGLAS AVENUE     | 432                 |
| ANDEM STREET     | ACADEMY AVENUE TO BERGEN STREET   | 3,459               |
| ARLINGTON AVENUE | FREEMAN PARKWAY TO LLOYD AVENUE   | 4,697               |
| ARNOLD STREET    | BENEFIT STREET TO GOVERNOR STREET | 5,796               |
| BERLIN STREET    | CHALKSTONE AVENUE TO ANDEM STREET | 1,820               |

|                   |   |        |
|-------------------|---|--------|
| CALIFORNIA AVENUE | EDDY STREET TO NARRAGANSETT BLVD.         | 5,707  |
| CHURCH STREET     | NORTH MAIN STREET TO BENEFIT STREET       | 437    |
| CLEMATIS STREET   | CHALKSTONE AVENUE TO MOLLOY STREET        | 1,499  |
| CONCANNON STREET  | VEAZIE STREET TO MOY STREET               | 500    |
| COVELL STREET     | AMHERST STREET TO ATWELLS AVENUE          | 1,687  |
| CYR STREET        | BROAD STREET TO ROGER WILLIAMS PARK       | 2,568  |
| ELEVENTH STREET   | HIGHLAND AVENUE TO TOP STREET             | 1,520  |
| ERASTUS STREET    | AMHERST STREET TO CHAUCER STREET          | 4,507  |
| ERNEST STREET     | ALLENS AVENUE TO ELLIS STREET             | 1,667  |
| ETHAN STREET      | DANIEL AVENUE TO FARMINGTON AVENUE        | 5,359  |
| FAIRVIEW STREET   | PARNELL STREET TO GRAY STREET             | 478    |
| FAIRVIEW STREET   | CARLETON STREET TO PEMBERTON STREET       | 1,373  |
| FIFTH STREET      | NORTH MAIN STREET TO HIGHWAND AVENUE      | 1,403  |
| FREMONT STREET    | GOVERNOR STREET TO GANO STREET            | 3,337  |
| GRAPE STREET      | ADMIRAL STREET TO CERES STREET            | 830    |
| HALL STREET       | LEDGE STREET TO NORTHUP AVENUE            | 2,453  |
| HAUXHURST STREET  | POCASSET AVENUE TO MAGDALENE STREET       | 1,418  |
| HAZAEI STREET     | ADMIRAL STREET TO DOUGLAS AVENUE          | 4,197  |
| HIGHLAND AVENUE   | FOURTH STREET TO SIXTH STREET             | 1,699  |
| HIGHLAND AVENUE   | NINTH STREET TO ELEVENTH STREET           | 1,620  |
| HILLVIEW AVENUE   | BRADLEY STREET TO ADMIRAL STREET          | 2,149  |
| HOLLIS STREET     | DIAMOND STREET TO CRANSTON STREET         | 1,736  |
| HOME AVENUE       | CHALKSTONE AVENUE TO MALLOY STREET        | 1,744  |
| HOPE STREET       | WICKENDEN STREET TO GEORGE M. COHAN BLVD. | 935    |
| JOHN STREET       | GOVERNOR STREET TO HOPE STREET            | 2,346  |
| JOSLIN STREET     | AMHERST STREET TO ATWELLS AVENUE          | 1,605  |
| KIMBALL STREET    | CHALKSTONE AVENUE TO METROPOLITAN ROAD    | 4,077  |
| LABAN STREET      | MERINO STREET TO HEATH STREET             | 7,391  |
| LANGDON STREET    | BRANCH AVENUE TO CITY LINE                | 11,008 |
| LAUREL COURT      | LAUREL AVENUE TO EVERETT                  | 688    |
| LAWN STREET       | CHALKSTONE AVENUE TO GLOVER STREET        | 2,334  |
| LINDEN DRIVE      | COLE AVENUE TO EASTERLY TERMINATION       | 1,377  |
| LOVEDAY STREET    | VEAZIE STREET TO ADMIRAL STREET           | 1,301  |
| LUCY STREET       | CLOUD STREET TO ALMIRA AVENUE             | 1,301  |
| MAWNEY STREET     | ELMWOOD AVENUE TO DEXTER STREET           | 3,103  |
| MCMILLEN STREET   | HALL STREET TO SIRAVO STREET              | 498    |
| MOLLOY STREET     | ACADEMY AVENUE TO ROWAN STREET            | 2,196  |
| MOOREFIELD STREET | POCASSET AVENUE TO PLAINFIELD STREET      | 6,141  |
| MOY STREET        | BRANCH AVENUE TO CONCANNON STREET         | 767    |
| MURRAY STREET     | PLAINFIELD STREET TO SOPHIA STREET        | 4,744  |
| NEWARD STREET     | ACADEMY AVENUE TO VALLEY STREET           | 3,660  |
| OPPER STREET      | BRANCH AVENUE TO NAHANT STREET            | 1,536  |
| OXFORD STREET     | EDDY STREET TO ALLENS AVENUE              | 3,842  |
| PARNELL STREET    | ATWELLS AVENUE TO CLOUD STREET            | 3,590  |
| PETTEYS AVENUE    | HARTFORD AVENUE TO KILLINGLY STREET       | 6,738  |
| PRESIDENT AVENUE  | GROTTO AVENUE TO COLE AVENUE              | 4,409  |
| PRESTON STREET    | GOVERNOR STREET TO GANO STREET            | 2,552  |
| REDWING STREET    | ELMWOOD AVENUE TO BUCKLIN STREET          | 797    |
| RILL STREET       | VALLEY STREET TO ALLSTON STREET           | 2,106  |
| RIVER AVENUE      | HYMER STREET TO ADMIRAL STREET            | 2,864  |
| SIBLEY STREET     | ALGONQUIN STREET TO CRESCENT STREET       | 1,102  |
| SISSON STREET     | ACTINIA STREET TO ALMIRA AVENUE           | 1,578  |
| SIXTH STREET      | NORTH MAIN STREET TO HIGHLAND AVENUE      | 1,509  |
| SLATER AVENUE     | IRVING AVENUE TO LLOYD AVENUE             | 1,427  |
| STAR STREET       | NORTH MAIN STREET TO BENEFIT STREET       | 386    |
| STEERE AVENUE     | AMHERST STREET TO MANTON AVENUE           | 1,006  |
| SUMMIT AVENUE     | SEVENTH STREET TO TENTH STREET            | 2,097  |
| TRANSIT STREET    | GOVERNOR STREET TO EAST STREET            | 923    |
| UNION AVENUE      | POCASSET AVENUE TO PLAINFIELD STREET      | 7,173  |

|                  |                                   |         |
|------------------|-----------------------------------|---------|
| VETO STREET      | ADMIRAL STREET TO ALICANT STREET  | 1,297   |
| YORKSHIRE STREET | HAWKINS STREET TO LONGMONT STREET | 3,627   |
|                  | TOTAL                             | 171,706 |

SPECIAL HIGHWAY RECONSTRUCTION BY CITY OF PROVIDENCE UNDER CONTRACT

| <u>STREET</u>         | <u>TYPE BITUMINOUS CONCRETE</u>  | <u>SQUARE YARDS</u> |
|-----------------------|--|---------------------|
| ATWELLS AVENUE        | GILES PLACE TO VALLEY STREET   | 4,180               |
| BATH STREET           | CHALKSTONE AVENUE TO PROMENADE STREET                                  | 5,761               |
| BRIGHTON STREET       | COURTLAND STREET TO VINTON STREET                                      | 2,350               |
| BROAD STREET          | FARRAGUT AVENUE TO CITY LINE   | 5,456               |
| BROAD STREET          | PENNSYLVANIA AVENUE TO SASSAFRAS STREET                                | 8,373               |
| BROAD STREET          | AT PUBLIC STREET   | 942                 |
| CARTER STREET         | ELMWOOD AVENUE TO A POINT EAST OF HUNTINGTON AVENUE                    | 1,745               |
| DANIEL AVENUE         | POCASSET AVENUE TO PLAINFIELD STREET                                   | 5,888               |
| KENNEDY PLAZA         | DORRANCE STREET TO MEMORIAL SQUARE                                     | 16,781              |
| KNIGHT STREET         | ATWELLS AVENUE TO BROADWAY   | 4,878               |
| MARKET SQUARE         | NORTH MAIN STREET TO SOUTH WATER STREET                                | 941                 |
| MESSER STREET         | WESTMINSTER STREET TO CRANSTON STREET                                  | 9,503               |
| NORTH MAIN STREET     | COLLEGE STREET TO STEEPLE STREET                                       | 3,484               |
| PUBLIC STREET         | BROAD STREET TO A POINT 190 FT. WESTERLY                               | 641                 |
| RATHBONE STREET       | PROMENADE STREET TO VALLEY STREET                                      | 2,512               |
| ROBERT EMMETT SQ.     |  | 4,067               |
| ROGER WILLIAMS AVENUE | NARRAGANSETT AVE. TO RESERVOIR AVE.                                    | 7,006               |
| SOUTH MAIN STREET     | COLLEGE STREET TO PACKET STREET  | 4,478               |
| STATE STREET          | SMITH STREET TO ORMS STREET  | 3,396               |
| UNION AVENUE          | MESSER STREET TO A POINT 40 FT. WEST OF LINWOOD AVENUE                 | 4,791               |
| WATERMAN STREET       | 189 FT. EAST OF BUTLER AVENUE TO A POINT 466 FT. EAST OF BUTLER AVENUE | 984                 |
| WEST EXCHANGE STREET  | ATWELLS AVENUE TO A POINT 65 FT. WEST OF ACORN STREET                  | 4,320               |
|                       | TOTAL UNDER CONTRACT TO M. A. GAMMIND CONST. CO.                       | 102,477             |

PLANS AND SPECIFICATIONS, ENGINEERING FIELD WORK AND INSPECTION WERE FURNISHED FOR THE GRADING, CURBING, AND CONSTRUCTION OF THE FOLLOWING STREETS:

BY NARRAGANSETT IMPROVEMENT COMPANY

| <u>STREET</u>   | <u>TYPE-BITUMINOUS CONCRETE</u>                                 | <u>SQUARE YARDS</u> |
|-----------------|---|---------------------|
| BEL AIR DRIVE   | WOONASQUATUCKET AVE. TO A POINT 160 FT. WEST OF HERSCHEL STREET | 1,529               |
| GREELEY STREET  | HAGAN STREET TO A POINT 80 FT. SOUTH OF ALASKA STREET           | 1,824               |
| GREELEY STREET  | AVENTINE AVENUE WEST TO ANGLE                                   | 353                 |
| KLONDIKE STREET | HERSCHEL STREET TO A POINT 197 FT. WESTERLY                     | 519                 |
| RIDGEWAY AVENUE | HILL CREST AVENUE TO A POINT 243.2 FT. EAST OF MANTON AVENUE    | 1,766               |
|                 | TOTAL UNDER CONTRACT TO NARRAGANSETT IMPROVEMENT CO.            | 5,991               |

BY M. A. GAMMIND CONSTRUCTION COMPANY

|                |  |       |
|----------------|--|-------|
| ATKINS STREET  | REGENT AVENUE TO NORTHERLY TERMINATION             | 779   |
| GREELEY STREET | 80 FT. SOUTH OF ALASKA STREET TO ROBIN BROOK SEWER | 1,992 |

|  |  |              |
|--|--|--------------|
| LAKEVIEW DRIVE                                   | 40 FT. SOUTH OF WESTMORE STREET TO A POINT |              |
|  | 177.7 FT. NORTH OF SWANTON STREET          | 2,715        |
| SWANTON STREET                                   | NIANTIC AVENUE TO LAKEVIEW DRIVE           | 944          |
| TOBYHANNA STREET                                 | NIANTIC AVENUE TO LAKEVIEW DRIVE           | 1,252        |
| TOGANSETT ROAD                                   | NIANTIC AVENUE TO LAKEVIEW DRIVE           | 1,702        |
| TRUTH STREET                                     | NELLIE STREET TO NORTHERLY TERMINATION     | 412          |
| WESTMORE STREET                                  | NIANTIC AVENUE TO LAKEVIEW DRIVE           | <u>1,708</u> |
| TOTAL UNDER CONTRACT TO M. A. GAMMINO CONST. CO. |  | 11,504       |

#### RECAPITULATION

|  |               |
|--|---------------|
| BY NARRAGANSETT IMPROVEMENT COMPANY          | 5,991         |
| BY M. A. GAMMINO CONST. COMPANY              | <u>11,504</u> |
| TOTAL FOR STREETS CONSTRUCTED UNDER CONTRACT | 17,495        |

CONSTRUCTION WAS IN PROGRESS IN THE FOLLOWING STREETS ON SEPTEMBER 30, 1963

|                   |   |
|-------------------|---|
| BEVERLY STREET    | FOUNTAIN STREET TO WASHINGTON STREET                    |
| CLARKSON STREET   | ADMIRAL STREET TO EASTERLY TERMINATION                  |
| CROYLAND ROAD     | POTTERS AVENUE TO OXFORD STREET                         |
| DIMARIO DRIVE     | JASPER STREET TO NORTHERLY TERMINATION                  |
| DUDLEY STREET     | PLAIN STREET TO FRIENDSHIP STREET                       |
| HAWTHORNE STREET  | ELMWOOD AVENUE TO VINEYARD STREET                       |
| JASPER STREET     | PORTION ALREADY PAVED TO EASTERLY LINE OF DIMARIO DRIVE |
| JOHNSON STREET    | RUGBY STREET TO EDDY STREET                             |
| PAYTON STREET     | BROAD STREET TO ROGER WILLIAMS PARK                     |
| PUBLIC STREET     | EDDY STREET TO A POINT 80 FT. WEST OF I-95              |
| SARATOGA STREET   | BROAD STREET TO BAXTER STREET                           |
| SAYLES STREET     | PRAIRIE AVENUE TO GORDON AVENUE                         |
| SOMERSET STREET   | PINE STREET TO BROAD STREET                             |
| SPOKANE STREET    | CHARLES STREET TO EASTERLY TERMINATION                  |
| WARRINGTON STREET | NIAGARA STREET TO BROAD 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<br/>ORDERED</u> | <u>LENGTH IN<br/>FEET</u> |
|------------------|-------------------------------|-------------------------|---------------------------|
| CARY STREET      | ALLENS AVENUE TO EAST LINE    |                         |                           |
|                  | UNNAMED STREET                | DEC. 5, 1940            | 276                       |
| CUTLER STREET    | NEWARD STREET TO ATWELLS AVE. | AUG. 7, 1952            | 206                       |
| HAMLIN STREET    | PRESENT EASTERLY TERMINATION  |                         |                           |
|                  | TO THE FREEWAY TAKING LINE    | MAR. 19, 1964           | 103                       |
| HYLESTEAD STREET | PAVILION AVE. TO NORTHERLY    |                         |                           |
|                  | TERMINATION                   | DEC. 5, 1963            | 528                       |
| JOY STREET       | RIVER AVENUE TO WESTERLY      |                         |                           |
|                  | TERMINATION                   | DEC. 6, 1954            | 400                       |
| MARCONI STREET   | GALLILEO AVE. TO WESTERLY     |                         |                           |
|                  | TERMINATION                   | JUNE 4, 1964            | 245                       |
| NETOP DRIVE      | THURSTON STREET TO SOUTHERLY  |                         |                           |
|                  | TERMINATION                   | MAR. 19, 1964           | 970                       |
| PLATTED STREET   | CARY STREET TO GLOBE STREET   | DEC. 5, 1940            | 117                       |
| POTTER DRIVE     | HAMLIN STREET TO THURSTON ST. | MAR. 19, 1964           | 474                       |
| REDWOOD DRIVE    | CITY LINE AT LONGWOOD AVENUE  |                         |                           |
|                  | TO CITY LINE AT ROYAL AVE.    | MAY 6, 1960             | 301                       |

|                 |                                |               |            |
|-----------------|--------------------------------|---------------|------------|
| SPDONER STREET  | STAMFORD AVENUE TO NETOP DRIVE | MAR. 19, 1964 | 279        |
| STAMFORD AVE.   | SPOONER STREET TO SOUTHER LINE |               |            |
|                 | OF BISSELL STREET              | MAR. 19, 1964 | 245        |
| THURSTON STREET | WESTERLY LINE OF POTTER DR.    |               |            |
|                 | TO FREEWAY TAKING LINE         | MAR. 19, 1964 | 278        |
| TRAINOR STREET  | ACORN STREET TO DE PASQUALE    |               |            |
|                 | AVE.                           | JUNE 20, 1935 | <u>249</u> |
|                 | TOTAL                          |               | 4,671      |

PRTITIONS TO HAVE GRADE DEFINED

| <u>DATE</u>   | <u>STREET AND LOCATION</u>  |
|---------------|---|
| JAN. 20, 1955 | ADIE STREET, FROM ATWELLS AVE. TO CEDAR STREET                                  |
| FEB. 17, 1955 | OPHELIA STREET, FROM A POINT 120 FT. S. OF THORNTON STREET TO WOLFE STREET.     |
| JUNE 2, 1955  | AUMOND STREET, FROM EDGEWOOD BLVD. TO CITY LINE                                 |
| JULY 7, 1955  | VESPUCCI STREET, FROM DOUGLAS AVE. TO FERNANDO ST.                              |
| SEPT. 1, 1955 | QUEEN STREET, FROM LAUREL HILL AVE. TO ITS NORTHERLY TERMINATION                |
| NOV. 3, 1955  | HYMER STREET, FROM CRANDALL ST. TO SEAMANS STREET                               |
| DEC. 1, 1955  | DERRY STREET, FROM OREGON STREET TO GEDFFREYS COURT                             |
| MAY 3, 1956   | STUKELY STREET, FROM HARTFORD AVE. TO #41 STUKELY STREET                        |
| JUNE 7, 1956  | MONTICELLO STREET, FROM OPPER ST. TO ROBIN BROOK SEWER                          |
| AUG. 2, 1956  | LIBIA STREET, FROM FARMINGTON AVE. TO ITS TERMINATION                           |
| SEPT. 6, 1956 | MINNESOTA STREET, FROM WOODWARD ROAD TO ITS TERMINATION                         |
| FEB. 7, 1957  | MARIA STREET, FROM KILLINGLY STREET TO CITY LINE                                |
| MAY 16, 1957  | CORSICA STREET, FROM FRUIT HILL AVENUE TO GENOA STREET                          |
| MAY 16, 1957  | GENOA STREET, FROM FRUIT HILL AVE. TO TARANTO STREET                            |
| JULY 11, 1957 | HILLARD STREET, FROM MANTON AVE. TO PELHAM STREET                               |
| JULY 11, 1957 | COWPER COURT, FROM MESSER STREET TO TERMINATION                                 |
| OCT. 3, 1957  | DUKE STREET, FROM ORMS STREET TO SMITH STREET                                   |
| MAY 1, 1958   | YORK STREET, FROM NORTH MAIN STREET TO STEELE STREET                            |
| JULY 3, 1958  | PROCTOR PLACE, FROM DOYLE AVE. TO TERMINATION                                   |
| AUG. 7, 1958  | SEDAN STREET, FROM ARGOL STREET TO TERMINATION                                  |
| SEPT. 4, 1958 | YORKTOWN PLACE, FROM LINTON STREET TO TERMINATION                               |
| NOV. 6, 1958  | MYRA STREET, KILLINGLY STREET TO BOUNDRY AVE.                                   |
| FEB. 19, 1959 | DEERFIELD TERRACE, FROM ALGER AVE. TO TERMINATION                               |
| MAR. 5, 1959  | SIBLEY STREET, FROM CRESCENT STREET TO WEST TERMINATION                         |
| APR. 2, 1959  | NYE STREET, FROM IDA STREET TO MERINO STREET                                    |
| JULY 2, 1959  | BATTERSON STREET, FROM WALSH STREET TO BULLOCK AVE.                             |
| JULY 2, 1959  | BULLOCK AVENUE, FROM BATTERSON STREET TO CITY LINE                              |
| JULY 2, 1959  | HENNESSEY STREET, FROM SAINT THOMAS STREET TO BULLOCK AVE.                      |
| JULY 2, 1959  | ROWLEY STREET, FROM BATTERSON STREET TO HENNESSEY STREET                        |
| JULY 2, 1959  | TRIGGS STREET, FROM WALSH STREET TO BULLOCK AVE.                                |
| JULY 2, 1959  | WALSH STREET, FROM BATTERSON STREET TO HENNESSEY STREET                         |
| MAR. 3, 1960  | WAYLAND AVENUE, FROM PITMAN STREET TO ITS SOUTHERLY TERMINATION                 |
| MAR. 3, 1960  | UNNAMED GANGWAY FROM PETER STREET TO LEDGE STREET                               |
| SEPT. 1, 1960 | OWEN STREET, FROM MANTON AVENUE TO KING STREET                                  |
| FEB. 16, 1961 | EAST GEORGE STREET, GANO STREET TO BUTLER AVENUE                                |
| APR. 20, 1961 | HASWELL STREET, EDDY STREET TO EASTERLY TERMINATION                             |
| MAY 18, 1961  | SHAW STREET, LANGDON STREET TO LAKESIDE STREET                                  |
| AUG. 10, 1961 | CELIA STREET, HARTFORD AVENUE TO NORTHERLY TERMINATION                          |
| AUG. 10, 1961 | LAKESIDE STREET, SHAW STREET TO EVERSON STREET                                  |
| AUG. 10, 1961 | DOROTHY AVENUE, WEST LINE ROBIN BROOK SEWER TO CHARLES ST.                      |
| JAN. 18, 1962 | DIPIPPO STREET, KILLINGLY STREET TO ITS TERMINATION                             |
| FEB. 13, 1962 | SHAW STREET, EASTERLY LINE OF LAKESIDE ST. WESTERLY TO ITS WESTERLY TERMINATION |



|                |  |
|----------------|--|
| MAR. 1, 1962   | UNNAMED GANGWAY EAST OF HAVANNA ST. WESTERLY TO THE CITY LINE        |
| JUNE 7, 1962   | DAKOTA STREET, WOODWARD ROAD TO TERMINATION                          |
| AUG. 2, 1962   | CAVALLATTI STREET, FARMINGTON AVE. TO ITS TERMINATION                |
| AUG. 8, 1963   | STILLWATER AVENUE, BRIGHTWOOD AVE. TO CITY LINE                      |
| 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 DRIVE               |
| MAY 21, 1964   | JOSEPH STREET, CITY LINE TO HAVANA STREET                            |
| AUG. 13, 1964  | KING PHILIP STREET, BARBARA STREET NORTHERLY TO ROUTE 6 FREEWAY LINE |
| AUG. 13, 1964  | STELLA STREET, BARBARA STREET NORTHERLY TO ROUTE 6 FREEWAY LINE      |
| SEPT. 22, 1964 | WARDLAW COURT, FROM WARDLAW AVE. TO ITS WESTERLY TERMINATION         |

