

**THE CITY OF  
PROVIDENCE,  
RHODE ISLAND**

**ANNUAL REPORT  
OF THE  
DEPARTMENT OF PUBLIC WORKS**

**FOR THE  
FISCAL YEAR  
1956 -- 1957**

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DECEMBER 31, 1957.

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 ANNUAL REPORT COVERING THE ACTIVITIES OF THE DEPARTMENT OF PUBLIC WORKS FOR THE YEAR ENDING SEPTEMBER 30, 1957 IS SUBMITTED HERewith, PURSUANT TO THE PROVISIONS OF SECTION 46 OF CHAPTER 832 OF THE PUBLIC LAWS OF THE STATE OF RHODE ISLAND, JANUARY SESSION, 1940.

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 WAS COMPLETED DURING THE YEAR ON THE FOLLOWING PROJECTS:

"BUILDING OF SEWERS IN SUNDRY STREETS" BY THE D'ERCOLE CONSTRUCTION COMPANY.

"BUILDING OF SEWERS IN SUNDRY STREETS" BY EDWARD F. CAPALDI, INC.

"CONSTRUCTION OF HIGHWAYS IN SUNDRY STREETS" BY THE FANNING AND DOORLEY CONSTRUCTION COMPANY.

CONTRACT WORK WAS IN PROGRESS ON THE FOLLOWING PROJECTS:

"BUILDING OF SEWERS IN SUNDRY STREETS" BY THE C.L. GUILD CONSTRUCTION COMPANY, INC.

"CONSTRUCTION OF HIGHWAYS IN SUNDRY STREETS" BY THE FANNING AND DOORLEY CONSTRUCTION COMPANY, INC.

"RECONSTRUCTION OR RESURFACING OF HIGHWAYS" BY THE M.A. GAMMING CONSTRUCTION COMPANY.

"FENDER SYSTEM RENEWAL AND REPAIRS AT THE MUNICIPAL DOCK" BY THE MCKIE LIGHTER COMPANY.

"ALTERATIONS TO AND RENEWAL OF RAILROAD TRACKS; CONSTRUCTION OF REINFORCED CONCRETE PAVEMENT; AND OTHER MISCELLANEOUS WORK AT THE MUNICIPAL DOCK" BY J.J. MCHALE & SONS, INC.

"ALTERATIONS TO AND CONSTRUCTION OF ADDITIONAL FACILITIES AT THE SEWAGE TREATMENT PLANT" BY THE BAYLOR CONSTRUCTION CORPORATION. THE CONTRACT FOR DIVISION I OF THE PROJECT WAS EXECUTED ON MAY 23, 1956 AND FOR DIVISION II ON DECEMBER 20, 1956. PLANS AND SPECIFICATIONS FOR THE PROJECT WERE PREPARED BY

METCALF & EDDY, ENGINEERS, AND THEY ARE ALSO SUPERVISING THE CONSTRUCTION WORK. IT IS EXPECTED THAT THE PROJECT WILL BE COMPLETED BY JUNE 1, 1958.

THE CONSTRUCTION OF THE HUNTINGTON AVENUE EXPRESSWAY HAS BEEN APPROVED AS A FEDERAL-AID PROJECT AND PLANS AND SPECIFICATIONS FOR THE PROJECT ARE BEING PREPARED BY FENTON G. KEYES AND ASSOCIATES, ENGINEERS. IT IS EXPECTED THAT A CONTRACT FOR THE CONSTRUCTION OF THE PROJECT WILL BE AWARDED EARLY IN 1958. THE COST OF THIS PROJECT IS TO BE DEFRAYED WITH FEDERAL, STATE AND CITY FUNDS.

HIGHWAY CONSTRUCTION DURING THE YEAR CONSISTED OF THE SURFACING OR RESURFACING, WITH ASPHALTIC CONCRETE, OF 138,958 SQUARE YARDS OF PAVEMENT BY HIGHWAY SECTION FORCES; THE RECONSTRUCTION, WITH CONCRETE BASE AND SHEET ASPHALT WEARING SURFACE, OF 14,433 SQUARE YARDS OF PAVEMENT BY CONTRACT; AND THE CONSTRUCTION OF 42,548 SQUARE YARDS OF BITUMINOUS MACADAM PAVEMENT IN NEW STREETS BY CONTRACT.

SEWER CONSTRUCTION DURING THE YEAR CONSISTED OF THE BUILDING OF 0.7939 MILES OF MAIN DRAINS, TOGETHER WITH LATERALS AND DRAINAGE STRUCTURES, IN SUNDRY STREETS BY CONTRACT.

AN APPLICATION FOR A GRANT OF 30% OF THE COST OF CONTRACT WORK FOR DIVISION II OF THE PROJECT FOR IMPROVING THE SEWAGE TREATMENT PLANT HAS BEEN APPROVED BY THE FEDERAL DEPARTMENT OF HEALTH, EDUCATION AND WELFARE.