# PETITIONED FOR CURBING AND GRADING

| <u>DATE</u>    | <u>STREET AND LOCATION</u>   |
|----------------|--|
| FEB. 17, 1955  | OPHELIA STREET, FROM A PT. 120 FT. S. OF THORNTON STREET TO WOLFE STREET |
| MAY 5, 1955    | PARK ROW, FROM EDGEWOOD BOULEVARD SOUTHERLY TO CRANSTON CITY LINE        |
| JUNE 2, 1955   | AUMOND STREET, FROM EDGEWOOD BLVD. TO CITY LINE                          |
| JULY 7, 1955   | VESPUCCI STREET, FROM DOUGLAS AVE. TO FERNANDO ST.                       |
| SEPT. 1, 1955  | QUEEN STREET, FROM LAUREL HILL AVE. TO ITS NORTHERLY TERMINATION         |
| NOVE. 3, 1955  | HYMER STREET, FROM CRANDALL STREET TO SEAMANS STREET                     |
| DEC. 1, 1955   | DERRY STREET, FROM OREGON STREET TO GEDFFREYS COURT                      |
| MAY 3, 1956    | STUKELY STREET, FROM HARTFORD AVE. TO #41 STUKELY ST.                    |
| AUG. 2, 1956   | LIBIA STREET, FROM FARMINGTON AVE. TO ITS TERMINATION                    |
| NOVE. 15, 1956 | BURTON STREET, FROM BINGHAM STREET TO TERMINATION                        |
| FEB. 7, 1957   | MARIA STREET, FROM KILLINGLY STREET TO CITY LINE                         |
| MAY 2, 1957    | HAGAN STREET, FROM CHARLES STREET TO LANGDON STREET                      |
| JULY 11, 1957  | HILLARD STREET, FROM MANTON AVE. TO PELHAM ST.                           |
| JULY 11, 1957  | COWPER COURT, FROM MESSER STREET TO TERMINATION                          |
| AUG. 15, 1957  | GROTTO AVE., FROM UPTON AVE. TO PORTION ALREADY RECEIVED                 |
| OCT. 3, 1957   | DUKE STREET, FROM ORMS STREET TO SMITH STREET                            |
| FEB. 20, 1958  | CARVER COURT, FROM 53 PLEASANT STREET TO TERMINATION                     |
| MAY 1, 1958    | YORK STREET, FROM NORTH MAIN STREET TO STEELE STREET                     |
| JULY 3, 1958   | PROCTOR PLACE, FROM DOYLE AVE. TO TERMINATION                            |
| SEPT. 4, 1958  | YORKTOWN PLACE, FROM LINTON STREET TO TERMINATION                        |
| SEPT. 18, 1958 | TAPPAN STREET, FROM ANGLE TO ADMIRAL STREET                              |
| NOV. 6, 1958   | MYRA STREET, FROM KILLINGLY STREET TO BOUNDARY AVE.                      |
| MAR. 5, 1959   | SIBLEY STREET, FROM CRESCENT STREET TO WEST TERMINATION                  |
| JULY 2, 1959   | BATTERSON STREET, FROM WALSH STREET TO BULLOCK AVE.                      |
| JULY 2, 1959   | BULLOCK AVE., FROM BATTERSON STREET TO CITY LINE                         |
| JULY 2, 1959   | HENNESSEY STREET, FROM SAINT THOMAS STREET TO BULLOCK AVE.               |
| JULY 2, 1959   | ROWLEY STREET, FROM BATTERSON STREET TO HENNESSEY STREET                 |
| JULY 2, 1959   | TRIGGS STREET, FROM WALSH STREET TO BULLOCK AVE.                         |
| JULY 2, 1959   | WALSH STREET, FROM BATTERSON ST. TO HENNESSEY ST.                        |
| MAR. 3, 1960   | WAYLAND AVE., FROM PITMAN ST. TO ITS SOUTHERLY TERMINATION               |
| MAR. 3, 1960   | UNNAMED GANGWAY, FROM PETER STREET TO LEDGE STREET                       |
| FEB. 16, 1961  | EAST GEORGE STREET, GAND STREET TO BUTLER AVE.                           |
| APR. 20, 1961  | HASWELL STREET, EDDY STREET TO EASTERLY TERMINATION                      |
| MAY 18, 1961   | SHAW STREET, LANGDON STREET TO LAKESIDE STREET                           |
| AUG. 10, 1961  | CELIA STREET, HARTFORD AVENUE TO NORTHERLY TERMINATION                   |
| AUG. 10, 1961  | LAKESIDE STREET, SHAW STREET TO EVERSON STREET                           |
| AUG. 10, 1961  | DOROTHY AVE., WEST LINE ROBIN BROOK SEWER TO CHARLES ST.                 |

|                |  |
|----------------|--|
| AUG. 10, 1961  | GENOA STREET, FRUIT HILL AVE. TO TARANTO STREET                                    |
| AUG. 10, 1961  | CORSICA STREET, FRUIT HILL AVE. TO GENOA STREET                                    |
| JAN. 18, 1962  | DIPPO STREET, KILLINGLY STREET TO ITS NORTHERLY TERMINATION                        |
| FEB. 15, 1962  | SHAW STREET, EASTERLY LINE OF LAKESIDE STREET WESTERLY TO ITS WESTERLY TERMINATION |
| MAR. 1, 1962   | UNNAMED GANGWAY, EAST HAVANNA STREET WESTERLY TO THE CITY LINE                     |
| AUG. 2, 1962   | CAVALLATTI STREET, FARMINGTON AVE. TO ITS TERMINATION                              |
| AUG. 8, 1963   | STILLWATER AVENUE, BRIGHTWOOD AVE. TO CITY LINE                                    |
| 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 DRIVE                             |
| MAY 21, 1964   | JOSEPH STREET, CITY LINE TO HAVANNA STREET   |
| AUG. 13, 1964  | KING PHILIP STREET, FROM BARBARA STREET NORTHERLY TO ROUTE 6 FREEWAY LINE          |
| AUG. 13, 1964  | STELLA STREET, FROM BARBARA STREET NORTHERLY TO ROUTE 6 FREEWAY LINE               |
| SEPT. 22, 1964 | WARDLAW COURT, FROM WARDLAW AVE. TO ITS WESTERLY TERMINATION                       |

SUMMARY TO OCTOBER 1, 1964

THE FOLLOWING TABLE SHOWS TYPE OF PAVEMENT, LENGTHS AND AREAS:

| <u>TYPES OF PAVEMENT</u>         | <u>LENGTHS<br/>MILES</u> | <u>AREA<br/>SQUARE YARDS</u> |
|----------------------------------|--------------------------|------------------------------|
| REINFORCED CONCRETE              | 0.170                    | 3,101.0                      |
| BITUMINOUS CONCRETE (CURBED)     | 185.124                  | 3,136,780.7                  |
| BITUMINOUS CONCRETE (NOT CURBED) | 6.843                    | 118,920.0                    |
| SHEET ASPHALT (CURBED)           | 60.042                   | 1,483,683.6                  |
| SHEET ASPHALT (NOT CURBED)       | 0.300                    | 4,195.0                      |
| BITUMINOUS MACADAM (CURBED)      | 107.518                  | 1,652,225.0                  |
| BITUMINOUS MACADAM (NOT CURBED)  | 2.107                    | 34,164.0                     |
| ASPHALT BLOCKS                   | 0.119                    | 958.0                        |
| BRICK                            | 0.020                    | 197.2                        |
| COBBLE                           | 0.120                    | 765.9                        |
| GRANITE BLOCKS                   | 2.567                    | 39,520.8                     |
| WATERBOUND MACADAM (CURBED)      | 1.906                    | 33,418.0                     |
| WATERBOUND MACADAM (NOT CURBED)  | <u>0.580</u>             | <u>6,237.0</u>               |
|                                  | 367.416                  | 6,514,166.2                  |
| RECEIVED (NOT IMPROVED)          | <u>1.948</u>             |                              |
| TOTAL                            | 369.364                  |                              |

THE FOLLOWING WORK HAS BEEN COMPLETED DURING THE YEAR - NAMELY:

|                                   |                      |
|-----------------------------------|----------------------|
| STREETS PAVED WITH NEW MATERIAL   | 84,121 LINEAR FEET   |
| BITUMINOUS CONCRETE PAVEMENT LAID | 270,503 SQUARE YARDS |

## SEWER AND STRUCTURAL SECTION

THE DUTIES OF THIS SECTION CONSISTS 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 FANNING & DOORLEY CONST. CO. INC. DATED JULY 12, 1963, WAS COMPLETED MARCH 2, 1964. FINAL COST EQUALLED \$164,740.30.

THE STREETS INVOLVED ARE AS FOLLOWS WITH THE COMPLETION DATES NOTED:

| <u>COMPLETION DATE</u> | <u>DESCRIPTION</u>   |
|------------------------|--|
| JAN. 30, 1964          | LAKEVIEW DRIVE FROM TOGANSETT ROAD SOUTHERLY TO PROPOSED RIGHT OF WAY AND SOUTHERLY IN PROPOSED RIGHT OF WAY TO SERVICE ROAD #10 AND EASTERLY IN SERVICE ROAD #10 TO RESERVOIR AVENUE. |
| NOV. 20, 1964          | SWAN STREET FROM NEAR EDDY STREET EASTERLY TO PROPOSED RIGHT OF WAY AND SOUTHERLY IN PROPOSED RIGHT OF WAY TO MUTUAL STREET.   |
| DEC. 5, 1963           | WESTMORE STREET FROM NEAR NIAN TIC AVE. TO LAKEVIEW DRIVE.   |

A CONTRACT FOR SEWERS IN VARIOUS STREETS BY EDWARD F. CAPALDI, INC. DATED NOVEMBER 15, 1963 WAS COMPLETED JULY 14, 1964. FINAL COST EQUALLED \$81,556.97

THE STREETS INVOLVED ARE AS FOLLOWS WITH THE COMPLETION DATES NOTED:

|                |   |
|----------------|---|
| JAN. 31, 1964  | MOLTER STREET FROM NEAR SERVICE ROAD #10 TO LAKEVIEW DRIVE  |
| JAN. 6, 1964   | DIMARIO DRIVE FROM ITS NORTHERLY TERMINATION TO JASPER STREET AND WESTERLY IN JASPER ST. TO PRESENT SEWER IN JASPER ST. |
| JAN. 20, 1964  | LAKEVIEW DRIVE FROM NEAR SERVICE ROAD #10 TO PRESENT SEWER IN LAKEVIEW DRIVE  |
| JAN. 6, 1964   | ATKINS STREET FROM ITS NORTHERLY TERMINATION TO REGENT AVE.   |
| MAY 13, 1964   | THURSTON STREET FROM NEAR STAMFORD AVE. TO ITS SOUTHERLY TERMINATION.   |
| MAY 18, 1964   | POTTER DRIVE FROM HAMLIN STREET TO THURSTON ST.   |
| MAY 4, 1964    | NETOP DRIVE FROM NEAR HATHAWAY STREET TO THURSTON STREET  |
| APRIL 10, 1964 | SPOONER STREET FROM NETOP DRIVE TO STAMFORD AVE.  |

MAY 18, 1964

HAMLIN STREET FROM NEAR POTTER DRIVE TO  
STAMFORD AVE.

JUNE 5, 1964

STAMFORD AVENUE FROM NEAR SPOONER STREET TO  
SOUTHERLY STREET LINE OF BISSELL STREET

A CONTRACT FOR SEWERS IN VARIOUS STREETS BY THE D'ERCOLE CONST. CO., INC.  
DATED JULY 10, 1964. THE VALUE OF THE WORK DONE TO DATE EQUALS \$12,961.00.

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<br>TO HAVANA STREET THEN SOUTHERLY IN HAVANA ST.<br>TO PRESENT SEWER IN LUBEC STREET |
| AUG. 25, 1964          | MARCONI STREET-FROM WESTERLY TERMINATION TO<br>GALLILEO AVENUE   |
| SEPT. 9, 1964          | WHITEHALL STREET-FROM SOUTHERLY TERMINATION<br>TO UNION AVENUE   |
| SEPT. 9, 1964          | LEGION MEMORIAL DRIVE-FROM NEAR ITS SOUTHERLY<br>TERMINATION TO SUNSET AVENUE.   |

FOLLOWING ARE LISTS OF STREETS FOR WHICH SEWER PLANS WERE MADE FOR SUB-  
MISSION 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, 1963 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 STREETM 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, 1964.

|               |  |
|---------------|--|
| 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 STREET                    |
| SEPT. 2, 1954 | GROTON STREET, FROM DURFEE ST. TO POWHATTAN ST.                  |
| JULY 7, 1955  | VESPUCCI STREET, FROM FERNANDO ST. TO DOUGLAS AVE.               |
| SEPT. 1, 1955 | QUEEN STREET, FROM ITS NORTHERLY TERMINATION TO CLEVELAND ST.    |
| NOV. 3, 1955  | HYMER STREET, FROM NEAR SEAMANS ST. TO CRANDALL ST.              |
| DEC. 1, 1955  | DERRY STREET, FROM NEAR GEOFFREYS COURT TO OREGON ST.            |
| MAY 3, 1956   | STUKELEY STREET, FROM ITS NORTHERLY TERMINATION TO HARTFORD AVE. |
| AUG. 2, 1956  | LIBIA STREET, FROM THE CITY LINE TO FARMINGTON AVE.              |
| FEB. 7, 1957  | MARIA STREET, FROM KILLINGLY STREET TO THE CITY LINE             |
| JUNE 6, 1957  | COWPER COURT, FROM ITS TERMINATION TO MESSER STREET              |
| SEPT. 4, 1958 | YORKTOWN PLACE, FROM ITS TERMINATION TO LINTON STREET            |
| JULY 2, 1959  | HENNESSEY STREET, FROM BULLOCK AVENUE TO ST. THOMAS ST.          |

|                |  |
|----------------|--|
| AUG. 6, 1959   | COMO STREET, FROM ITS NORTHERLY TERMINATION TO LEDGE ST.   |
| MAR. 3, 1960   | WAYLAND AVENUE, FROM EAST GEORGE ST. TO SOUTHERLY TERMINATION  |
| MAR. 3, 1960   | UNNAMED GANGWAY FROM PETER STREET TO LEDGE ST.   |
| FEB. 16, 1961  | EAST GEORGE ST. FROM NEAR WAYLAND AVE. TO BUTLER AVE. AND IN BUTLER AVE. FROM EAST GEORGE ST. TO PITMAN ST.    |
| FEB. 16, 1961  | HOWE STREET, FROM NIANTIC AVE. TO LAKEVIEW DRIVE.  |
|                | JORDAN STREET, FROM WESTMORE ST. TO RESERVOIR AVE.   |
| APR. 20, 1961  | HASWELL STREET, FROM APPROXIMATELY 300 FEET EAST OF EDDY ST. TO EDDY STREET.                                   |
| AUG. 10, 1961  | GENOA AVE. FROM NEAR TARANTO STREET TO FRUIT HILL AVE.   |
| AUG. 10, 1961  | CORSICA STREET, FROM NEAR GENOA AVE. TO FRUIT HILL AVE.  |
| SEPT. 21, 1961 | GAGE STREET, FROM NEAR SAMOSET AVE. TO VICTORIA STREET   |
| JAN. 18, 1962  | DIPPO STREET, FROM ITS NORTHERLY TERMINATION TO KILLINGLY ST.  |
| MAR. 1, 1962   | UNNAMED GANGWAY EAST OF HAVANA ST. WESTERLY TO CITY LINE   |
| AUG. 2, 1962   | CAVALLATTI ST. FROM ITS SOUTHERLY TERMINATION TO FARMINGTON AVE.   |
| MAY 2, 1963    | CLARKSON STREET FROM NEAR ADMIRAL ST. TO ITS EASTERLY TERMINATION AND NORTHERLY IN RIGHT OF WAY TO SUFFOLK ST. |
| AUG. 8, 1963   | STILLWATER AVENUE FROM NEAR CITY LINE TO BRIGHTWOOD AVE.   |
| MAY 7, 1964    | KINFIELD STREET FROM NEAR BARBARA STREET TO ROUTE #6 EXPRESSWAY  |
| AUG. 13, 1964  | VERDIC AVENUE FROM NEAR CITY LINE TO KILLINGLY ST.   |

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, 1964 THE FOLLOWING EXTRACTS FROM PREVIOUS REPORTS ARE HEREIN INCLUDED AND THE MILEAGE FIGURES CHANGED 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 OF 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 INTERSEPTING 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 EQUATED AS OF SEPTEMBER 30, 1964 54.1605 MILES. (INCREASE THIS YEAR 1.3727 MILES)

"B" IN 1872 THE FIRST STORM SEWER CONSTRUCTION WAS STARTED AND AS OF SEPTEMBER 30, 1964 A TOTAL OF 87.1788 MILES OF SEWERS FOR STORM WATER ONLY, HAVE BEEN CONSTRUCTED AND DISCHARGED INTO THE NEAREST AVAILABLE POND OR STREAM. (INCREASE THIS YEAR 0.5515 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, 1964 EQUALS 465.0411 MILES. (INCREASE THIS YEAR 1.9242 MILES)

INCLUDED IN THIS MILEAGE ARE APPROXIMATELY 20,250 MANHOLES, ALSO THERE ARE APPROXIMATELY 4,710 INLETS AND 11,960 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 FIELDS POINT. TIDE GATES ARE INSTALLED AT RIVER OUTFALLS TO PREVENT TIDEWATER OR RIVER WATER FROM ENTERING THE SEWERS.

THE SEWAGE FROM THE WASHINGTON PARK AND FIELDS POINT DISTRICTS, DRAINS INTO A SMALL PUMPING STATION EQUIPPED WITH TWO AUTOMATIC ELECTRICALLY DRIVEN PUMPS, LOCATED ON CITY LAND AT FIELDS 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 RUTHERGLEN 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 1963-1964.

RECEIVED FROM CRANSTON: (NARRAGANSETT BREWING COMPANY) CONTRACT DATED JUNE 1, 1955 - TERMS \$57.00 PER MILLION GALLONS 159,751,000 GALLONS METERED AND BILLED FOR \$9,105.81.

RECEIVED FROM JOHNSTON: CONTRACT DATED MARCH 9, 1956 - TERMS \$ 57.00 PER MILLION GALLONS, 479,004,800 GALLONS, METERED, ESTIMATED AND BILLED FOR \$27,303.27.

RECEIVED FROM NORTH PROVIDENCE: FLOW MEASURED AND COMPUTED TO EQUAL 2,742,925,880 GALLONS. NEW CONTRACT DATED SEPTEMBER 8, 1959, TERMS \$100,000.00 ANNUALLY. AVERAGE DAILY FLOW EQUALS 7,494,333 GALLONS.

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 JOURNEYMEN 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 CESSPOOLS" (WITH THE PROVISION, THAT IT IS NOT REQUIRED BY THE HOLDER OF A STATE LICENSE).

FOR THE CALENDAR YEAR OF 1964, THE DIRECTOR OF PUBLIC WORKS ISSUED LICENSES TO SEVEN DRAIN LAYERS AND FOUR 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 CO. 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>                    |
|-----------------------|---|--------------------------------------|
| OCT. 8, 1963          | 2100 : IN FEET GALV STEEL GUARD RAIL        | HIGHWAY DIV                          |
| OCT. 15, 1963         | ONE NEW 1/2 TON PICK UP TRUCK               | SANITATION DIV                       |
| OCT. 15, 1963         | ONE NEW 1/2 TON PICK UP TRUCK               | SEWER DIV                            |
| OCT. 15, 1963         | ONE NEW COMPACT SEDAN                       | SANITATION DIV                       |
| OCT. 15, 1963         | ONE NEW COMPACT SEDAN                       | SEWER DIV                            |
| NOV. 12, 1963         | SCREENED SAND FOR ICE CONTROL               | HIGHWAY DIV                          |
| DEC. 23, 1963         | DIESEL FUEL OIL GRADE #2                    | HIGHWAY DIV                          |
| DEC. 23, 1963         | ONE NEW STATION WAGON                       | FORESTRY DIV                         |
| DEC. 23, 1963         | REMOVAL OF 143 ELM TREES                    | FORESTRY DIV                         |
| DEC. 30, 1963         | ONE HEAVY DUTY SALT SPREADER                | HIGHWAY DIV                          |
| DEC. 30, 1963         | 2 -16 C.Y. GARBAGE & REFUSE TRUCKS          | SANITATION DIV                       |
| DEC. 30, 1963         | 1-30,000 #DUMP TRUCKS WITH CRANE AND BUCKET | SEWER DIV                            |
| DEC. 30, 1963         | 2-30,000 #4 C.Y. DUMP TRUCKS                | HIGHWAY DIV                          |
| JAN. 21, 1964         | 1-49,000 #-10 C.Y. HEAVY DUTY DUMP TRUCK    | HIGHWAY DIV                          |
| JAN. 28, 1964         | ONE NEW COMPACT SEDAN                       | HIGHWAY DIV                          |
| FEB. 4, 1964          | REMOVAL OF 85 ELM TREES                     | FORESTRY DIV                         |
| MAR. 4, 1964          | ONE NEW SEDAN                               | DIR. OF PUBLIC WORKS                 |
| APRIL 14, 1964        | ONE NEW SEDAN                               | FAMILY & BUSINESS RELOCATION SERVICE |
| APRIL 21, 1964        | ONE NEW BULL DOZER                          | HIGHWAY DIV                          |
| APRIL 7, 1964         | ASPHALT CONCRETE SURFACE COURSE MIXTURE     | HIGHWAY DIV                          |
| JUNE 9, 1964          | 4-16 C.Y. GARBAGE & REFUSE TRUCKS           | SANITATION                           |
| JUNE 30, 1964         | ONE NEW SEDAN                               | ENGINEERING DIV.                     |

A CONTRACT WAS ENTERED INTO WITH THE FENTON G. KEYES ASSOCIATES ON FEB. 4, 1964 FOR PREPARATION OF PLANS AND SPECIFICATION SERVICES FOR SUBDIVISION IN ROGER WILLIAMS PARK AND FINAL COST WAS \$8,700.00.

A CONTRACT WAS ENTERED INTO ON DECEMBER 30, 1963 WITH ORESTO DI SAIA FOR ARCHITECTURAL SERVICES AND SUPERVISION IN CONNECTION WITH "ALTERATIONS TO SEWER MAINTENANCE BUILDING FOR GENERAL ADMINISTRATION BUILDING OF THE PUBLIC WORKS DEPARTMENT.

A CONTRACT WAS ENTERED INTO WITH CHARLES A. MAGUIRE AND ASSOCIATES ON JULY 14, 1964 FOR ENGINEERING SERVICES IN CONNECTION WITH INSPECTION AND DESIGN OF THE PROVIDENCE RIVER BRIDGES FROM EXCHANGE BRIDGE TO CRAWFORD STREET BRIDGE AND OTHER BRIDGE FACILITIES.

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, 1964, THE ESTIMATED TOTAL EQUALLED \$5,433,828.64.

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 AND ENGINEER, FRANK E. FAHLQUIST, PROVIDENCE, R. I.

MANY CONFERENCES WERE HELD IN CONNECTION WITH THE PROVIDENCE FREE WAYS, 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<br>PROVIDENCE, R. I. |
| "INTERSTATE ROUTE 95"    | CHARLES A. MAGUIRE & ASSOCIATES<br>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<br>PROVIDENCE, R. I.        |
| "SEEKONK RIVER CROSSING" | CHARLES A. MAGUIRE & ASSOCIATES<br>PROVIDENCE, R. I.        |
| "WASHINGTON BRIDGE"      | FRANK L. EHASZ ASSOCIATES-PROV., R. I.                      |
| "LIPPITT HILL"           | C. W. RIVA CO.-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,

RICHARD E. PEZZULLO  
CHIEF OF THE ENGINEERING OFFICE



CONSTRUCTION & MAINTENANCE DIVISION

Mr. Robert B. Strong  
Director of Public Works  
City Hall, Providence, R. I.

Dear Sir:

The expenditures of the administration section were as follows:

|        |                              |              |
|--------|------------------------------|--------------|
| Item 0 | Personal Services            | \$6,606.50   |
| Item 1 | Services other than Personal | 657.40       |
| Item 2 | Materials & Supplies         | <u>11.37</u> |
| Total  |                              | \$7,275.27   |

HIGHWAY SECTION

The main duty of this section is the Maintenance of approximately 340 miles of paved streets, including the repairing, patching, sealcoating, 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               | \$ 616,556.30     |
| Item 1 | Services other than Personal    | 165,943.41        |
| Item 2 | Materials and Supplies          | 173,433.95        |
| Item 7 | Other Structures & Improvements | <u>150,000.00</u> |
| Total  |                                 | \$1,105,933.66    |

|         |           |
|---------|-----------|
| Revenue | 44,246.73 |
|---------|-----------|

DRIVEWAYS & CURBING

|                              |     |                        |       |
|------------------------------|-----|------------------------|-------|
| Driveways Altered (Narrowed) | 3   | 2' Circular Corner Set | 413   |
| Driveways Constructed        | 266 | S.B. Corners Set       | 120   |
| Driveways Widened            | 53  | Curbs Set & Reset      | 5,735 |
| Driveways Closed             | 52  | Driveways Relocated    | 14    |

RECEIVED STREETS REPAIRED AND SURFACED OR RESURFACED 1963-1964

Total A C Tonage

|                              |   |         |      |
|------------------------------|---|---------|------|
| Church St.                   | No. Main to Benefit                             | 250.50  | Tons |
| Oxford St.                   | Overpass to Eddy St. & Poe St. to Allens Ave.   | 319.30  | "    |
| Fred C. Green Memorial Blvd. | Marion Ave. To Wentworth at Roger Williams Park | 1898.85 | "    |
| Sears Ave.                   | Rangely to Dead End                             | 49.10   | "    |
| Buell Court                  | Cambridge to Dead End                           | 16.30   | "    |
| Fremont St.                  | Governor to Gano                                | 335.15  | "    |
| Arnold St.                   | Benefit to Governor                             | 1562.65 | "    |
| Transit St.                  | Governor to East                                | 107.45  | "    |
| President Ave.               | Grotto to Cole                                  | 481.85  | "    |
| Laurel Court                 | Laurel Ave. to Everett                          | 74.60   | "    |
| Highland Ave.                | Fourth to No. of Sixth                          | 163.20  | "    |
| Hall St.                     | Ledge St. to Northup Ave.                       | 273.15  | "    |
| Yorkshire St.                | Hawkins St. to Longmont                         | 459.47  | "    |
| Highland Ave.                | 11th to 9th Sts.                                | 203.55  | "    |
| Langdon St.                  | Branch Ave. to City Line                        | 1370.80 | "    |
| Sixth Street                 | No. Main to Highland Ave.                       | 153.30  | "    |
| Alicant Street               | Vito St. to Douglas Ave.                        | 37.00   | "    |
| Andem Street                 | Academy to Bergin                               | 416.90  | "    |
| Concannon St.                | Douglas to Moy                                  | 5.10    | "    |
| Grape Street                 | Admiral to Dead Eng                             | 95.65   | "    |
| Berlin St.                   | Chalkstone to Andem                             | 252.18  | "    |
| Clematis St.                 | Chalkstone to Molloy                            | 171.50  | "    |
| Cowell St.                   | Amherst to Atwells Ave.                         | 219.95  | "    |
| Kimball St.                  | Chalkstone to Metropolitan                      | 448.10  | "    |
| Union Ave.                   | Pocasset to Plainfield St.                      | 383.33  | "    |
| Newark St.                   | Academy Ave. to Valley St.                      | 540.00  | "    |
| Acorn Street Bridge          |   | 28.00   | "    |
| Star Street                  | No. Main St. Easterly 50'                       | 10.10   | "    |
| Knowles St.                  | Abbott to Grandview                             | 138.60  | "    |
| Ernest St.                   | Allens Ave. to Shipyard St.                     | 375.05  | "    |
| Brush Hill Rd.               | Ada Ave. about 150' north                       | 53.15   | "    |
| Hope Street                  | Wickenden St. to Geo.M. Cohen Blvd.             | 120.60  | "    |
| John Street                  | Governor St. to Hope Incl. Intersection at Hope | 247.30  | "    |
| Preston St.                  | Governor to Gano                                | 250.40  | "    |
| Slater Ave.                  | Irving Ave. to Lloyd                            | 224.90  | "    |
| Linden Drive                 | Cole Ave. easterly Term.                        | 167.45  | "    |
| Arlington Ave.               | Freeman Pkwy. to Lloyd Ave.                     | 679.35  | "    |
| Eleventh St.                 | Highland to Top St.                             | 163.60  | "    |
| Second St.                   | No. Main to Highland Ave.                       | 149.80  | "    |
| Summit Ave.                  | Tenth St. to Near Eighth St.                    | 280.60  | "    |
| McMillen St.                 | Hall St. to Siravos St.                         | 47.40   | "    |
| Opper St.                    | Branch Ave. to Nahant St.                       | 195.58  | "    |
| Fifth St.                    | No. Main to Highland Ave.                       | 154.60  | "    |
| Andem St.                    | Vito to Douglas Ave.                            | 412.60  | "    |
| Vito St.                     | Admiral St. to Alicant                          | 172.55  | "    |
| Loveday St.                  | Veazie to Admiral St.                           | 159.85  | "    |
| Rill St.                     | Valley St. to Allston                           | 254.45  | "    |
| Molloy St.                   | Academy Ave. to Rowan                           | 327.65  | "    |
| Home Ave.                    | Chalkstone to Molloy                            | 200.97  | "    |

|                 |   |         |      |
|-----------------|---|---------|------|
| Erastus St.     | Manton to Atwells & Atwells Ave. to Chaucer | 537.00  | Tons |
| Lawn Street     | Chalkstone Ave. to Glover                   | 176.40  | "    |
| Moorefield St.  | Pocasset Ave. to Silver Lake Ave.           | 345.15  | "    |
| Sisson St.      | Cloud to Almira                             | 123.10  | "    |
| Joslin St.      | Amhurst to Atwells Ave.                     | 228.00  | "    |
| Steere Ave.     | Amherst to Manton Ave.                      | 98.35   | "    |
| Moorefield      | Silver Lake to Plainfield St.               | 521.40  | "    |
| Laban St.       | Merino to Heath                             | 1198.20 | "    |
| Mawney St.      | Elmwood to Dexter                           | 354.60  | "    |
| Cyr Street      | Broad to Roger Williams Park                | 456.60  | "    |
| California Ave. | Eddy St. to Narragansett Blvd.              | 831.35  | "    |
| Ethan St.       | Daniel Ave. to Farmington                   | 556.75  | "    |
| Horace St.      | Killingly St. to Hartford Ave.              | 91.50   | "    |
| Pettys Ave.     | Hartford to Killingly St.                   | 925.10  | "    |
| Murray St.      | Plainfield St. to Sophia                    | 608.60  | "    |
| Hauxhurst St.   | Pocasset to Magdalene                       | 207.55  | "    |
| Hollis St.      | Diamond to Cranston Sts.                    | 193.70  | "    |
| Sibley St.      | Algonquin St. to Crescent                   | 135.85  | "    |
| Redwing St.     | Elmwood to Bucklin St.                      | 199.90  | "    |
| Alexander St.   | Santiago to Rounds                          | 202.80  | "    |

RECEIVED STREETS STARTED 1962-1963 - COMPLETED 1963-64

|                       |                         |         |
|-----------------------|-------------------------|---------|
| Hazael Street         | Admiral to Douglas Ave. | 394.15  |
| Parnell St.           | Entire Length           | 89.05   |
| Pleasant Valley Pkwy. | Rosebank to Justice     | 1187.07 |
| River Ave.            | Hymmer to Admiral       | 290.65  |
| Hillview Ave.         | Bradley to Admiral      | 122.10  |
| Fairview St.          | Entire Length           | 73.50   |
| Lucy Street           | Parnell to Almira       | 134.20  |

RECEIVED STREETS STARTED 1963-1964 INCOMPLETE SEPTEMBER 30, 1964

|                |                              |        |
|----------------|------------------------------|--------|
| Hawthorne St.  | Elmwood Ave. to Vineyard     | 40.80  |
| Warrington St. | Elmwood Ave. to Broad        | 13.85  |
| Saratoga St.   | Broad to Exeter              | 70.15  |
| Sayles St.     | Prairie Ave. to Gordon Ave.  | 153.50 |
| Somerset St.   | Pine to Broad                | 7.7    |
| Dudley St.     | Prairie Ave. to Friendship   | .00    |
| Payton St.     | Broad to Roger Williams Park | 351.70 |
| Johnson St.    | Rugby to Eddy St.            | 149.55 |
| Croyland Road  | Potters Ave. to Oxford St.   | 147.90 |
| Public St.     | Eddy St. 150' easterly       | 45.45  |
| Dudley St.     | Prairie Ave. to Plain St.    | 00.00  |

UNRECEIVED STREETS REPAIRED AND SURFACED OR RESURFACED 1963-1964

|               |                              |        |
|---------------|------------------------------|--------|
| Wild St.      | Branch Ave. to Henrietta St. | 121.50 |
| Shaw St.      | Langdon to Dead End          | 82.30  |
| Powhatan St.  | Division to Durfee           | 103.40 |
| Spooner St.   | Elmwood Ave. to Dead End     | 249.93 |
| Grove St.     | Ridge to Tobey               | 135.75 |
| Benedict St.  | Sorrento St. to Cranston St. | 129.48 |
| Thornton St.  | Killingly St. to Dead End    | 16.00  |
| Henrietta St. | Moy St. East to Dead End     | 36.40  |

UNRECEIVED STREETS REPAIRED AND SURFACED OR RESURFACED 1963-1964 (Continued)

|                       |                                |        |      |
|-----------------------|--------------------------------|--------|------|
| Metcalf St.           | About 60'                      | 61.65  | Tons |
| Moy St.               | Branch Ave. to Concannon St.   | 89.75  | "    |
| Cato St.              | Isabella to Dead End           | 73.80  | "    |
| Anderson St.          | Manton Ave. to Curtis St.      | 61.35  | "    |
| Streets at Charles V. | Chapin Hospital                | 509.70 | "    |
| Henrietta St.         | Wild to Douglas Ave.           | 166.50 | "    |
| Beetle St.            | Rushmore to Dead End           | 57.40  | "    |
| Baltimore St.         |                                | 37.80  | "    |
| Sorrento St.          | Wadsworth to Benedict St.      | 36.50  | "    |
| Como St.              | Ledge to Dead End              | 60.65  | "    |
| Seton St.             | Thornton to Dead End           | 93.40  | "    |
| Alaska St.            | Langdon to Dead End            | 44.55  | "    |
| Devon St.             | About 200'                     | 68.95  | "    |
| Concannon St.         | Veazie St. to Moy St.          | 137.95 | "    |
| Yorkshire St.         | Hawkins to Anchor              | 39.35  | "    |
| Sacramento St.        | Glenbridge Westerly 248'       | 196.00 | "    |
| Mattie St.            | Glenbridge West                | 67.10  | "    |
| Horace St.            | Killingly Westerly 200'        | 91.50  | "    |
| Woodfall St.          | Killingly Easterly Termination | 128.05 | "    |
| Ridgeland St.         | Montrose to Northup to end     | 49.35  | "    |

UNRECEIVED STREETS STARTED 1963-1964 INCOMPLETE SEPTEMBER 30, 1964

|                |                             |        |   |
|----------------|-----------------------------|--------|---|
| Grand Broadway | Sherwood to Vandewater      | 256.20 | " |
| Drew St.       | Sherwood to Vandewater      | 62.55  | " |
| Indiana Ave.   | Allens Ave. easterly to end | 49.15  | " |
| Hagan St.      | Langdon to Robin Brook      | 344.70 | " |
| Briggs St.     | To Dead End                 | 6.50   | " |

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..... | 69.50 Cu. Yds. | Crushed Stone | -----       |
| A. C. Mix.....            | 1,067.30 Tons  | Kerosene..... | 1,264. gal. |
| Crushed Gravel.....       | 104.41 Tons    | Sand.....     | 286.00 Tons |

Materials used for surfacing and resurfacing are as follows:

|                       |           |         |
|-----------------------|-----------|---------|
| A. C. Mix.....        | 31,160.39 | Tons    |
| Cement.....           | 106       | Bags    |
| Crushed Stone 2"..... | 136.74    | Tons    |
| Kerosene.....         | 8,124     | Gallons |
| Sand.....             | 231.00    | 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.....    | 2,494  | Bags     |
| Gravel.....    | 359.40 | Tons     |
| Sand.....      | 646.00 | Tons     |
| A.C. Mix.....  | 90.10  | Tons     |
| Ready-Mix..... | 167.50 | 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:

Reconstructed base and laid asphalt at Troy Street Salt Area.

Demolished wall and built new wall in Japanese Garden in Roger Williams Park.

Reset curb and patched street at Walnut Street cavein.

Graded, seeded and rolled bank at City Yard Parking Lot.

Graded and seeded bank at Sayles and Mutual Streets.

Removed curb and excess gravel at Saunders Street.

Necessary curb work, two new cement sidewalks, 1 asphalt sidewalk, Cement Base of Street on Westminster Street Mall.

Built new metal barricade on Belair Drive.

Repaired street at expansion plate at Gaspee and Promenade Streets.

Repaired street at expansion plate at Kinsley Avenue.

Excavated trench to allow proper drainage to river at Kinsley Ave.

Surfaced Acorn Street Bridge with A. C. Mix.

Hauling fill to Fields Point and Manton Avenue Dumps.

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:

|                              |                        |
|------------------------------|------------------------|
| Leslie Drive                 | Concannon Street       |
| No. Main St. to Branch Ave.  | Greaton Street         |
| No. Main St. opp. Abbott St. | State Street           |
| Hamlin Street                | Batton Street          |
| Westminster St.              | Crawford St. Bridge    |
| Smith Street                 | Broad St. @ Sacket St. |
| Moy Street                   | Broadway               |

#### LAWNS AND GRASS PLANTS MAINTAINED

|                          |                               |
|--------------------------|-------------------------------|
| Oakland Avenue           | Eighth St. & Lorimer Ave.     |
| Kinsley Avenue           | Slater Ave. and Goldsmith St. |
| North Main Street        | Sewer Disposal Grounds        |
| Franklin Square          | Eddy St. and Ship Street      |
| Elmgrove Avenue          | Market Square                 |
| Chad Brown Street        | Cemetery Street               |
| Atwells Avenue           | Pitman Street                 |
| Highway Building 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            | \$42,598.73      |
| Item 1 | Services other than Personal | 6,253.77         |
| Item 2 | Materials and Supplies       | <u>11,504.01</u> |
|        | Total                        | \$60,356.51      |
|        | Revenue                      | \$283.20         |

There are 57 city-owned bridges, of the following 35 required work this year.

|                               |  |
|-------------------------------|--|
| Point Street Bridge           | Randall St. Bridge                       |
| Red Bridge                    | Pettis St. Bridge                        |
| Crawford St. Bridge           | Branch Ave. Mosshasock River             |
| So. Water St. Bridge          | Cemetery St. Bridge                      |
| Gaspee St. Bridge             | Charles St. R.R. Bridge                  |
| Park St. Bridge               | Hawkins St. Bridge                       |
| Leland St. Foot Bridge        | Branch Ave. West River from Wanskuck Rd. |
| Acorn Street Bridge           | Veazie St. Bridge                        |
| Eagle St. Bridge              | Branch Ave. at City Line (Geneva)        |
| Atwells Ave. Bridge           | Pleasant Valley Pkwy @ Roger Wms. Hosp.  |
| Valley St. Bridge             | Adelaide Ave. foot bridge over R.R.      |
| Delaine St. Bridge            | Roger Wms. Ave. Railroad Bridge          |
| Merino Park Foot Bridge       | Harris Ave. Ramp                         |
| Merino Bridge-Glenbridge Ave. | Balbo Ave. Viaduct                       |

Smith St. Bridge  
Mill Street Bridge  
Stevens Street Bridge  
Reservoir Ave. R.R. Bridge

Charles St. Bridge - West River  
Gov. Roberts Expressway-Broadway  
Exchange Terrace

The following work was done:

1. Cleaned rust and painted iron fences at Reservoir Avenue R.R. Bridge.
2. Cleaned rust and painted bridge at Adelaide Avenue.
3. Rebuilt both side walks, cleaned and painted steel supports of both sidewalks at Merino Bridge - Glenbridge Avenue.
4. Repaired wood road work, top deck and sub deck at Cemetary Street Bridge.
5. Cleaned and painted Branch Avenue Bridge-Mosshasock River.
6. Repaired wooden sidewalks on Smith Street Bridge.
7. Cleaned and painted iron fence at Hawkins Street Bridge.
8. Build wooden fence at Prospect Terrace.
9. Repaired overhead steel doors at Municipal Dock Storage Shed.
10. Repaired damaged guard rail at Governor Roberts Expressway.
11. Replaced wooden curb, repaired worn sections and painted Atwells Avenue Bridge.
12. Painted Delaine Street Bridge.
13. Rebuilt wooden sections and painted Acorn Street Bridge.
14. Temporary patch on Atwells Avenue Bridge.
15. Made Necessary repairs to Pettis Street Bridge.

#### SIDEWALK & 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 sidewalks; inspects all sidewalks 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 Contractor's Licenses Issued                 | 56  |
| Notices served to build or repair                     | 339 |
| Built or repaired                                     | 133 |
| Permits issued to build or repair                     | 661 |
| Sewer openings inspected                              | 129 |
| Construction of curb openings for driveways inspected | 278 |
| New Memorial Square Approved by Council               | 1   |
| Sidewalks inspected damage due to tree roots          | 341 |

|   |        |
|---|--------|
| Sidewalks inspected after installation of new water service | 145    |
| Streets abandoned by Council and signs erected              | 30     |
| Washout depressions inspected and repaired                  | 346    |
| Sidewalk Claims Investigated                                | 34     |
| Street Signs repainted and relettered                       | 55     |
| Street names changed by Council and new signs erected       | 1      |
| Pole openings inspected                                     | 135    |
| Total Lin. Ft. of Brick Sidewalk built                      | 390    |
| Total Lin. Ft. of Bituminous Sidewalks built                | 25,056 |
| Total Lin. Ft. of cement sidewalks built                    | 15,328 |

This section replaced 1300 defective street signs with new black and white metal signs.

This section had undertaken a survey throughout the entire City on defective Memorial Square Signs.

One hundred and sixty (160) signs have already been replaced. Others are being made and lettered and will be erected as soon as they are completed.

The expenditures of this Section were as follows:

|                                     |                 |
|-------------------------------------|-----------------|
| Item 0 Personal Services            | \$20,412.09     |
| Item 1 Services other than personal | 3,253.40        |
| Item 2 Materials & Supplies         | <u>2,398.96</u> |
| Total                               | \$26,064.45     |

|                                |           |
|--------------------------------|-----------|
| Revenue:                       |           |
| Sidewalk Contractor's Licenses | \$ 560.00 |

#### 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            | \$ 83,024.76    |
| Item 1 Services other than personal | 18,400.00       |
| Item 2 Materials and Supplies       | <u>3,475.00</u> |
| Total                               | \$104,899.76    |

|         |             |
|---------|-------------|
| Revenue | \$ 2,258.79 |
|---------|-------------|

Approximately one (1%) percent of the trees on our streets are diseased or in poor condition. The diseased trees are being removed and replaced by healthy young trees purchased from private tree companies. This program of demolition and replacement, the so called "Dutch Elm Program", is closely co-ordinated 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 twenty-eight (228) diseased Elm trees were condemned and removed this year. Eighty-five (85) of these trees were located on City Streets and one hundred and forty-three (143) on private property. The



Forestry Section removed all diseased Elm brush and logs to the City dump for burning. The two hundred and twenty eight diseased Elm trees were taken down under private contract.

The following is a recapitulation of the Dutch Elm trees removed:

|  |            |
|--|------------|
| Forestry Section removed all diseased Elm brush and logs |            |
| E. W. Cerio Tree Service (City Streets)                  | 85         |
| Sepe Tree Experts (Private Property)                     | <u>143</u> |
| Total  | 228        |

The City Nursery is located at 1 Netop Drive, Roger Williams Park. It is used primarily for healing-in young trees. Trees purchased from private nurseries are healed-in the Forestry Nursery until transplanting takes place on 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. At present there are no trees in the healing-in area.

|  |        |
|--|--------|
| Number of trees trimmed                | 10,274 |
| Number of trees removed                | 956    |
| Number of trees sprayed                | 7,131  |
| Number of trees planted                | 1,818  |
| Number of trees staked with metal post | 1,229  |

#### SNOW REMOVAL

#### EXPENDITURES

|                                     |                   |
|-------------------------------------|-------------------|
| Item 0 Personal Services            | \$154,551.29      |
| Item 1 Services other than Personal | 108,800.72        |
| Item 2 Materials and Supplies       | <u>125,355.88</u> |
| Total                               | \$388,707.89      |

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 main 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 1963-1964 the City had 14 Snow Storms, the first on December 2, 1963 and the last on March 10, 1964 with a total of 50.6 inches. During this period the following work was completed.

|   |                 |
|---|-----------------|
| Sanding Streets   | 18,788 Miles    |
| Plowing Streets   | 21,744 "        |
| Removal of Snow (Business area, Churches & Funeral Homes) | 24,559 Cu. Yds. |

The following materials were used during the year:

|      |                |
|------|----------------|
| Sand | 12,666.60 Tons |
| Salt | 8,200.00 Tons  |

The following Equipment was hired from private contractors:

|           |     |       |          |
|-----------|-----|-------|----------|
| Trucks    | 207 | Hours | 2,575.75 |
| Loaders   | 4   | Hours | 43.50    |
| Low Bed   | 1   | Hours | 14.50    |
| Bulldozer | 1   | Hours | 14.50    |

#### 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               | \$255,399.55 |
| Item 1 | Services other than Personal    | 63,698.19    |
| Item 2 | Materials and Supplies          | 16,171.49    |
| Item 5 | Capital Outlay                  | 312.50       |
| Item 7 | Other Structures & Improvements | 125,000.00   |

|       |              |
|-------|--------------|
| Total | \$460,581.73 |
|-------|--------------|

|         |           |
|---------|-----------|
| Revenue | \$ 942.92 |
|---------|-----------|

#### MAINTENANCE AND CONSTRUCTION WORK PERFORMED

|   |     |
|---|-----|
| Box Chute Covers Replaced                   | 16  |
| Box Chutes repaired and rebuilt             | 52  |
| Catch Basin Covers replaced                 | 61  |
| Catch Basin Frames replaced                 | 4   |
| Catch Basins repaired and rebuilt - Altered | 42  |
| New Catch Basins built                      | 5   |
| Catch Basins lowered to grade               | 4   |
| Catch Basin frame and cover reset           | 6   |
| Manhole covers replaced                     | 130 |
| Manhole frames replaced                     | 8   |
| Manhole frames and covers reset             | 20  |
| Manholes rebuilt and repaired               | 7   |
| Manhole covers cemented                     | 28  |
| Manhole covers packed                       | 310 |
| Inlet stones replaced                       | 30  |
| Inlet stones repaired                       | 7   |
| Inlet stones reset                          | 1   |
| Traps replaced (New and Used)               | 33  |
| Gutter Grates replaced, frame and cover     | 2   |
| Gutter Grate frame and covers reset         | 4   |
| Repaired Sewer Gate                         | 1   |
| Pot Holes raised to grade                   | 1   |
| Sewer Lines Examined                        | 436 |
| Screens Flushed                             | 180 |

|   |     |
|---|-----|
| Roots removed from Basin Walls                            | 8   |
| Inspection and Examination of various Sewer Appurtenances | 314 |
| Basins Disinfected  | 145 |
| Slots freed   | 7   |
| Freed blocked house connections                           | 18  |

Basins, Gutter Grates and Sumps Cleaned: Deposits Removed,  
Lines Flushed, and Complaints Received

|                             |             |          |
|-----------------------------|-------------|----------|
| Basin Inspection            | 18,826      |          |
| 11,944 Catch Basins Cleaned | 24,368.22   | Cu. Yds. |
| 84 Sumps Cleaned            | 170.83      | Cu. Yds. |
| 929 Gutter Grates Cleaned   | 667.08      | Cu. Yds. |
| 34 Pot Holes Cleaned        | 29.10       | Cu. Yds. |
| 336 Open Drains Cleaned     | 1,344       | Ft.      |
| 5,000 Complaints Received   | All Cleared |          |
| Sewer Lines Flushed         | 16,670      | Ft.      |

Following is a Resume of Private Drain Inspections made in  
Conjunction with private construction and alterations:

Street Openings for Private Drain Connections  
Inspection and Record Sketches for Private Drain  
Construction and Alterations:

Original

Extensions

WORK PERFORMED IN CONJUNCTION WITH HIGHWAY SECTION

|                               |     |
|-------------------------------|-----|
| Catch Basins brought to grade | 13  |
| Manholes brought to grade     | 132 |

SPECIAL WORK

Alton Street and Harrion Road. Replaced 6' of 8" Sewer Line.

181 Rutherglen Ave. Freed clogged stack pipe over main line.

Gorham Mfg. Co. Excavated sanitary line, manhole. Raised manhole to grade.

Sewerage Pumping Station. Removed glass slabs from building.

Lorimer Ave. Basin and inlet changes per specifications City Engineers Office plate number #062655.

Overhill Road. Basin and inlet changes per specifications City Engineers Office Plate number #062655.

Methyl Street. Basin and inlet changes per specifications City Engineers Office Plate number #062655.

Ogden St. Basin and inlet changes per specifications City Engineers Office Plate number #062655.

Atkins Street. Blessed Sacrament Convent. Manholes blocked causing sewerage to back up into cellar of Convent. Three manholes were cleaned and nine yards of dirt and debris removed. 300' of sanitary line flushed. Floors of seven rooms were cleaned.

Valley St. Drum at Valley and Tippercanoe Street cleaned and flushed once a month.

Blackstone Street at Prairie Avenue, repaired main sewer line.

Pavilion Ave. West of Eddy - Repaired basin connections.

1344 Chalkstone Ave. Abandon present inlet and dug old connection from inlet to catch basin.

Armstrong Ave. and Ann St. - Cut rabbit in cover of stone head.

Superior Street - Sewerage backing into cellar obstruction in stand pipe. Freed obstruction.

Service Road - Excavated trench found broken pipe, repaired and back filled.

Grosvenor Ave. - Excavated Trench to find condition of Sewer Line. Line running in good condition. Back filled trench.

31-34 Wainwright Street - Domed catch basin proposed relocated curb opening. Built gutter grade basin in front of said basin.

Brook Street - Rebuilt outfall.

53 Diamond Street - Cut new rabbit and stone head. Replaced basin frame and cover.

Hamburg Ave. & Burrington Street - Put rubber stopper in sewer line. repaired sewer line.

Allens Avenue - North of Overpass at Thurbers Ave. - Dug ditch so water will flow toward river.

Narragansett Playground - Excavated trench 15' x 16' x 16', put sheathing. Repaired brick sewer line and back filled.

Ives Street - Excavated trench to find condition of connection. Connection found to be full of roots, impossible to root connection, removed old pipe and replaced with 14' of 6" sewer pipe. Back filled.

Elmwood Ave. - Excavated to find condition of sewer line, found an opened joint. Repaired and back filled.

Brook Street - Excavated trench, found broken 30" pipe, laid 12' of 30" pipe, also found lateral line dropped causing 8' x 4' depressions under sidewalk and street, replaced 20' of 6" sewer pipe. Flush remainder of connection and back filled.

Falconer Street - Install 678' of 15" sewer line, also build new manhole.

Manton Ave. Dump - Laid 220' of 30" reinforced concrete sewer pipe.  
(Extension of storm lines).

176 Massachusetts Ave. - Removed roots from storm line with rodding machine.

Blackstone Blvd. - Excavated trench, found broken sewer line, laid 35' of 12" sewer line, built new manhole and back filled.

Sinclair Avenue - Rutherglen Ave., Rounds Ave., Bulkhead 12 basins inlets.

430 Charles Street - Lowered manhole to grade in front of gas station.

Fox Point School - Clean all pot holes in school yard.

Allens Ave. - Replaced 8" chute connection.

Narragansett Ave. - Freed 240' of sanitary line using rodding machine.

State St., Smith St. - Blocked chute, post of stop sign driven into chute, excavated, removed post and replaced pipe.

Ernest St. and Cass St. - Bulkheaded manhole on west side of street.

159 Progress Ave. - In answer to taxpayer's complaint, examined condition, water seeping into cellar, found to be the responsibility of the taxpayer.

General - In answer to taxpayer complaints, examination of loose covers were made; many of these covers were found to belong to other departments and companies, such as: Water Works, Gas Co., Telephone Co.

Fire Department Calls - Sewer Dept. eductor trucks were called upon many times during the year to pump out basins that were filled with water and debris due to fires at various locations. Also to pump gasoline from basin due to automobile accidents.

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.

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.

#### PUBLIC BUILDING SECTION

The following are the expenditures for the fiscal year ending September 30, 1964:

|        |                              |                    |
|--------|------------------------------|--------------------|
| Item 0 | Personal Services            | \$ 90,050.38       |
| Item 1 | Services other than Personal | 10,941.58          |
| Item 2 | Materials and Supplies       | 974.69             |
| Item 5 | Capital Outlay               | 496.60             |
|        | Total                        | <hr/> \$102,463.25 |

During the year we supervised the construction of

Danforth Street Recreation Center  
Tockwotton Park Swimming Pool  
Neutaconkanut Hill Park Swimming Pool

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:

|                          |  |
|--------------------------|--|
| Althea Street            | Alterations to Main Entrances                  |
| Althea Street            | Plastering in classrooms                       |
| Berkshire Street         | Weatherstripping and Window Repairs            |
| Broad Street             | New Masonry Treatment                          |
| Fox Point Elementary     | Re-tubing of No. 1 and No. 2 Boilers           |
| Gilbert Stuart Jr. High  | Installation of Plumbing Materials             |
| Laurel Hill Avenue       | Re-tubing of No. 2 Boiler                      |
| Manton Avenue            | New Chain Link Fence                           |
| Mount Pleasant Stadium   | Painting Floodlight Poles                      |
| Nathan Bishop Jr. High   | Re-tubing of No. 4 Boiler                      |
| Nathan Bishop Jr. High   | Replacement of Boiler Firebox doors and frames |
| Nathan Bishop Jr. High   | New Roof over Auditorium                       |
| Samuel Bridgham Jr. High | Repairs to Cornices                            |
| Vineyard Street School   | Masonry Treatment                              |
| Webster Avenue           | Rebuilding Brick Chimney                       |
| Windmill Street          | Re-tubing of No. 2 Boiler                      |

Work done by this Division for other departments:

for Bureau of Police and Fire:

|                       |  |
|-----------------------|--|
| Headquarters Building | Replacing of broken glass throughout building            |
| " "                   | Miscellaneous Carpentry, Plumbing and Electrical repairs |
| Chad Brown Station    | Removing Antennas  |

also, at Chad Brown alterations for Carpenter Shop including carpentry, plumbing, new concrete flooring, electric wiring and moving equipment.

|                      |  |
|----------------------|--|
| Fire Department:     |  |
| Broad Street         | Masonry Repairs                            |
| Admiral Street       | New Garage roof and Masonry Treatment      |
| Allens Avenue        | Roofing and Sheet Metal Work               |
| Branch Avenue        | Boiler Repairs                             |
| Broad Street         | Replace condensate pump                    |
| Dexter Street Garage | Clean out sewer drain                      |
| Hartford Avenue      | Roofing and Sheet Metal Work               |
| Humboldt Avenue      | Roof repairs                               |
| Messer Street        | Clean out conductor lines                  |
| Mount Pleasant       | Installation of new gasoline storage tanks |
| North Main Street    | Roof Repairs                               |
| Rochambeau Avenue    | Roof Repairs                               |

For Bath Houses and Comfort Stations:

Franklin Park Bath House

Boiler Repairs

and miscellaneous plumbing, heating, electrical, carpentry, painting and roof repairs where necessary at the bath houses and comfort stations.

Work done for the City Sergeant's Department including wiring specifications where necessary:

City Hall:

Board of Canvassers: Plastering, New Counter Top, Marble and Tile Repairs, Floor Repairs

also, delivery and pick up of tables and other equipment used in the September Primary; supervision of electricians hooking up voting machines and any emergency repairs.

Installation of new Electrical Fixtures in the following offices:

Board of Canvassers  
Collector's Office  
Assessor's Office  
Purchasing Office

and miscellaneous roof repairs at City Hall and at Annex on Fountain Street as well as plumbing and electrical repairs.

For Charles V. Chapin Hospital:

Supervision of drawing of plans and specifications for Renewal of the Electric Service; supervision and inspection on Installation of Sprinkler System

Also:

Testing of fire alarm gong system  
Replacing shingles on four (4) buildings  
New paging announce system  
Nurses' Home - Roofing Repairs  
Service Building - Repairs to flashing

and Exterior Painting done by Public Buildings forces.

for Park Department:

Supervision of drawing of plans and specifications for Development of a Greenhouse Group;

Supervision and inspection on

Repairs and Renovations to Bird House  
Renovations to Elephant House

Supervision of work of electrical installation of Christmas Display and

also installation of electrical work at Seal Pool.

and at Municipal Golf Course: Installation of counter grilles at  
Club House

For General Public Assistance:

Completed work at the Bellevue Avenue District Office for individual  
offices on second floor which included electrical, plumbing and painting and  
installation of new gutters.

Fountain Street Office  
Friendship Street Office

Electrical Repairs  
Relocation of thermostat

for the Public Works Department:

Fields Point Warehouse

Installation of industrial asphalt  
flooring

for North Burial Ground:

Drawing of specification and plan for Memorial Monolith

Miscellaneous carpentry and painting by Public Buildings forces.

for Recreation Department:

Supervision of work for

Construction of Outdoor Basketball Courts at

Dexter Street  
Knight and Tell Streets

Fences at

Regent Avenue  
Clarence Street  
Columbia Park  
Knight Street  
Danforth Street  
Dexter Training Ground  
Fox Point Little League Field

Drew up plans and specifications where necessary and supervised work at

Benefit St. Rec. Center  
Benefit St. Rec. Center  
" " " "

Candace Street Playground  
Dudley Street Rec. Center  
" " " "

Joslin St. Pool

Neutaconkanut Hill Park  
Plain Street Rec. Center

Repairs to Boiler  
Roof repairs  
Plumbing repairs  
New meter pit and lawn hydrant  
Plumbing Repairs  
Installation of sump pump  
Repairs to heating system and Repairs  
to Hot Water Pump  
New concrete retaining wall  
Plumbing repairs



Ridge Street  
Sessions Street  
Gesler Street

Alterations and repairs to fence  
New Concrete Sidewalk  
Rewiring of pump motor

Also:

Supervision of the drawings of plans and specifications for

Lippitt Hill Playground

also: Supervision of the work on site improvements at

Classical High Athletic Field - and installation  
of fence, fine grading and cleaning up at this site.

Neutaconkanut Hill Park Little League Field - Installation of  
Retaining Wall and grading.

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

Old Hope High - Veterans Administration Building:

Repairs to Roof  
New Aluminum Entrances

War Memorial on Kennedy Plaza:      Carpentry, painting and reprinting  
of name plates

Lockwood Street      )  
Osborn Street        )      Installation of Steel Pipe Barriers  
Pekin Street         )

Kinsley Avenue Scale House      Repairs to gutters and  
Repairs to brick work

Animal Crematory      Installation of copper  
water supply line

Information House at  
Kennedy Plaza      Repairs to floors

Alterations and repairs at the Wickenden Street Library Building  
including installation of heating system.

Drawing of plans and specifications for modernization of heating  
systems at

Regent Avenue School  
Webster Avenue School

and supervision of drawings of plans and specifications for modernization of  
Nelson Street School.

Supervision of drawing of plans and specifications for construction of  
Lippitt Hill Elementary School.

Concluded, in conjunction with Prof. Walter F. Bogner, F.A.I.A., of the Graduate School of Design of Harvard University, the architectural competition for the Classical Central Education Center. This included the setting up of exhibits at the Bank Building on South Main Street, providing heat and lighting and detective service for protection of the exhibits; supervision and preparing payments for judges and consultants in estimating and also payments to the award winners.

We are now supervising the drawing of plans and specifications for the Classical Central Education Center, the architectural contract having been awarded to the winners of the first prize in the competition who were

Harkness and Geddes, Architects  
The Architects Collaborative, Inc.

This supervision includes conferences with the architect and members of the Providence School Department 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, 1964 or brought to completion during this time amounts to approximately One Million Two Hundred Sixty-Three Thousand Eight Hundred and Eighteen Dollars (\$1,263,818.00).

Plans and specifications are under way for construction work to be done in the near future amounting to approximately Twelve Million Two Hundred Thirteen Thousand Dollars (\$12,213,000.00).

#### 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            | \$50,069.05   |
| Item 1 | Services other than Personal | 894.33        |
| Item 2 | Materials and Supplies       | <u>602.49</u> |
|        | Total                        | \$51,565.87   |
|        | 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, 1964      SUMMARY OF OPERATIONS FOR YEAR ENDING SEPT. 30, 1963

RED BRIDGE

|           | Steamers | Tow Boats | Sailing Vessels | Barges | Miscellaneous | Total No. of Vessels<br>Year 1963-1964 | Total Openings 63-64 | Average time openings<br>to close of gates (Min.) | Total No. of Vessels<br>1962-1963 | Total Openings 62-63 | Average time of opening<br>to close of gates (Min.) 62-63 |
|-----------|----------|-----------|-----------------|--------|---------------|--|----------------------|---|-----------------------------------|----------------------|---|
| October   | 10       | 25        |                 | 18     | 13            | 66                                     | 42                   | 5.45  | 41                                | 35                   | 4.05  |
| November  | 14       | 18        |                 | 11     | 3             | 46                                     | 35                   | 5.40  | 51                                | 39                   | 4.09  |
| December  | 16       | 38        |                 | 23     | 4             | 81                                     | 58                   | 5.29  | 48                                | 27                   | 5.05  |
| January   | 22       | 37        |                 | 24     |               | 83                                     | 60                   | 5.37  | 54                                | 43                   | 4.31  |
| February  |          | 22        |                 | 16     |               | 38                                     | 26                   | 5.45  | 50                                | 38                   | 4.67  |
| March     | 20       | 28        |                 | 18     |               | 66                                     | 48                   | 4.88  | 44                                | 35                   | 4.58  |
| April     | 10       | 38        |                 | 17     |               | 65                                     | 47                   | 5.02  | 47                                | 34                   | 4.75  |
| May       | 12       | 27        |                 | 18     | 12            | 69                                     | 41                   | 5.07  | 64                                | 50                   | 4.56  |
| June      | 15       | 18        |                 | 15     | 9             | 57                                     | 45                   | 5.54  | 64                                | 51                   | 5.05  |
| July      | 16       | 22        |                 | 15     | 13            | 66                                     | 52                   | 5.01  | 51                                | 46                   | 4.42  |
| August    | 10       | 18        | 1               | 14     | 23            | 66                                     | 51                   | 5.06  | 51                                | 41                   | 5.47  |
| September | 17       | 7         | 2               | 8      | 12            | 46                                     | 36                   | 5.01  | 124                               | 75                   | 6.01  |
|           | 162      | 298       | 3               | 197    | 89            | 749                                    | 541                  |   | 689                               | 514                  |   |

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<br>STREET<br>BRIDGE | RED<br>BRIDGE                                 | YEAR      | POINT<br>STREET<br>BRIDGE                        | RED<br>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   | 1952-54   | 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           |
| BRIDGE  |                           | GREATEST NUMBER OF OPENINGS<br>IN ANY ONE DAY |           | DAILY AVERAGE NUMBER OF<br>OPENINGS FOR THE YEAR |               |
|         |                           | 1962-1963                                     | 1963-1964 | 1962-1963  | 1963-1964     |
| Red     |                           | 0   | 10        | 1.17   | 1.57          |
| Point   |                           | 0   | 0         | -----  | -----         |

STREET LIGHTING SECTION

Street Lighting Costs

The total expenditures for the fiscal year ending September 30, 1964, for street, bridge, subway, and park lighting bills, contracted in the months stated, less all credits for outage, have been as follows:

1963-1964 Appropriation --- \$527,973.00

INCANDESCENTS AND MERCURYS

| <u>1963</u>     | <u>Total Bill</u>   | <u>Less Outage</u> | <u>Net Cost</u>     |
|-----------------|---------------------|--------------------|---------------------|
| October         | 41,779.78           | 133.78             | 41,646.00           |
| November        | 41,913.15           | 204.59             | 41,708.56           |
| December        | 42,117.55           | 261.00             | 41,856.55           |
| <br><u>1964</u> |                     |                    |                     |
| January         | 42,186.86           | 230.02             | 41,956.84           |
| February        | 42,428.41           | 194.97             | 42,233.44           |
| March           | 42,520.03           | 131.77             | 42,388.26           |
| April           | 42,568.62           | 89.54              | 42,479.08           |
| May             | 40,889.01           | 55.62              | 40,833.39           |
| June            | 41,095.76           | 55.76              | 41,040.00           |
| July            | 41,150.35           | 60.47              | 41,089.88           |
| August          | 41,240.54           | 83.41              | 41,157.13           |
| September       | 41,477.30           | 79.00              | 41,398.30           |
|                 | <u>\$501,367.36</u> | <u>\$1579.93</u>   | <u>\$499,787.43</u> |

# SCHEDULES OF STREET LIGHTING DATA

|                    | <u>O.H.</u>    | <u>A.N.</u> |  | <u>U.G.</u> | <u>A.N.</u> | <u>1000 cp.</u> |             | <u>O.H.</u> | <u>A.N.</u> |
|--------------------|----------------|-------------|--|-------------|-------------|-----------------|-------------|-------------|-------------|
|                    | <u>600 cp.</u> |             |  |             |             | <u>U.G.</u>     | <u>H.N.</u> |             |             |
| October 1, 1963    | 29             |             |  | 158         |             | 3               |             | 26          |             |
| September 30, 1964 | 29             |             |  | 112         |             | 3               |             | 7           |             |
| Changes            | 0              |             |  | 46          |             | 0               |             | 19          |             |

|                    | <u>Mer. 7000Lu.</u> | <u>Merc. 2 Lt.</u>      | <u>Merc. Vap.</u> | <u>O.H.</u> | <u>Merc. U.G.</u> | <u>Sodium Light</u>     |
|--------------------|---------------------|-------------------------|-------------------|-------------|-------------------|-------------------------|
|                    |                     | <u>A.N.</u> <u>U.G.</u> |                   |             |                   | <u>U.G.</u> <u>A.N.</u> |
| October 1, 1963    | 173                 | 12                      | 2091              |             | 1687              | 21                      |
| September 30, 1964 | 245                 | 5                       | 2309              |             | 1600              | 21                      |
| Changes            | 72                  | 7                       | 218               |             | 87                | 0                       |

|                    | <u>100 cp.</u>                      | <u>U.G.</u> | <u>100 cp.</u>          | <u>O.H.</u> | <u>Merc. Vap.</u>         | <u>O.H.</u> | <u>U.G.</u>    | <u>H.N.</u> |
|--------------------|-------------------------------------|-------------|-------------------------|-------------|---------------------------|-------------|----------------|-------------|
|                    | <u>A.N.</u> <u>U.G.</u> <u>H.N.</u> |             | <u>A.N.</u> <u>H.N.</u> |             | <u>24 Hr.</u> <u>U.G.</u> |             | <u>250 cp.</u> |             |
| October 1, 1963    | 158 227                             |             | 7766-B 9                |             | 44                        |             | 512 17 12      |             |
| September 30, 1964 | 135 227                             |             | 7765 9                  |             | 44                        |             | 505 17 12      |             |
| Changes            | 23 0                                |             | 1 0                     |             | 0                         |             | 7 0 0          |             |

|   | <u>September 30, 1963</u> | <u>September 30, 1964</u> | <u>Changes</u> |
|---|---------------------------|---------------------------|----------------|
| Total number equivalent single incandescent lights            | 8896                      | 8821                      | 75             |
| Total number mercury lights 21,000, 15,000 15000c & 7,000 Lu. | 3963                      | 3958                      | 5              |
| Total number equivalent single sodium lights                  | 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 Cranston 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.

# STREET LIGHTING UNIT COSTS

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, 1963, depended upon the cost of fuel for the year ending July 31, 1964. This cost averaged \$9.72 per standard net ton. This is \$1.03 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 10. A tabulation showing the unit prices for the year beginning October 1, 1964, is as follows:

|                                    | Annual<br>Decrease<br>per 10¢<br>Decrease<br>in cost of<br>fuel below<br>\$10.75 base | No. of<br>10¢ below<br>\$10.75 base<br>Fuel Price | Decrease<br>to<br>Base<br>price | Annual<br>Base<br>Price | Net<br>Price |
|------------------------------------|---|---|---------------------------------|-------------------------|--------------|
| <u>Incandescent 100 cp.</u>        |   |   |                                 |                         |              |
| U.G. All Night                     | .021  | 10  | .21                             | 29.12                   | .91          |
| U.G. Single, ½ Night               | .009  | "   | .09                             | 25.11                   | .02          |
| Aerial Single, A.N.                | .021  | "   | .21                             | 16.09                   | .88          |
| Aerial Single, ½ Night             | .009  | "   | .09                             | 10.40                   | .31          |
| <u>Miscellaneous</u>               |   |   |                                 |                         |              |
| 250 C.P. U.G. A.N.                 | .043  | "   | .43                             | 52.19                   | .76          |
| 250 C.P. Aerial, A.N.              | .043  | "   | .43                             | 32.19                   | .76          |
| 1000 C.P. Aerial, A.N.             | .132  | "   | 1.32                            | 72.51                   | .19          |
| 1000 C.P. U.G. A.N.                | .132  | "   | 1.32                            | 92.51                   | .19          |
| 1000 C.P. U.G. ½ Night             | .072  | "   | .72                             | 72.39                   | .67          |
| 250 C.P. U.G. ½ Night              | .024  | "   | .24                             | 43.74                   | .50          |
| 10,000 Lu. Sodium, U.G.            | .049  | "   | .49                             | 87.22                   | .73          |
| 10,000 Lu. Sodium, O.H.            | .049  | "   | .49                             | 67.22                   | .73          |
| 600 C.P. Incandescent, O.H.        | .088  | "   | .88                             | 53.57                   | .69          |
| 600 C.P. Incandescent, U.G.        | .088  | "   | .88                             | 73.57                   | .69          |
| 15,000 Lu. Mercury, O.H.           | .097  | "   | .97                             | 71.95                   | 70.98        |
| 15,000 Lu. Mercury, U.G.           | .097  | "   | .97                             | 91.95                   | 90.98        |
| 15,000 Lu. Mercury, U.G. 2 Lt.     | .194  | "   | 1.94                            | 165.90                  | 163.86       |
| 15,000 Lu. Merc. Underpasses 24Hr. | .275  | "   | 2.82                            | 132.16                  | 120.41       |
| 21,000 Lu. O.H.                    | ----  | -   | ----                            | 94.00                   | 94.00        |
| 21,000 Lu. U.G.                    | ----  | -   | ----                            | 114.00                  | 114.00       |
| 6,800 Lu. O.H. Mercury             | ----  | -   | ----                            | 55.00                   | 55.00        |
| 6,800 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. 2 Lt.            |   |   |                                 | 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.  
No new installations.

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:

|      |                |       |
|------|----------------|-------|
| 1963 | September..... | 9.723 |
|      | October.....   | 9.769 |
|      | November.....  | 9.64  |
|      | December.....  | 9.774 |
| 1964 | January.....   | 9.809 |
|      | February.....  | 9.695 |
|      | March.....     | 9.642 |
|      | April.....     | 9.744 |
|      | May.....       | 9.611 |
|      | June.....      | 9.645 |
|      | July.....      | 9.752 |
|      | August.....    | 9.723 |

The above figures show that the average  
price per ton for the year was 9.72  
per ton

\* Standard net ton

The number of lamps and globes reported as broken on  
street lights during the years 1962-1963-1964, is as follows:

| <u>INCANDESCENT</u> | <u>LIGHTS BROKEN</u> | <u>MERC. GLOBES</u> |
|---------------------|----------------------|---------------------|
| 1962-1963           | 5458                 | 95                  |
| 1963-1964           | 5434                 | 142                 |



MALL PARKING DECK LIGHTS  
1 Francis Street

The Mall Parking Deck Lights are charged 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.              | 20,000 Lumen M.V.    | 24 Hours                       |
| 14 U.G. A.N.         | 20,000 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. 20,000 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, 1963   | 3520 K.W.        | 85.97          |
| November, 1963  | 3600 K.W.        | 87.74          |
| December, 1963  | 6280 K.W.        | 122.53         |
| January, 1964   | 6680 K.W.        | 119.22         |
| February, 1964  | 6380 K.W.        | 118.10         |
| March, 1964     | 5840 K.W.        | 112.10         |
| April, 1964     | 5040 K.W.        | 97.44          |
| May, 1964       | 5380 K.W.        | 100.61         |
| June, 1964      | 4760 K.W.        | 94.20          |
| July, 1964      | 4860 K.W.        | 95.45          |
| August, 1964    | 5180 K.W.        | 98.38          |
| September, 1964 | 3520 K.W.        | 81.64          |
|                 |                  | <u>1214.38</u> |

SIGN INSPECTION

Signs inspected for overhead wire clearance 412

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  
SINCE 1935

|      | <u>ARCS</u>                              | <u>INCANDESCENTS</u> |                 |         |          |         |          | <u>SODIUM</u> |            | <u>MERCURY</u> |           |  |
|------|--|----------------------|-----------------|---------|----------|---------|----------|---------------|------------|----------------|-----------|--|
|      | Bridge<br>Structure<br>24 Hr.<br>Burning | 6.6A                 | 5.5A<br>100 cp. | 250 cp. | 1000 cp. | 600 cp. | 1000 cp. | 15000 Lu.     | 15000 Luc. | 7000 Lu.       | 21000 Lu. |  |
| 1935 |  | 1746                 | 8727            | 8       | 130      |         |          |               |            |                |           |  |
| 1936 |  | 1697                 | 8691            | 8       | 214      |         |          |               |            |                |           |  |
| 1937 |  | 1697                 | 8703            | 8       | 214      |         |          |               |            |                |           |  |
| 1938 |  | 1628                 | 8724            | 8       | 320      |         |          |               |            |                |           |  |
| 1939 |  | 1626                 | 8735            | 8       | 328      |         |          |               |            |                |           |  |
| 1940 |  | 1619                 | 8746            | 8       | 331      | 29      | 25       |               |            |                |           |  |
| 1941 |  | 1513                 | 8727            | 8       | 508      | 29      | 25       |               |            |                |           |  |
| 1942 |  | 1513                 | 8731            | 8       | 598      | 29      | 25       |               |            |                |           |  |
| 1943 |  | 1513                 | 8731            | 8       | 540      | 29      | 25       |               |            |                |           |  |
| 1944 |  | 1499                 | 8741            | 8       | 540      | 29      | 25       |               |            |                |           |  |
| 1945 |  | 1485                 | 8756            | 8       | 540      | 29      | 25       |               |            |                |           |  |
| 1946 |  | 1364                 | 8513            | 8       | 554      | 29      | 26       | 19            |            |                |           |  |
| 1947 |  | 1264                 | 8709            | 8       | 568      | 29      | 26       | 179           |            |                |           |  |
| 1948 |  | 1199                 | 8687            | 8       | 568      | 29      | 26       | 256           |            |                |           |  |
| 1949 |  | 750                  | 8624            | 115     | 586      | 29      | 25       | 1049          |            |                |           |  |
| 1950 |  | 514                  | 8701            | 116     | 550      | 29      | 25       | 1556          |            |                |           |  |
| 1951 |  | 298                  | 8721            | 162     | 560      | 29      | 25       | 1855          |            |                |           |  |
| 1952 |  | 124                  | 8668            | 226     | 565      | 29      | 25       | 2360          |            |                |           |  |
| 1953 |  | 36                   | 8671            | 251     | 504      | 29      | 25       | 2802          |            |                |           |  |
| 1954 | 44                                       | 0                    | 8308            | 314     | 506      | 29      | 25       | 3293          |            |                |           |  |
| 1955 | 44                                       | 0                    | 8277            | 414     | 449      | 29      | 25       | 3428          |            |                |           |  |
| 1956 | 44                                       | 0                    | 8228            | 447     | 435      | 29      | 25       | 3476          |            |                |           |  |
| 1957 | 44                                       | 0                    | 8248            | 489     | 391      | 29      | 25       | 3501          |            |                |           |  |
| 1958 | 44                                       | 0                    | 8192            | 484     | 349      | 29      | 25       | 3570          |            |                |           |  |
| 1959 | 44                                       | 0                    | 8236            | 512     | 348      | 29      | 22       | 3593          |            | 7              |           |  |
| 1960 | 44                                       | 0                    | 8244            | 519     | 345      | 29      | 22       | 3623          |            | 42             |           |  |
| 1961 | 44                                       | 0                    | 8212            | 547     | 331      | 29      | 21       | 3607          |            | 88             |           |  |
| 1962 | 44                                       | 0                    | 8122            | 536     | 309      | 29      | 21       | 3567          |            | 118            | 12        |  |
| 1963 | 44                                       | 0                    | 8139            | 541     | 187      | 29      | 21       | 2754          | 825        | 173            | 231       |  |
| 1964 | 44                                       | 0                    | 8136            | 534     | 122      | 29      | 21       | 1081          | 2311       | 245            | 321       |  |

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

### RECAPITULATION

|   |            |
|---|------------|
| Grand Total   | 499,787.43 |
| Total monthly average cost 1962-1963                  | 40,931.00  |
| Total monthly average cost 1963-1964                  | 41,648.95  |
| Increase from previous year of the<br>Monthly Average | 717.95     |
| Total savings in outages                              | 1,579.93   |

| <u>New Street Light Petitions Received</u> | <u>Granted</u> | <u>Rejected</u> | <u>Hold</u> |
|--|----------------|-----------------|-------------|
| 70   | 60             | 3               | 7           |

|  |     |
|--|-----|
| <u>Utility Pole Petitions Received and Field Checked</u> | 192 |
|--|-----|

### SUMMARY

There are now 1081, 15,000 lumen mercury vapor lights in service.

There are now 2311, 15,000c lumen mercury vapor lights in service.

There are now two hundred and forty five (245) 7000 lumen mercury

There are now 321 21,000 lumen mercury vapor lights in service.

The number of 2,500 lumen incandescent lights have been decreased by seven (7), bringing the total number of this type of light now in use to 534.

There are one hundred and twenty two (122) 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 and thirty six (8136) 1000 lumen lights in service (familiar neighborhood type). There have been 60 lights of this type installed during the past fiscal year, on street light petitions.

### EXPENDITURES

|         |                              |              |
|---------|------------------------------|--------------|
| Item 0. | Personal Services            | \$5,408.00   |
| Item 1. | Services other than personal | \$500,515.43 |

## SHOPS & STORES

The Construction and Maintenance Shops and Stores services completely all sections of the Public Works Department, except the Sanitation Division and the Sewer Construction and Maintenance Sections. The Sanitation Division and Sewer Construction and Maintenance are furnished with material and supplies only.

The Sewer Construction and Maintenance Shops and Stores services only the Sewer Construction and Maintenance Section, and the passenger cars rented to the Construction and Maintenance Administration.

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 costs for the rental equipment of these sections.

A detailed resume of the activities of each section is as follows:

### CONSTRUCTION AND MAINTENANCE SHOPS AND STORES

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 following sections and divisions:

|                              |                               |
|------------------------------|-------------------------------|
| Public Works Administration  | Bridge Maintenance Section    |
| Public Service Engineer      | Snow Removal Section          |
| Engineering Office           | Forestry Section              |
| Business Management Office   | Sidewalks and Curbing Section |
| Highway Section              | Public Building Section       |
| Drawbridge Operation Section | Street Cleaning Section       |
| Street Lighting Section      | Family Relocation Service     |

This section also has the responsibility of procuring all material and supplies for the following sections:

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

A list of the available rental equipment is as follows:

|                              |                             |
|------------------------------|-----------------------------|
| 1 Dump Truck 10 cu. yds.     | 1 Hoist Truck 5000#         |
| 2 Compressors, Truck Mounted | 2 Bulldozers TD 18          |
| 33 Dump Trucks, 4 cu. yds.   | 1 Sky Worker                |
| 5 Dump Trucks, 6 cu. yds.    | 1 Welder, Electric Portable |

|                                       |                            |
|---------------------------------------|----------------------------|
| 5 Dump Trucks, 3 cu. yds.             | 2 Shovels, 3/4 cu. yds.    |
| 3 Pickup Trucks, 3/4 ton              | 6 Road Graders             |
| 1 Stake Body Truck, 1 ton             | 2 Mist Sprayers            |
| 1 Panel Truck, 1/2 ton                | 2 Concrete Mixers 3S       |
| 1 Express Body Truck 2 1/2 ton        | 9 Street Sweepers          |
| 1 Express Body Truck 1/2 ton          | 9 Snow Loaders             |
| 3 Cargo Trucks, 6 ton                 | 5 Lawn Mowers, Power       |
| 10 Passenger Cars                     | 21 Tail Gate Spreaders     |
| 7 Air Compressors, Portable           | 80 Snow Plows              |
| 1 Trailer 25 ton Flatbed with Tractor |                            |
| 1 Gradall                             | 4 Front End Loaders        |
| 1 Station Wagon                       | 2 Rollers 10-14 ton Tandem |
| 2 Hoist Trucks 2500#                  | 1 Fork Lift                |
| 1 Roller 8-12 ton Tandem              | 1 Roller 10-12 Tandem      |
| 1 Roller 10-12 ton 3 Wheel            | 1 Paver, Asphalt           |
| 1 Roller 305 ton Portable             | 3 Tool Heaters             |
| 2 Walters Snow Fighters               | 6 Generators, Portable     |
| 2 Rollers 305 ton Tandem              | 6 Tool Wagons              |
| 1 Tar Kettle      3 Leaf Collectors   | 3 Spreader Mounted         |

This equipment is serviced and repaired in the repair shop by personnel of this section.

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

|                          |                 |
|--------------------------|-----------------|
| 2 Dump Trucks 4 cu. yds. | 3 Spreaders     |
| 1 Front End Loader       | 1 Packing Truck |
| 1 Station Wagon          | 1 Generator     |
| 4 Automobiles            | 1 Tar Kettle    |
| 1 Dump Truck 10 cu. yds. | 2 Sweepers      |
| 1 Angeldozer             |                 |

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    |
| 1 Bulldozer TD 9              | City Dump              |
| 2 Buckets, Clamshell          | Incinerator            |
| 4 Buckets, Orange Peel        | Sewer Maint. Section   |
| 1 Roller, 5 ton Tandem        | Recreation Department  |

The Public Works stock room carries much of the materials, parts and supplies required by the sections of the division. An inventory of \$82,208.93 in materials and supplies and parts was on hand in the stock room on September 30, 1963.

#### SEWER CONSTRUCTION AND MAINTENANCE SHOPS AND STORES

This section has no budget allowance. All operating expenses for labor and materials are paid for with the money received from the equipment rentals and for the 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 Construction and Maintenance Administration and the Sewer Construction and Maintenance Section. All automotive and construction equipment used by these sections is obtained from this section on a rental basis.

A list of available rental equipment is as follows:

|                         |                             |
|-------------------------|-----------------------------|
| 4 Eductors              | 4 Air Compressors-Portable  |
| 4 Derrick Trucks        | 3 Centrifugal Pumps (6 in.) |
| 4 Passenger Cars        | 1 Centrifugal Pump (4 in.)  |
| 4 Dump Trucks           | 2 Centrifugal Pumps (3 in.) |
| 1 Cargo Truck (2 ton)   | 1 Diaphragm Pump (4 in.)    |
| 2 Pickup Trucks         | 1 Centrifugal Pump (1½ in.) |
| 1 Set of Sewer Wrenches | 1 Sewer Rod Power Driver    |
| 1 Electric Generator    | 1 Diaphragm Pump (3 in.)    |
| 1 Utility Truck         | 1 Diaphragm Pump (2 in.)    |

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

In addition to rental equipment in the pool this section, through the carpenter shop, repairs and maintains all tools, buildings, sewer gates, etc., for which the Sewer Maintenance Section is responsible. Some work for agencies outside the Sewer Maintenance Section is performed primarily by the carpenter shop.

The work, in either case is paid for by the agency concerned, by paying for the total cost of both labor and materials plus 10% of the total cost. The revenue thus earned is used to defray the cost of operation plus the cost of equipment replacement.

The Public Works stock room carries much of the material, parts and supplies required by the Sewer Maintenance Section & Revolving Fund. An inventory of \$82,208.93 in material and supplies and parts was on hand as of September 30, 1964.

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

|                 |                     |
|-----------------|---------------------|
| 1 Automobile    | 1 Derrick Truck     |
| 1 Utility Truck | 1½ ton Pickup Truck |

## SANITATION DIVISION

Mr. Robert B. Strong  
Director of Public Works  
City Hall  
Providence, Rhode Island

Dear Mr. Strong:

Attached hereto is the annual report of the Sanitation Division of the Public Works Department for the fiscal year 1963 - 1964.

This Division is divided into the following Sections:

|                           |                                 |
|---------------------------|---------------------------------|
| Sanitation Administration | Sewage Treatment                |
| Street Cleaning           | Refuse Collection and Disposal  |
| Sewage Pumping            | Garbage Collection and Disposal |

### 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            | \$13,535.01  |
| ITEM 1 | Services Other Than Personal | 5,203.60     |
| ITEM 2 | Materials and Supplies       | <u>23.34</u> |
| TOTAL  |                              | \$18,761.95  |

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 Ives Street  
 Ives Street from Wickenden Street to Power Street  
 Governor Street from Wickenden Street to Power Street  
 Wayland Avenue from Waterman Street to Angell Street  
 South Angell Street from Wayland Avenue to Butler Avenue  
 Butler Avenue from South Angell Street to Waterman Street  
 Angell Street from Butler Avenue to Wayland Avenue  
 Hope Street from Langham Road to Sixth Street  
 Hartford Avenue from Laurel Hill Avenue to Olneyville Square  
 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.

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. Two new mechanical sweepers were purchased to replace two 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 Eagin 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       | 140    | Miles |
| Machine Broom Sweeping    | 15,383 | Miles |
| Beat Patrol               | 10,920 | Miles |
| Hand Broom Disposal       | 1,530  | Tons  |
| Street Container Disposal | 1,053  | Tons  |
| Machine Broom Disposal    | 9,097  | Tons  |



The expenditures for this section were as follows:

|        |                              |               |
|--------|------------------------------|---------------|
| Item 0 | Personal Services            | \$267,134.87  |
| Item 1 | Services other than Personal | 78,778.38     |
| Item 2 | Materials and Supplies       | <u>941.86</u> |
| TOTAL  |                              | \$346,855.11  |

#### 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.

The main pumping station on Ernest Street has a capacity of two hundred millions of gallons a day. 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            | \$70,139.65     |
| Item 1 | Services other than Personal | 1,852.43        |
| Item 2 | Materials and Supplies       | <u>2,963.95</u> |
| TOTAL  |                              | \$74,956.03     |

#### SEWAGE PUMPING STATION

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

|           | <u>ERNEST STREET</u><br><u>STATION No. 1</u> | <u>WASHINGTON PARK*</u><br><u>STATION No. 2</u> | <u>RESERVOIR AVENUE*</u><br><u>STATION No. 3</u> | <u>TOTAL</u>    |
|-----------|--|---|--|-----------------|
| 1963      |  |   |  |                 |
| October   | 1,075.0                                      | 12.0  | 2.0  | 1,089.0         |
| November  | 1,298.0                                      | 28.0  | 28.0   | 1,354.0         |
| December  | 1,075.0                                      | 35.0  | 35.0   | 1,145.0         |
| 1964      |  |   |  |                 |
| January   | 1,361.0                                      | 35.0  | 35.0   | 1,431.0         |
| February  | 1,236.0                                      | 35.0  | 35.0   | 1,306.0         |
| March     | 1,285.0                                      | 35.0  | 35.0   | 1,355.0         |
| April     | 1,407.0                                      | 35.0  | 35.0   | 1,477.0         |
| May       | 1,209.0                                      | 35.0  | 35.0   | 1,279.0         |
| June      | 1,078.0                                      | 35.0  | 35.0   | 1,148.0         |
| July      | 1,371.0                                      | 35.0  | 35.0   | 1,441.0         |
| August    | 1,081.0                                      | 35.0  | 35.0   | 1,151.0         |
| September | 1,142.0                                      | 35.0  | 35.0   | 1,212.0         |
| TOTALS    | <u>14,618.0</u>                              | <u>390.0</u>                                    | <u>280.0</u>                                     | <u>15,388.0</u> |

\*Estimated Flow

### SEWAGE PUMPING STATION

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

| <u>1963</u> | <u>K.W.H.</u> |
|-------------|---------------|
| October     | 30,900.0      |
| November    | 32,800.0      |
| December    | 45,400.0      |
| <u>1964</u> |               |
| January     | 47,300.0      |
| February    | 41,400.0      |
| March       | 126,300.0     |
| April       | 135,500.0     |
| May         | 29,600.0      |
| June        | 29,800.0      |
| July        | 27,000.0      |
| August      | 27,500.0      |
| September   | 28,500.0      |
| TOTAL       | 602,000.0     |

### SEWAGE DISPOSAL WORKS

This section is responsible for the treatment and disposal of all sewage from the City of Providence, Town of North Providence, Town of Johnston, and wastes from the Narragansett Brewing Company, 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.

#### Estimated Population Served By The Plant:

|                            |         |
|----------------------------|---------|
| Providence                 | 248,000 |
| Johnston                   | 2,200   |
| North Providence           | 12,000  |
| Total Connected Population | 262,200 |

| <u>Sewage Flow</u>                  | <u>Million Gallons</u> |
|-------------------------------------|------------------------|
| Providence                          | 12,804.52              |
| Johnston                            | 479.00                 |
| North Providence                    | 2,742.93               |
| Cranston (Narragansett Brewing Co.) | 159.75                 |
| Total Sewage Flow                   | 16,186.21              |

### SUMMARY OF OPERATIONS

|                                    |           |              |
|------------------------------------|-----------|--------------|
| Total Flow of Sewage               | 16,186.21 | M.G.         |
| Average Daily Flow                 | 44.25     | M.G.         |
| Max. Daily Flow (January 21, 1964) | 105.00    | M.G.         |
| Min. Daily Flow (August 16, 1964)  | 23.77     | M.G.         |
| Total Air Used for Aeration        | 18,369.86 | Mil. Cu. Ft. |
| Liquid Chlorine                    | 760.45    | Tons         |
| Ferric Chloride Used               | 132.78    | Tons         |
| Lime as Chemlime Slurry            | 938.31    | Tons         |

|  |          |       |
|--|----------|-------|
| Total Lime Used  | 538.31   | Tons  |
| Grit Removals  | 250.2    | Tons  |
| Sludge Incinerated   | 23,884.0 | Tons  |
| Ash Removed From Incinerator                               | 4,020.8  | Tons  |
| Fuel Oil Used for Operating Sludge Incinerator<br>(#2 Oil) | 219,681  | Gals. |
| Fuel Used for Heating Administration Building<br>(#2 Oil)  | 4,525    | Gals. |
| Fuel Used for Heating Grit Building (#2 Oil)               | 3,782    | Gals. |
| Fuel Used for Heating P.S.P.S. (#2 Oil)                    | 3,911    | Gals. |
| Fuel Used for Heating S.S.P.S. & Chlorine Bldg.            | 2,178    | Gals. |
| Total Gallons # 2 Fuel Oil Used for Heating<br>Purposes    | 14,396   | Gals. |

Gas Used for Heating Field Laboratory - 132.4 hundred cubic feet

Electric Power used from the Garbage Incinerator.

| <u>1963</u> | <u>K.W.H.</u>           |
|-------------|-------------------------|
| October     | 427,200                 |
| November    | 340,700                 |
| December    | 290,700                 |
| <u>1964</u> |                         |
| January     | 239,600                 |
| February    | 203,200                 |
| March       | 121,600                 |
| April       | 61,600                  |
| May         | 158,200                 |
| June        | 177,700                 |
| July        | 171,000                 |
| August      | 121,700                 |
| September   | 172,800                 |
| TOTAL       | <u>2,486,000 K.W.H.</u> |

The expenditures for the year were as follows:

|        |                              |                   |
|--------|------------------------------|-------------------|
| Item 0 | Personal Services            | 279,827.90        |
| Item 1 | Services Other Than Personal | 175,552.30        |
| Item 2 | Materials and Supplies       | 149,341.03        |
| Item 5 | Capital Outlay Equipment -   | 8.59              |
|        | Total                        | <u>604,729.82</u> |

Supervision of the Sewage Disposal Works by the Engineering Firm of Metcalf & Eddy continued throughout the fiscal year 1963-1964.

Improvements to the Sewage Treatment facilities as recommended by the above firm of Engineers and contracted to the Hart Engineering Company will be completed during the next few months of the new Fiscal Year. The final phase of these improvements consisted of the installation of two 8' x 10' Eimco Vacuum Filters equipped with stainless steel Eimco belts with necessary appurtenances, piping and electrical controls. Upgrading and servicing of the existing B.I.F. chlorinizers and evaporators, from a maximum capacity of 6,000 lbs./day each to 8,000 lbs./day each, has been completed. The new ejector station building was completed and the new Gorman-Rupp Pumps, piping and electrical controls installed. 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 is nearing completion and should be ready for operation in the early months of 1965.

The overall general efficiency of treatment showed marked improvement during the fiscal year 1963-1964. 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 1963-1964 are outstanding as compared with previous years. Although there were evidences of sheaf forming organisms of the sphaerotilus or geotrichum species throughout the year, the concentration of these organisms was controlled to the extent that they did not become a serious factor in the treatment processes.

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.

#### 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. Electrical 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. All Automotive Equipment used, is rented from Shops and Stores Revolving Fund.

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 Steamboilers 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 are 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 for this section for the fiscal year were as follows:

|        |                              |            |
|--------|------------------------------|------------|
| Item 0 | Personal Services            | 615,643.01 |
| Item 1 | Services Other Than Personal | 221,413.82 |
| Item 2 | Materials and Supplies       | 21,822.44  |
| Item 3 | Special Items                | 1,250.53   |
|        |                              | 860,129.80 |

#### GARBAGE COLLECTION AND DISPOSAL

During the fiscal year 200,201 gallons of No. 6 fuel oil were used to maintain the steam pressure in times of emergency or mechanical break down. 85,000 gallons of the above amount was purchased to maintain steam pressure during snow storms.

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>1963</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.        | 427,200                | 30,900                | 13,400                  | 15,610                | 62,890               | 550,000      |
| Nov.        | 340,700                | 32,800                | 9,284                   | 14,800                | 66,416               | 464,000      |
| Dec.        | 290,700                | 45,400                | 18,000                  | 13,750                | 72,150               | 440,000      |
| <u>1964</u> |                        |                       |                         |                       |                      |              |
| Jan.        | 239,600                | 47,300                | 18,568                  | 22,410                | 65,122               | 393,000      |
| Feb.        | 203,200                | 41,400                | 13,400                  | 23,620                | 61,380               | 343,000      |
| Mar.        | 121,600                | 126,300               | 11,400                  | 11,500                | 76,200               | 347,000      |
| Apr.        | 61,600                 | 135,500               | 12,660                  | 16,315                | 67,925               | 294,000      |
| May         | 158,200                | 29,600                | 15,600                  | 14,380                | 64,220               | 282,000      |
| June        | 177,700                | 29,800                | 5,200                   | 12,600                | 67,700               | 293,000      |
| July        | 171,000                | 27,000                | 9,800                   | 13,020                | 56,580               | 277,400      |
| Aug.        | 121,700                | 27,500                | 8,600                   | 11,140                | 75,060               | 244,000      |
| Sept.       | 172,800                | 28,500                | 8,600                   | 11,140                | 63,960               | 285,000      |
| TOTAL       | 2,486,000              | 602,000               | 144,512                 | 180,285               | 799,603              | 4,212,400    |

GARBAGE COLLECTION AND DISPOSAL

TOTAL POWER GENERATED

K.W.H.

|  |        |
|--|--------|
| Average Daily Distributed Load                           | 11,500 |
| Average Daily Distributed Load to Sewage Disposal Works  | 6,800  |
| Average Daily Distributed Load to Sewage Pumping Station | 1,650  |
| Average Daily Distributed Load to Municipal Garage       | 400    |
| Average Daily Distributed Load to Highway Garage         | 500    |
| Average Daily Distributed Load to Garbage Incinerator    | 2,190  |

The monthly ash totals from the Incinerator during the year were as follows:

| <u>1963</u> | <u>Tons</u> |
|-------------|-------------|
| October     | 1,065.00    |
| November    | 965.00      |
| December    | 1,119.50    |
| <u>1964</u> |             |
| January     | 1,004.92    |
| February    | 901.50      |
| March       | 815.50      |
| April       | 1,026.50    |
| May         | 975.50      |
| June        | 977.00      |
| July        | 994.00      |
| August      | 940.00      |
| September   | 948.50      |
| Total       | 11,732.92   |

The following is the total amount of Garbage and Refuse disposed of by this department from October - 1963 to September - 1964

| <u>1963</u> | <u>Garbage (Tons)</u> | <u>Rubbish (Tons)</u> |
|-------------|-----------------------|-----------------------|
| October     | 2,829.97              | 2,573.00              |
| November    | 2,607.47              | 2,063.70              |
| December    | 2,676.31              | 2,306.03              |
| <u>1964</u> |                       |                       |
| January     | 2,668.73              | 2,333.92              |
| February    | 2,277.84              | 2,205.04              |
| March       | 2,575.31              | 1,752.72              |
| April       | 2,773.61              | 2,017.32              |
| May         | 2,764.23              | 2,219.70              |
| June        | 2,824.77              | 2,219.60              |
| July        | 2,770.69              | 2,386.18              |
| August      | 2,700.48              | 2,088.20              |
| September   | 2,856.14              | 2,214.64              |
| Total       | <u>32,325.55</u>      | <u>26,380.05</u>      |

|  |            |
|--|------------|
| Daily average for collection based on 314 working days | 102.9 Tons |
| Daily average for disposal based on 366 working days   | 160.4 Tons |

Considerable work was done on both electric cranes. The 40 H.P. motor on one crane was removed and rebuilt. Trolley pinion gears were replaced, new feeder cables were installed and trolley wires were replaced. New brake drums and shoes were installed. The resistor on one crane was repaired. New trolley wheels and shafts were installed.

The water jacket around the feeding stoker had to be almost rebuilt. New sides and stay bolts were welded in place to prevent leakage.

The arch of Unit No. 1 had to be rebuilt on an emergency basis and it was poured in place. The sump pump and the circulating water pump was repaired during the year.

Turbine No. 2 was taken down and the rotor sandblasted by the Eastern Construction Company. Routine maintenance and repair work was performed on all equipment during the year.

#### 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 on 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 the Sanitation Shop & Stores Revolving Fund on Terminal Road.

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

The total cubic yards collected for the year follows:

|           |        |
|-----------|--------|
| 1963      | TOTAL  |
| October   | 3,632  |
| November  | 4,336  |
| December  | 3,744  |
| 1964      |        |
| January   | 4,128  |
| February  | 3,968  |
| March     | 4,080  |
| April     | 3,744  |
| May       | 4,352  |
| June      | 4,048  |
| July      | 3,568  |
| August    | 4,064  |
| September | 3,808  |
| TOTAL     | 47,472 |

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

|        |                              |              |
|--------|------------------------------|--------------|
| Item 0 | Personal Services            | \$ 93,055.58 |
| Item 2 | Services Other Than Personal | 36,642.23    |
| Item 3 | Materials and Supplies       | 2,226.96     |
|        | TOTAL                        | \$131,924.77 |

#### SANITATION DIVISION REVENUE

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

|                                 |              |
|---------------------------------|--------------|
| Sewage Pumping Station          | \$ 10.55     |
| Sewage Disposal Section         | 155,447.83   |
| Garbage Collection and Disposal | 36,862.86    |
| Refuse Collection and Disposal  | 50.00        |
| TOTAL                           | \$192,371.24 |

#### RECOMMENDATIONS

Consideration should be given to the installation of a warning system for the detection of radio active isotopes in the sewerage system of the City. This alarm should be installed at such a point in the system that the employees at the Sewage Pumping Station and the Sewage Treatment Plant would be warned in time to protect the men on duty from radioactivity. Radio active isotopes are being used more and more these past years in industry and medicine and it is possible that they could inadvertently find their way into the Sewerage system. A Geiger counter should be on hand at the Sewage Treatment Plant.

The Bypass channels at the screen chamber of the Sewage Treatment Plant should be completely revised to prevent the disposition of grit in both channels.

The feeding and burning stokers in plant No. 1 Incinerator, should be completely rebuilt and new tracks, supports and chain stoker installed. Also in plant No. 1, the water jacket around the feeding stoker should be completely rebuilt, and the ash troughs and chutes repaired extensively.

Many of the items mentioned in last year's report are to be done within the next year on a Bond issue authorized recently by the Voters of Providence.

Respectfully submitted,

Howard F. Carpenter  
Chief of Sanitation Division



HARBOR DIVISION  
MUNICIPAL DOCK DIVISION

Mr. Robert B. Strong  
Director of Public Works  
City Hall  
Providence, Rhode Island

Dear Sir:

Following is the Annual Report covering activities of the Municipal Dock for the year ending September 30, 1964.

Again we show a healthy increase in both tonnage and revenue.

With the availability of additional land at the south end of the Municipal Wharf the prospects are good for further increase in tonnage and revenue in the very near future.

REVENUE

|                                 |               |
|---------------------------------|---------------|
| Lease of Storage Warehouse..... | \$ 69,957.91  |
| Land.....                       | 87,205.02     |
| Telephone.....                  | 105.08        |
| Trackage.....                   | 5,613.75      |
| Sale of Water.....              | 1,663.09      |
| Dockage.....                    | 114,810.47    |
| Sale of Electricity.....        | 40.00         |
| Refund on Water.....            | 1,862.32      |
|                                 | \$ 281,257.64 |

EXPENDITURES

|             |              |
|-------------|--------------|
| Item 0..... | \$ 30,763.81 |
| Item 1..... | 8,896.85     |
| Item 2..... | 1,794.69     |
|             | \$ 41,455.45 |

The following rigs arrived at the Municipal Dock from October 1, 1963 to September 30, 1964:

|                              |          |
|------------------------------|----------|
| Steamships                   | 83       |
| Motor Vessels                | 112      |
| Barges                       | 95       |
| U. S. Navy Ship              | 2        |
| Nuclear Ship                 | 1        |
| Square Rigger Training Ships | 3        |
| Yawl                         | 1        |
| Schooner                     | 1        |
| TOTAL                        | 298 Rigs |

The following cargo arrived at the Municipal Dock from October 1, 1963 to September 30, 1964:

Railroad cars. . . 2,821

|               |                          |
|---------------|--------------------------|
| Gasoline      | 332,985 Tons             |
| Fuel Oils     | 200,558 "                |
| Kerosene      | 19,838 "                 |
| Lube Oils     | 13,297 "                 |
| Lumber        | 93,876 (56,327,480 B.F.) |
| Cement        | 76,011 "                 |
| Asphalt       | 60,528 "                 |
| Steel         | 2,543 "                  |
| Chemicals     | 5,903 "                  |
| Pig Iron      | 6,572 :                  |
| General Cargo | 13,462 "                 |
| TOTAL:        | 825,573 TONS             |

The following cargo was shipped from the Municipal Dock from October 1, 1963 to September 30, 1964:

General Cargo (Machinery, Paper & Scrap Iron). . . 32,173 Tons

ARRIVED OCTOBER 1, 1963 to SEPTEMBER 30, 1964

|       | <u>GASOLINE</u> | <u>FUEL OILS</u> | <u>KEROSENE</u> | <u>DIESEL</u> | <u>LUBE OILS</u> | <u>ASPHALT</u> | <u>CEMENT</u> | <u>CHEMICALS</u> |
|-------|-----------------|------------------|-----------------|---------------|------------------|----------------|---------------|------------------|
| Oct.  | 181,494         | 304,302          | 12,663          | 7,989         | 3,132            | 7,000          | 15,717        | 2,561            |
| Nov.  | 179,924         | 369,328          | 24,387          | 4,805         | 5,922            | 8,958          | 9,752         | 1,840            |
| Dec.  | 199,005         | 371,219          | 24,989          | 9,007         | 1,836            | 9,258          | 14,362        | 1,348            |
| Jan.  | 142,214         | 547,698          | 35,177          | 4,821         | 8,423            | 1,312          | -             | 832              |
| Feb.  | 231,735         | 405,424          | 56,387          | 15,494        | 3,690            | -              | -             | 1,928            |
| Mar.  | 225,827         | 339,337          | 13,971          | 7,259         | 4,834            | 5,630          | -             | 800              |
| April | 208,721         | 314,602          | 31,548          | 13,314        | 2,299            | 10,000         | 26,757        | -                |
| May   | 234,826         | 291,976          | 13,536          | 8,999         | 5,196            | 10,917         | 17,781        | 2,200            |
| June  | 170,014         | 172,023          | 16,980          | 4,595         | 7,480            | 5,973          | 13,242        | -                |
| July  | 259,389         | 258,531          | 2,963           | 15,593        | 1,948            | 15,666         | 10,168        | 1,600            |
| Aug.  | 182,882         | 132,566          | 30,064          | 1,707         | 3,329            | 11,266         | 11,775        | -                |
| Sept. | 249,884         | 277,805          | 18,120          | 11,070        |                  | 12,499         | 16,587        | 1,600            |
| TOTAL | 2,465,315       | 3,784,811        | 280,785         | 104,653       | 48,089           | 98,479         | 136,141       | 14,709           |

ARRIVED OCTOBER 1, 1963 to SEPTEMBER 30, 1964

|       | COAL    | LUMBER |                  | GEN. CARGO |
|-------|---------|--------|------------------|------------|
| Oct.  | 77,196  | 6,403  | (3,841,942 B.F.) | 1,660      |
| Nov.  | 12,248  | 10,408 | (6,244,806 "     | ---        |
| Dec.  | 24,936  | 1,724  | (1,034,406 "     | ---        |
| Jan.  | 26,028  | 10,872 | (6,523,409 "     | 529        |
| Feb.  | 61,915  | 13,705 | (8,223,145 "     | ---        |
| Mar.  | 54,476  | 2,057  | (1,234,535 "     | 530        |
| Apr.  | 25,558  | 11,842 | (7,105,409 "     | 1,510      |
| May   | 28,564  | 3,906  | (2,343,648 "     | 7,200      |
| June  | 66,585  | 4,876  | (2,925,668 "     | 864        |
| July  | ---     | 18,638 | (11,183,108 "    | 3,469      |
| Aug.  | 28,916  | 2,895  | (1,737,006 "     | 10,137     |
| Sept. | 29,055  | 6,550  | (3,930,398 "     | 9,741      |
| TOTAL | 435,477 | 93,876 | 56,327,480 B.F.  | 35,613     |

TOTAL 7,497,948 Tons Received

FOLLOWING RIGS ARRIVED AT THE HARBOR FROM OCTOBER 1, 1963 to SEPTEMBER 30, 1964

| MONTH | STEAMSHIPS | MOTOR VESSELS | BARGES | TUGS | DREDGE | SCOWS | U.S.N. DESTROYER | U.S.N. SUB | NUCLEAR SHIP | SQUARE RIGGER TRAINING SHIPS | SCHOONERS |
|-------|------------|---------------|--------|------|--------|-------|------------------|------------|--------------|------------------------------|-----------|
| Oct.  | 36         | 50            | 11     | 72   |        |       | 1                | 1          |              |                              |           |
| Nov.  | 31         | 40            | 14     | 61   |        |       |                  |            |              |                              |           |
| Dec.  | 32         | 36            | 20     | 60   |        |       |                  |            |              |                              |           |
| Jan.  | 40         | 54            | 21     | 64   | 1      | 2     |                  |            |              |                              |           |
| Feb.  | 45         | 25            | 22     | 56   |        |       |                  |            |              |                              |           |
| Mar.  | 35         | 51            | 32     | 83   |        |       |                  |            |              |                              |           |
| Apr.  | 36         | 42            | 17     | 47   |        |       |                  |            |              |                              |           |
| May   | 37         | 44            | 17     | 51   |        |       |                  |            |              |                              |           |
| June  | 29         | 55            | 12     | 65   |        |       |                  |            |              |                              |           |
| July  | 31         | 69            | 13     | 57   |        |       |                  |            | 1            | 4                            | 2         |
| Aug.  | 32         | 71            | 11     | 66   |        |       |                  |            |              |                              |           |
| Sept. | 31         | 61            | 16     | 61   |        |       |                  |            |              |                              | 1         |
| TOTAL | 415        | 598           | 206    | 743  | 1      | 2     | 1                | 1          | 1            | 4                            | 3         |

OCTOBER 1, 1963 to SEPTEMBER 30, 1964

|          |           |      |
|----------|-----------|------|
| Received | 7,497,948 | Tons |
| Shipped  | 1,083,574 | Tons |
| Total:   | 8,581,522 | Tons |

SHIPPED OCTOBER 1, 1963 to SEPTEMBER 30, 1964

|       | <u>GASOLINE</u> | <u>FUEL OILS</u> | <u>KEROSENE</u> | <u>DIESEL</u> | <u>ASPHALT</u> | <u>SCRAP</u> | <u>GEN. CARGO</u> |
|-------|-----------------|------------------|-----------------|---------------|----------------|--------------|-------------------|
| Oct.  | 25,432          | 36,578           | 5,723           | 2,017         | 7,500          | 16,074       | -                 |
| Nov.  | 21,954          | 26,614           | 5,054           | 1,800         | 17,000         | 10,578       | -                 |
| Dec.  | 24,299          | 39,445           | 6,758           | 920           | -              | -            | -                 |
| Jan.  | 44,336          | 60,954           | 7,039           | 1,568         | 2,500          | 10,252       | -                 |
| Feb.  | 13,945          | 41,551           | 7,112           | -             | -              | 9,875        | 396               |
| Mar.  | 41,653          | 46,753           | 6,696           | 510           | 9,000          | 10,659       | 1,407             |
| Apr.  | 33,067          | 32,553           | 4,520           | 1,687         | -              | 21,623       | 1,997             |
| May   | 43,558          | 18,386           | 5,151           | 1,655         | 14,666         | 17,507       | 1,933             |
| June  | 30,476          | 20,937           | 1,524           | 2,640         | -              | -            | 933               |
| July  | 39,159          | 9,198            | 647             | 985           | 14,833         | 21,000       | 830               |
| Aug.  | 42,392          | 17,411           | 5,577           | 1,402         | 8,556          | -            | -                 |
| Sept. | 42,075          | 20,500           | 12,374          | 831           | 7,000          | 18,815       | 162               |
| TOTAL | 402,346         | 370,880          | 67,167          | 16,085        | 30,389         | 136,383      | 7,658             |

TOTAL 1,083,574 Tons Shipped

HARBOR DIVISION

HARBOR MASTER SECTION

Following is the Annual Report covering activities of the Harbor Master Section for the year ending September 30, 1964:

|        |                |
|--------|----------------|
| Item 0 | 3862.41        |
| Item 1 | 122.71         |
| Item 2 | 32.44          |
|        | <u>4017.56</u> |

|                 |        |
|-----------------|--------|
| Revenue         |        |
| Refund on Water | \$8.44 |

The following rigs arrived in the Providence Harbor during the period of October 1, 1963 to September 30, 1964:

|                              |     |
|------------------------------|-----|
| Steamships                   | 415 |
| Motor Vessels                | 598 |
| Barges                       | 206 |
| Tugs                         | 743 |
| Dredge                       | 1   |
| Scows                        | 2   |
| U.S.N. Destroyer             | 1   |
| U.S.N. Sub                   | 1   |
| Nuclear Ship                 | 1   |
| Square Rigger Training Ships | 4   |
| Schooners                    | 3   |

The following cargo arrived in the Providence Harbor and the following cargo was shipped during the period of October 1, 1963 to September 30, 1964:

| RECEIVED   |                |
|------------|----------------|
| Gasoline   | 2,465,315 Tons |
| Fuel Oils  | 3,784,811 "    |
| Kerosene   | 280,785 "      |
| Diesel     | 104,653 "      |
| Lube Oils  | 48,089 "       |
| Asphalt    | 98,479 "       |
| Cement     | 136,141 "      |
| Chemicals  | 14,709 "       |
| Coal       | 435,477 "      |
| Lumber     | 93,876 "       |
| Gen. Cargo | 35,613 "       |
| TOTAL:     | 7,497,948 Tons |

| SHIPPED    |                |
|------------|----------------|
| Gasoline   | 402,346 Tons   |
| Fuel Oils  | 370,880 "      |
| Kerosene   | 67,167 "       |
| Diesel     | 16,085 "       |
| Asphalt    | 83,055 "       |
| Scrap      | 136,383 "      |
| Gen. Cargo | 7,658 "        |
| TOTAL:     | 1,083,574 Tons |

|                       |                           |
|-----------------------|---------------------------|
| 7,497,948             | Tons Received             |
| 1,083,574             | Tons Shipped              |
| TOTAL:..... 8,581,522 | Tons Rec'd & Tons Shipped |

Very truly yours,

James J. Fisher  
Harbor Master

PUBLIC SERVICE DIVISION

Mr. Robert B. Strong  
Director of Public Works  
City Hall  
Providence, Rhode Island

Dear Sir:

I respectfully submit the following report for the Public Service Division for the fiscal year 1963-1964.

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.) | 18184   |
|        | (b) | Total number jointly owned poles with N.E.T. & T. Company  | 13552   |
|        |     | " " " " " " U.E.R. Company   | 0       |
|        |     | " " " " " " Wes. Un. Tel. Co.  | 0       |
|        |     | " " " " " " Pos. Tel. Co.  | 0       |
|        |     | " " " " " " N.E.T. & U.E.R. (3party)   | 0       |
|        |     | " " " " " " U.E.R. & Wes. Un. Tel. Co.   | 0       |
|        |     | " " " " " " N.E.T. & Wes. Un. Tel. Co.   | 0       |
| 2.     |     | Total number iron poles in city  | 247     |
|        |     | Number of underground street light standards   | 2132    |
|        |     | " " Ornamental arc   | 0       |
|        |     | " " Ornamental incandescents (Mercury Vapor)   | 2132    |
|        |     | " " 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. Company   | 0       |
|        |     | " " Iron poles with N.E.T. & N. Company  | 9       |
| 3.     |     | Total number miles conduit (trench feet) in city   | 83.68   |
| 4.     |     | " " miles conduit (duct feet) in city  | 691.23  |
| 5.     |     | " " Underground cable in city  | 900.74  |
| 6.     |     | " " miles equivalent single underground conductor  | 1257.82 |
| 6. (a) |     | " " aerial cable   | 351.65  |
| 6. (b) |     | " " equivalent single conductor aerial cable   | 927.11  |
| 7.     |     | " " aerial open wire   | 3817.53 |
| 8.     |     | " " service pipes or laterals  | 68.56   |
| 9.     |     | " " commercial transformers in city  | 5958    |
| 10.    |     | " " customers supplied directly by U.G. connection   | 24493   |
| 11.    |     | " " customers supplied directly by O.H. connection   | 48985   |
| 12.    |     | " " meters installed in city   | 73478   |
| 13.    |     | Approximate total number of 1Ø 2 wire 115 V. meters in city  | 29453   |
| 14.    |     | " " " " 1Ø 3 wire 115/230 V. meters in city  | 39024   |
| 15.    |     | " " " " 1Ø 2 wire 250 V. meters in city  | 0       |
| 16.    |     | " " " " 1Ø 3 wire 250/500 V. meters in city  | 0       |
| 17.    |     | " " " " 3Ø 3 wire 115 V. meters in city  | 12      |
| 18.    |     | " " " " 3Ø 3 wire 250 V. meters in city  | 245     |
| 19.    |     | Total number of 3Ø 4 wire 120/208 V. meters in city  | 1575    |
| 20.    |     | " " " " 1Ø 3 wire 120/208 V. meters in city  | 1844    |
| 21.    |     | " " " " D.C. 2 wire and 3 wire 250 and 250/500 V. meters in city.  | 55      |
| 22.    |     | Approximate total number of 3Ø 3 wire 575 V. meters in city  | 1270    |

PROVIDENCE GAS COMPANY

Total Gas Services in Providence 37,624

Miles of Main:

|                              |                   |               |        |
|------------------------------|-------------------|---------------|--------|
| L.P.                         | 395 Miles         | 302 Feet      |        |
| H.P.                         | 12 Miles          | 2,214 Feet    |        |
| Natural Gas                  | 1 Mile            | 1,600 Feet    |        |
| Total                        | 408 Miles         | 4,316 Feet or | 408.8  |
| Gas Holders                  |                   |               | 4      |
| Number of Meters (Active)    |                   |               | 53,234 |
| Decrease in Gas Services     | 9/30/63 - 9/30/64 |               | 122    |
| Increase in Miles of Main    | " - "             |               | 3.7    |
| Decrease in Number of Meters | " - "             |               | 424    |

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

|  |        |
|--|--------|
| Total number wood poles (including jointly used, but not including those jointly used with no ownership) | 16,783 |
| Total number of jointly used poles with N.E. Company   | 13,552 |
| Total number of jointly used iron poles with N.E. Co.  | 9      |
| Total number of miles main conduit (trench miles)  | 63.53  |
| Total number of miles U.G. cable   | 301.02 |
| Total number of miles aerial cable   | 271.61 |
| Total wood terminal boxes on poles   | 198    |
| Approximate number of telephones supplied directly by underground or block distribution                  | 47,920 |
| Approximate number of telephones supplied directly by overhead lines on highways                         | 45,375 |

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 | 12.54 |
| Increase in the number of telephones in use | 378   |

ESTIMATE

This report covers plant statistics as of September 30, 1964

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    |
| 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                                     | 1,252  |
| Total number of traffic signal poles                                     | 640    |
| Total number of traffic signal controllers (local)                       | 175    |
| Total number of traffic signal controllers (master)                      | 6      |
| Total number of feet of underground ducts and laterals                   | 73,991 |
| Total number of miles of underground cable                               | 29.5   |
| Total number of miles of aerial cable                                    | 5.5    |
| Total number of miles of equivalent single conductor (underground cable) | 156.7  |
| Total number of miles of equivalent single conductor (aerial cable)      | 27.5   |

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, 1964

|   | Total | Aerial | U.G. | Door Types<br>Quick Action | Key     | Keyless |
|---|-------|--------|------|----------------------------|---------|---------|
| Fire Alarm Boxes  | 971   | 601    | 370  | 949                        | 9       | 13      |
| City Owned  | 675   | 414    | 361  | 949                        | 0       | 0       |
| Privately Owned   | 296   | 187    | 109  | 274                        | 9       | 13      |
| Police Call Boxes   | 167   | 103    | 64   |                            |         |         |
| Total Number of All Box and Cable Pedestals                       |       |        |      |                            | 334     |         |
| " " " " Fire Alarm Box Pedestals                                  |       |        |      |                            | 237     |         |
| " " " " Police Box Pedestals                                      |       |        |      |                            | 67      |         |
| " " " " Cable Pedestals Only                                      |       |        |      |                            | 36      |         |
| " " " Miles of Underground Cables                                 |       |        |      |                            | 85.15   |         |
| " " " " Parkway Cables  |       |        |      |                            | 1.47    |         |
| " " " " Aerial Cables   |       |        |      |                            | 3.52    |         |
| " " " " Equivalent Single Conductor - Underground                 |       |        |      |                            | 1258.40 |         |
|   |       |        |      | Aerial                     | 129.30  |         |
|   |       |        |      | Parkway                    | 6.42    |         |
| " Footage of all Underground Ducts and Laterals Owned by the City |       |        |      |                            | 3445.6  |         |
| " Number of Poles Owned by the City                               |       |        |      |                            | 36.     |         |
| Increase in the number of Fire Alarm Boxes owned by the City      |       |        |      |                            | 10.     |         |
| " " " " " " " " Privately Owned                                   |       |        |      |                            | 2.      |         |

These increases are for the year 1963/1964

### 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 of 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 24, which probably indicates that a weekly copy of the percentage breakage that is mailed to Commissioner Lennon, 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 is still in the process of replacing all existing 15000 lumen mercurys to 21000 lumen which is improving the present lighting on our main highways. The conversion of all the 15000 Lumen under ground lights has already been completed.

The relighting of Elmwood Avenue with the new 21000 Lumen Mercury Luminaires shall be completed very soon.

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 192 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 flood-lights, 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.

As of April 28, 1964, the City of Providence turned over to the State of Rhode Island the following Freeways: Olneyville Expressway (Roberts Freeway), Huntington Expressway, North-South Freeway and the George M. Cohan Boulevard. By this transfer of Street Lighting, the City of Providence saves \$22,058 Dollars per year.

Field work with the utility companies on pole locations, such as driveways, removals, settings, and underground conduit work, along with our own street light petitions with their necessary field work, as well as sign inspection in regard to overhead line clearance constitutes the bulk of this Public Service Work.

Therefore, it would seem advisable to again recommend to the department that an assistant be added to the Street Lighting Department to maintain and keep up to date the files and outage records so that our department can work in closer proximity and more effectively with both utility companies.

Respectfully submitted,

Peter J. Hicks, Jr.  
Public Service Engineer

## FAMILY & BUSINESS RELOCATION SERVICE

Mr. Robert B. Strong  
Director of Public Works  
City Hall  
Providence, Rhode Island

Dear Mr. Strong:

This annual report reflects all the activities of the Family & Business Relocation Service conducted from October 1, 1963 through September 30, 1964.

It is the aim and objective of the Relocation Service to assist families in finding decent, safe and sanitary housing within their economic reach and in a suitable location convenient to their employment. While carrying out these primary objectives, it is equally important to provide various rehabilitation services in the realm of social and economic entities.

During the year, three offices have been in operation relative to our three phase program, namely, the Weybosset Hill site office for our urban renewal program, the Federal Aid Highway office for highway projects and our main office for all non-highway and non-urban renewal activities.

Our present staff of 20 individuals with special techniques are assigned to the 3 offices enumerated above.

It is interesting to note that the Relocation Service, in submitting this annual report, has completed 15 years of activity in the field of relocation. During this period of time, many new dimensions have been added to the program; some of the important elements will be mentioned in this report.

During the past year, the Service was engaged in 15 projects. Of this number, 4 were in the field of Urban Renewal, 10 under the Federal Aid Highway Act and the remaining project was completed through the cooperation of the Providence Housing Authority.

A total of 370 residents were relocated during the year. While our actual case load involved 776 residents, the 370 relocatees represents the exact number which were successfully relocated during the year. At the end of this period, there were 406 residents remaining in the workload. During the past fiscal year, 8 projects were completed and therefore closed out.

The commercial phase of relocation continues to remain an important segment of our total program. During the past year, 12 projects were registered within our total workload with the breakdown as follows: 1 Urban Renewal project, 10 under the Federal Aid Highway Act and the remaining project under the auspices of the Providence Housing Authority. A total of 62 commercial establishments were registered with the Service during the 12 month period. Of this number, 34 were successfully relocated, 28 remained at the end of the fiscal year. A total of 4 projects were completed and closed out at the end of the year.

In reviewing the workload for the past 12 months, two projects, namely the Lippitt Hill Demonstration Rehabilitation Project and the Social Planning Function of the East Side Urban Renewal Project required specialized programing in carrying out a detailed process within the relocation field.

A new dimension was added to our activities in the field of study programing through the awarding of a \$35,000 grant from the Ford Foundation to make a detailed study of the impact of relocation on elderly persons. The grant will cover a period of two years, from October 1, 1963 through September 30, 1965. The City of Providence was one of 4 cities selected in the nation to undertake this new approach to the problems of the elderly in relocation.

In keeping with past policy, all residents were given detailed attention with a definite emphasis placed on the human needs of the individual.

In a general review of our total activities, various accomplishments can be denoted with the increase of working relationship agreements established with many private and public health, welfare, employment, education and recreational organizations.

In anticipation of the Community Renewal concept, many new developments shall take place changing the course of the relocation activity in the future.

#### RESIDENTIAL DISPLACEMENT

This phase of our program diminished slightly during the past year and is largely reflected in the smaller number of projects condemned by the Rhode Island State Department of Public Works. While a total of 370 residents were relocated during the past year, the total case load involved 776 units. The case load carried into the present fiscal year, totals 406 units. The Relocation Service completed and closed out 8 projects during the year.

Some of the problems faced during the year were focused on the elderly segment of our population. A specialized case worker was assigned to the Weybosset Hill office to give additional services over and above our two full-time Social Case Workers. Realizing that elderly residents have added burdens in the relocation process, greater attention has been focused in coping with these multi-problem individuals.

#### COMMERCIAL RELOCATION

During the year, 12 projects were registered with the Service in the clearance programs for commercial establishments. The year began with a total of 62 commercial establishments registered on the various sites. Of this figure, 34 were successfully relocated and the remaining 28 were carried into the present fiscal year. A total of 4 projects were completed and closed out during this period of time.

The Service continues to devote great time and effort in meeting its responsibility to the commercial establishments. While the problems of available rental space and leasing fees were outstanding, good progress has been denoted in meeting this challenge.

We have two commercial specialists who are playing an important part in assisting the commercial concerns with their various problems.

A separate listing file has been made available to the management or owners of the various firms within our jurisdiction.

We have been working closely with the Small Business Administration in making available information and data to the businessman.

The problem still remains in finding adequate business properties near transportation facilities located around the central core business area. Every reasonable effort is being made to lessen the impact of relocation on the business concern.

#### LISTING PROCESSED DURING THE YEAR

The demand for listings in the rental and sales categories remained somewhat static during the past year.

The greatest demand made upon the Relocation Service for listings resulted from the condemnation of the Weybosset Hill Urban Renewal Project. While the program has been geared towards tenements and flats in the rental phase, the nature of the Weybosset Hill project necessitates a change in our approach in order to make available rental rooms for over 400 residents residing in the Weybosset Hill project. Therefore, to some extent, the advertising approach had to be pointed towards an appeal for rooms and small apartments as opposed to tenement housing.

The Relocation Service registered a total of 384 properties, during the fiscal year; for the most part, this housing was located in the City of Providence.

The Service continued to use the American Public Health Association Standard Scoring System in processing listings. During the year, additional courses of instruction were completed by our 4 Housing Inspectors in the full implementation of the deficiency scoring point system. A complete set of scoring material was provided each member of the inspection staff. This relatively small expenditure should result in a more efficient operation under the A.P.H.A. system of scoring housing.

#### INTER-RACIAL ACTIVITY

The number of non-white displacees reported in our work load during the past year was smaller than in previous years. However, continued focus is being carried out in coping with the problems of finding decent, safe and sanitary housing for our minority families.

During the year, Mrs. Henri W. Lopes assumed the position as Inter-group Specialist.

One of the 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.

In the early part of the year, the Administrator appeared before the Providence Human Relations Commission to make a full report on the activities of the Relocation Service relative to non-white displacees.

This hearing was conducted by the Commission in order to improve methods and procedures in procuring additional and improved housing for minority families.

As in the past, the Services is making a fervent effort to improve racial relationships within the community as part of our overall responsibility.

#### SPECIALIZED PROGRAM FOR THE ELDERLY

The Service continued to make steady progress in coping with the unique problems faced by the Elderly in relocation.

During the twelve month period, specialized services were rendered to the Elderly occupants within four project areas. It is interesting to note that two of the projects involved the Federal Highway Program, with Weybosset Hill representing the Urban Renewal phase and Bradford House for the Elderly under the auspices of the city.

A total of 68 Elderly residents were successfully relocated during the year. In addition, private and public agencies assisted the Service in coping with many of the complex problems faced in the relocation of Elderly persons.

#### FORD FOUNDATION ELDERLY STUDY GRANT

During the early part of the fiscal year, the Relocation Service was awarded a Two Year Demonstration Grant by the Ford Foundation in the amount of \$35,000 to make a specialized study of Elderly displacees.

With the grant underway, a specialized staff has been devoting full time in carrying out the agreements of the contract.

In addition, the Relocation Service contracted with the Rhode Island Council of Community Services, Inc., to carry out the project design and the initial interviewing process under a \$8,024 contract.

During the year, the Service completed the original study phase and at the present time is involved in the service aspect of the study.

It is our intention to identify the problems faced by the Elderly in the relocation process and to make available new methodology in coping with the complexities involving elderly displacees.

National attention, relative to the study, has been drawn from our unique experience here in the City of Providence.

#### RANDALL SQUARE DIAGNOSTIC STUDY AND SOCIAL ACTION PROGRAM

A major portion of our time has been devoted to the specialized program in the Randall Square phase of the East Side Urban Renewal Project. A staff of 2 Social Case Workers and 1 Clerical Assistant are currently devoting full time to this new pioneering effort. The Administrator and Case Work Supervisor are overseeing the project.

It is interesting to point out that the Social Case Workers have registered 70 families and 55 individuals in the original interviewing process which commenced in March of 1963.

At the end of the present fiscal year, 54 families and 35 individuals remained within the project area. As one can readily see, our time and effort has been well spent in the stabilization of residents moving from the area.

During the year, two major meetings were held in cooperation with 14 private and public health, welfare and employment agencies. Most of our activity has been focused on the relocation aspect on a long-range basis. Close supervision and detailed case work has been carried out by the staff through a systematic visiting and referral procedure. To date, some 222 referrals for services have been recorded in working with social, health and employment agencies. The overall response from our site occupants has reached a high plane.

All data and information pertaining to this specialized project has been carefully documented for future use and reporting. The experience and success denoted to date should be measured against past project experience, which ultimately will afford the Relocation Service an opportunity to make recommendations for procedural changes in future Federal projects.

#### PUBLIC AFFAIRS ACTIVITY

This phase of activity continues to demand much time and effort in the preparation of releases, scripts and reporting on our progressive program.

Several cities, such as, Boston, Springfield and Franklin, Massachusetts, New Haven and Rockville, Connecticut, in addition to the District of Columbia, were some of the cities that requested information on specific phases of our relocation program.

In addition to these inquiries, several staff hours were devoted to the participation in various studies and critiques involving the Menninger Foundation of Topeka, Kansas and the University of Pennsylvania relative to population studies and pertinent data in procedures and policy.

Much time has been devoted to a full-fledged speaking program with neighborhood associations and councils within the City of Providence.

During the twelve month period many telecasts were conducted in the areas of panel discussions, news items and film strips. Great attention has been focused on the ability of the Relocation Service to disseminate information to the public in carrying out our various responsibilities to the community.

#### JOINT PROGRAM FEDERAL AID HIGHWAY ACT

The Relocation Service continues to participate in the State Federal Highway System. During the past year, 10 active projects were carried out in the overall work load.

In April of 1964, after many months of negotiations, a formal contract was consummated with the State of Rhode Island Department of Public Works under the Federal Aid Highway Act of the Congress of the United States.

Under the terms of this contract, the Relocation Service becomes the Local Public Agency responsible for all highway displacement in the realm of residential and commercial activities.

For the first time, this new development will result in the Relocation Service being reimbursed for all relocation technical assistance rendered to the State of Rhode Island on Federal Highway Projects.



As part of our contract a formal procedure has been initiated whereby directives for the Federal Bureau of Public Roads are to be followed in carrying out the terms of the contract.

With the advent of the Federal Aid Highway Act, a new relocation payment program was initiated whereby all eligible residents may receive up to \$200 for a given move. Under the Act, the commercial establishments may receive up to \$3,000 for a commercial move from the project area. It is the responsibility of the Relocation Service to investigate and process all claims submitted under the Federal Aid Highway Act agreement.

Under this formalized contract, the new relationship will insure adequate and protective services for all displacees in future projects.

Early in the year, a public hearing was conducted by the United States House of Representatives through the Select Sub-Committee on Real Property Acquisition. At the Committee's request, the Administrator testified before the Committee at a hearing held in Providence early in the year. In addition to a formal written statement, an oral statement accompanied the Administrator's appearance before the Committee. In view of the lengthy experience of the Relocation Service, the Committee appreciated the data and detailed information which was submitted. The purpose of the hearing was focused on the consideration of making changes in the federal program which would benefit various cities throughout the nation.

The Administrator was invited to participate at a later date before the Committee on Public Works, House of Representatives in Washington, D. C.

#### CITY RELOCATION ACTIVITY

In keeping with past history, the Relocation Service continued to assist displacees in City Projects.

During the year, our services were engaged to relocate the residents and business firms located on the Bradford House for the Elderly Project. A specialized agreement was made providing social case work and inspection services to the displacees.

In order to assure adequate, reasonable and necessary moving expense payments, the Providence City Council enacted an ordinance whereby residents and business firms could be made eligible for relocation payments in clearance projects undertaken by a municipality. This progressive legislation enables the Relocation Service to reimburse the various site occupants and businessmen in all phases of the total relocation program.

#### SUMMARY

Historically speaking, the data, information and statistics contained in this report reflects to some degree the accomplishments and experiences gained over the past 15 years.

It is interesting to note that several accomplishments have been reached in going about the serious task of assisting families in finding homes and motivating them towards a better way of life.

While the report reflects the actual day-to-day operations, it is difficult to portray the various added incentives and new methodology incorporated in the program for the betterment of our families and individuals.

With this depth of experience behind us, it appears imperative to make some recommendations which will afford us the opportunity to better serve people living within future project areas.

In all programs serving people new problems arise which demands new solutions. We feel confident that under the central relocation system, diversification and flexibility are the keynotes for a well-rounded program.

As one would expect, the problems inherent in the clearance of public project areas requires dedication and a deep understanding if an agency is to perform its function properly.

The Relocation Service has been closely allied with many private and public agencies in the realm of health, welfare, education and employment. When we realize that no social problem is a simple one, we begin to perceive the magnitude of the relocation picture. With these basic thoughts in mind, a fervent effort has been made to take into consideration all of the ramifications involved in the totality of the program.

As a resultant factor, our Social Case Workers have devoted great time and energy in assisting our site occupants towards a better mode of living in both the physical and social spheres.

Through our specialized program relative to non-white families, multi-problem families and so-called socially depressed individuals, a closer relationship has come into focus through various techniques employed in our social case work practices. It is a truism that most of our difficult social and health problems have existed within our project areas for a number of years, therefore, it is only reasonable to expect a gradual change in the living patterns of our residents. In essence, while great strides are being made, the time factor should be based on a long-term range, realizing that deep roots are not easy to change.

During the present time we are witnessing a revolution depicted through the Economic Opportunity Act of 1964 better known as the, "Poverty Act" recently passed by the Congress of the United States.

Due to our past experience, the Relocation Service feels confident that we can and should make a major contribution in carrying out the philosophy of helping people to help themselves. It is within our grasp to directly assist the people in need and to fortify the so-called "Great Society", while upholding the dignity of man regardless of his creed or color.

FAMILY & BUSINESS RELOCATION SERVICE  
 PROGRESS REPORT ON RESIDENTIAL PHASE  
 FISCAL YEAR 1963 - 1964

| <u>PROJECT</u>                                   | <u>CONDEMNATION<br/>DATE</u> | <u>WORKLOAD<br/>10/1/63</u> | <u>RELOCATED DURING<br/>FISCAL YEAR</u> | <u>REMAINING ON SITE<br/>9/30/64</u> |
|--|------------------------------|-----------------------------|---|--------------------------------------|
| <u>URBAN RENEWAL</u>                             |                              |                             |   |                                      |
| Central-Classical                                | 1/2/62                       | 4                           | 4                                       | Completed                            |
| *East Side (Randall Square Phase)                | *3/4/63                      | 108                         | 17                                      | 91                                   |
| Lippitt Hill<br>(Demonstration Rehabilitation)   | 9/24/63                      | 6                           | 6                                       | Completed                            |
| Weybosset Hill                                   | 5/15/64                      | 438                         | 162                                     | 276                                  |
| <u>HIGHWAY CONSTRUCTION</u>                      |                              |                             |   |                                      |
| Charles to Branch                                | 12/12/62                     | 2                           | 2                                       | Completed                            |
| Orms Street                                      | 12/27/62                     | 2                           | 2                                       | Completed                            |
| Seymour Street                                   | 1/23/63                      | 2                           | 2                                       | Completed                            |
| Red Bridge                                       | 2/4/63                       | 39                          | 28                                      | 11                                   |
| Branch to Pawtucket City Line                    | 3/25/63                      | 32                          | 32                                      | Completed                            |
| Huntington Extension                             | 6/30/63                      | 54                          | 48                                      | 6                                    |
| Douglas to Charles                               | 12/30/63                     | 13                          | 11                                      | 2                                    |
| South Water to Ives Street                       | 1/28/64                      | 15                          | 9                                       | 6                                    |
| Concord Street                                   | 4/7/64                       | 1                           | 1                                       | Completed                            |
| Ives to Seekonk River                            | 6/26/64                      | 21                          | 7                                       | 14                                   |
| <u>CITY PROJECTS</u>                             |                              |                             |   |                                      |
| Bradford House (Housing for Elderly) Negotiation |                              | 39                          | 39                                      | Completed                            |
| TOTAL  |                              | 776                         | 370                                     | 406                                  |

\* Special Pre-Condemnation Social Planning Program

FAMILY & BUSINESS RELOCATION SERVICE

REPORT ON RESIDENTIAL CONTACTS

FISCAL YEAR 1963 - 1964

| <u>PROJECTS</u>                               | <u>HOME CONTACT</u> | <u>OFFICE CONTACT</u> | <u>TOTAL</u> |
|---|---------------------|-----------------------|--------------|
| <u>URBAN RENEWAL</u>                          |                     |                       |              |
| Central-Classical                             | 46                  | 21                    | 67           |
| *East Side (Randall Square Phase)             | 749                 | 13                    | 762          |
| Lippitt Hill<br>Demonstration Rehabilitation) | 71                  | 6                     | 77           |
| Weybosset Hill                                | 1,524               | 224                   | 1,748        |
| <u>HIGHWAY CONSTRUCTION</u>                   |                     |                       |              |
| Charles to Branch                             | 6                   | 0                     | 6            |
| Orms Street                                   | 1                   | 1                     | 2            |
| Seymour Street                                | 11                  | 6                     | 17           |
| Red Bridge                                    | 65                  | 24                    | 89           |
| Branch to Pawtucket City Line                 | 9                   | 2                     | 11           |
| Huntington Extension                          | 330                 | 151                   | 481          |
| Douglas to Charles Street                     | 38                  | 14                    | 52           |
| South Water to Ives Street                    | 115                 | 50                    | 165          |
| Concord Street                                | 5                   | 0                     | 5            |
| Ives to Seekonk River                         | 56                  | 18                    | 78           |
| <u>CITY PROJECTS</u>                          |                     |                       |              |
| Bradford House (Housing for Elderly)          | 234                 | 56                    | 290          |
| TOTAL   | 3,260               | 586                   | 3,846        |

\* Special Pre-Condemnation Social Planning Program

FAMILY & BUSINESS RELOCATION SERVICE  
 PROGRESS REPORT ON COMMERCIAL PHASE  
 FISCAL YEAR 1963 - 1964

| <u>PROJECT</u>                       | <u>CONDEMNATION<br/>DATE</u> | <u>WORKLOAD<br/>10/1/63</u> | <u>RELOCATED DURING<br/>FISCAL YEAR</u> | <u>REMAINING ON SITE<br/>9/30/64</u> |
|--------------------------------------|------------------------------|-----------------------------|---|--------------------------------------|
| <u>URBAN RENEWAL</u>                 |                              |                             |   |                                      |
| *Central-Classical                   | 1/2/62                       | 5                           | 4                                       | 1                                    |
| <u>HIGHWAY CONSTRUCTION</u>          |                              |                             |   |                                      |
| Charles to Branch                    | 12/12/62                     | 4                           | 4                                       | Completed                            |
| Red Bridge                           | 2/4/63                       | 7                           | 3                                       | 4                                    |
| Route #6 (Phase II)                  | 2/28/63                      | 9                           | 5                                       | 4                                    |
| Branch to Pawtucket City Line        | 3/25/63                      | 1                           | 1                                       | Completed                            |
| Huntington Extension                 | 6/30/63                      | 10                          | 10                                      | Completed                            |
| Douglas to Charles                   | 12/30/63                     | 1                           | 1                                       | Completed                            |
| South Water to Ives Street           | 1/28/64                      | 12                          | 0                                       | 12                                   |
| Route #6 (Connector Ramp)            | 6/2/64                       | 1                           | 0                                       | 1                                    |
| Ives to Seekonk River                | 6/26/64                      | 3                           | 0                                       | 3                                    |
| Gano to Seekonk River                | 9/15/64                      | 2                           | 0                                       | 2                                    |
| <u>CITY PROJECTS</u>                 |                              |                             |   |                                      |
| Bradford House (Housing for Elderly) | Negotiation                  | 7                           | 6                                       | 1                                    |
| TOTAL                                |                              | 62                          | 34                                      | 28                                   |

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

FAMILY & BUSINESS RELOCATION SERVICE

REPORT ON COMMERCIAL CONTACTS

FISCAL YEAR 1963 - 1964

| <u>PROJECTS</u>                      | <u>CONTACTS</u> |
|--------------------------------------|-----------------|
| <u>URBAN RENEWAL</u>                 |                 |
| *Central-Classical                   | 97              |
| <u>HIGHWAY CONSTRUCTION</u>          |                 |
| Charles to Branch                    | 40              |
| Red Bridge                           | 55              |
| Route #6 (Phase II)                  | 80              |
| Branch to Pawtucket City Line        | 5               |
| Huntington Extension                 | 68              |
| Douglas to Charles                   | 12              |
| South Water to Ives Street           | 135             |
| Route #6 (Connector Ramp)            | 4               |
| Ives to Seekonk River                | 20              |
| Gano to Seekonk River                | 2               |
| <u>CITY PROJECTS</u>                 |                 |
| Bradford House (Housing for Elderly) | <u>70</u>       |
| TOTAL                                | 588             |

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

# FAMILY & BUSINESS RELOCATION SERVICE

## TOTAL NUMBER OF REFERRALS MADE TO RESIDENTIAL AND COMMERCIAL SITE OCCUPANTS

FISCAL YEAR 1963 - 1964

| <u>PROJECTS</u>                             | <u>RESIDENTIAL</u> | <u>COMMERCIAL</u> |
|---|--------------------|-------------------|
| <u>URBAN RENEWAL</u>                        |                    |                   |
| *Central-Classical                          | 15                 | 0                 |
| **East Side (Randall Square Phase)          | ***191             | -                 |
| Lippitt Hill (Demonstration Rehabilitation) | 29                 | -                 |
| Weybosset Hill                              | 125                | -                 |
| <u>HIGHWAY CONSTRUCTION</u>                 |                    |                   |
| Charles to Branch                           | 0                  | 0                 |
| Orms Street                                 | 1                  | -                 |
| Seymour Street                              | 22                 | -                 |
| Red Bridge                                  | 3                  | 0                 |
| Route #6 (Phase II)                         | -                  | 0                 |
| Branch to Pawtucket City Line               | 5                  | 0                 |
| Huntington Extension                        | 45                 | 1                 |
| Douglas to Charles Street                   | 29                 | 2                 |
| South Water to Ives Street                  | 34                 | 24                |
| Concord Street                              | 0                  | -                 |
| Route #6 (Connector Ramp)                   | -                  | 0                 |
| Ives to Seekonk River                       | 34                 | 2                 |
| Gano to Seekonk River                       | 13                 | 0                 |
| <u>CITY PROJECTS</u>                        |                    |                   |
| Bradford House (Housing for Elderly)        | 55                 | 25                |
| TOTAL                                       | 601                | 54                |

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

\*\*Special Pre-Condensation Social Planning Program.

\*\*\*Public And Private Agency Referrals.

FAMILY & BUSINESS RELOCATION SERVICE  
 RECORD OF LISTINGS PROCESSED FOR ALL PROJECTS  
 FISCAL YEAR 1963 - 1964

| <u>QUARTERLY</u>        | <u>RENTAL PROPERTIES</u> |                 |                    | <u>SALE PROPERTIES</u> |                 |                    | <u>TOTAL</u> |
|-------------------------|--------------------------|-----------------|--------------------|------------------------|-----------------|--------------------|--------------|
|                         | <u>APPROVED</u>          | <u>REJECTED</u> | <u>OUT OF CITY</u> | <u>APPROVED</u>        | <u>REJECTED</u> | <u>OUT OF CITY</u> |              |
| Oct. 1 - Dec. 31, 1963  | 43                       | 17              | 1                  | 11                     | 6               | 5                  | 83           |
| Jan. 1 - Mar. 31, 1964  | 33                       | 4               | 5                  | 12                     | 3               | 1                  | 58           |
| Apr. 1 - June 30, 1964  | 94                       | 22              | 6                  | 8                      | 0               | 4                  | 134          |
| July 1 - Sept. 30, 1964 | 70                       | 21              | 5                  | 11                     | 0               | 2                  | 109          |
| TOTAL                   | 240                      | 64              | 17                 | 42                     | 9               | 12                 | 384          |

TOTAL RENTAL PROPERTIES... 321

TOTAL SALE PROPERTIES..... 63

GRAND TOTAL..... 384



FAMILY & BUSINESS RELOCATION SERVICE

ANNUAL EXPENDITURES

FISCAL YEAR 1963 - 1964

PERSONAL SERVICES

|                           |             |
|---------------------------|-------------|
| CITY SHARE - GENERAL FUND | \$44,581.39 |
|---------------------------|-------------|

|               |                  |
|---------------|------------------|
| FEDERAL SHARE | <u>38,746.00</u> |
|---------------|------------------|

|                         |             |
|-------------------------|-------------|
| TOTAL PERSONAL SERVICES | \$83,327.39 |
|-------------------------|-------------|

|                              |          |
|------------------------------|----------|
| SERVICES OTHER THAN PERSONAL | 8,577.19 |
|------------------------------|----------|

|                        |        |
|------------------------|--------|
| MATERIALS AND SUPPLIES | 493.62 |
|------------------------|--------|

|                  |                 |
|------------------|-----------------|
| EQUIPMENT OUTLAY | <u>1,059.52</u> |
|------------------|-----------------|

|                    |             |
|--------------------|-------------|
| TOTAL EXPENDITURES | \$93,457.72 |
|--------------------|-------------|

Respectfully submitted,

David Joyce

Administrator

DEC 24 12 13 PM '64

DEPT. OF JUSTICE  
PROVIDENCE, R.I.