OUR RELATIONS WITH THE LOCAL OFFICE OF THE FEDERAL BUREAU OF ROADS, HEADED BY MR. JOSEPH WESTELL; THE STATE DEPARTMENT OF PUBLIC WORKS, HEADED BY MR. JOSEPH M. VALLONE; AND THE CONSULTING ENGINEERS ON THE NORTH-SOUTH FREEWAY, LOUISQUISSET PIKE, AND HUNTINGTON AVENUE EXPRESSWAY PROJECTS HAVE BEEN VERY CORDIAL AND WE APPRECIATE THE COOPERATION EXTENDED US.

THIS DEPARTMENT HAS RENDERED ASSISTANCE TO VARIOUS CITY DEPARTMENTS AND OUTSIDE AGENCIES, INCLUDING THE PARK, PUBLIC SAFETY, RECREATION, PUBLIC WELFARE, TRAFFIC ENGINEERING, REDEVELOPMENT, AND HEALTH DEPARTMENTS.

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, JOHN F. BROCK, WILLIAM A. GRAY, THOMAS L. PAYNE AND FRANK LAZARUS.

I AM GRATEFUL FOR THE LOYAL AND FAITHFUL SERVICE OF ALL EMPLOYEES IN THE DEPARTMENT AND ALSO APPRECIATIVE OF THE COOPERATION EXTENDED THIS DEPARTMENT BY OTHER CITY DEPARTMENTS.

#### RECOMMENDATIONS

THE PROGRAM OF CONSTRUCTING SEWERS AND HIGHWAYS IN UNIMPROVED STREETS, WHICH HAVE BEEN ORDERED BY CITY COUNCIL RESOLUTIONS, SHOULD BE CONTINUED.

ERECT A NEW FENCE ON THE BRIDGE AT MARKET SQUARE BETWEEN WESTMINSTER STREET AND EXCHANGE PLACE.

PAINT SLUDGE INCINERATOR SMOKE STACK.

INSTALL FOUR DOORS AT GARBAGE PIT IN GARBAGE INCINERATOR UNIT No. 1.

PAINT THE UNDERSIDE OF THE BRIDGE IN THE MARKET, MEMORIAL AND CRAWFORD SQUARES AREA.

INSTALL AN ADDITIONAL PUMP IN THE COOLING WATER SYSTEM FOR THE CONDENSERS AT THE INCINERATOR. AT THE PRESENT TIME ONLY ONE PUMP IS IN THE LINE AND IF IT SHOULD FAIL, THE WATER COOLING SYSTEM WOULD HAVE TO BE SHUT DOWN.

IT IS BECOMING MORE DIFFICULT TO KEEP THE HIGHWAYS CLEAN BECAUSE OF THE INCREASING AMOUNT OF PAPER AND DEBRIS THROWN UPON THE HIGHWAYS BY "LITTER BUGS" AND OTHER THOUGHTLESS PEOPLE AND ALSO BECAUSE OF MATERIALS FALLING ONTO THE HIGHWAYS FROM TRUCKS HAULING REFUSE, LOAM, SAND, COAL, PAPER, ETC.

THE PLACING OF PAPER, GRASS, HEDGE TRIMMINGS, LEAVES AND OTHER DEBRIS INTO CATCH BASINS BY THOUGHTLESS PEOPLE PREVENTS THE OPERATION OF THE TRAPS IN THE BASINS AND THE RUNOFF OF SURFACE WATER, THEREBY CAUSING THE FLOODING OF ADJACENT AREAS.

SOMETHING SHOULD BE DONE TO ELIMINATE THESE CONDITIONS AS IT IS OF IMPORTANCE TO THE PUBLIC THAT THE HIGHWAYS BE KEPT CLEAN AND THE DRAINAGE SYSTEM FUNCTIONING EFFICIENTLY. IT WOULD SEEM THAT AN EDUCATIONAL PROGRAM THROUGH THE PRESS, RADIO, TELEVISION, AND THE SCHOOLS WOULD AID GREATLY IN ELIMINATING THESE CONDITIONS.

CFM:MC.

RESPECTFULLY SUBMITTED

*Charles F. McElroy*  
CHARLES F. MCELROY  
DIRECTOR OF PUBLIC WORKS.

IN CITY COUNCIL  
FEB 6 - 1958

READ:

WHEREUPON IT IS ORDERED THAT  
THE SAME BE RECEIVED.

*Deverett Whelan*  
CLERK

BUSINESS MANAGER

MR. CHARLES F. MCELROY  
DIRECTOR OF PUBLIC WORKS,  
CITY HALL, PROVIDENCE, R. I.

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, 1957.

STATEMENT OF REVENUE-ESTIMATED AND ACTUAL

	<u>BUDGET</u> <u>ESTIMATE</u>	<u>NET ACTUAL</u> <u>REVENUE</u>	<u>BUDGET</u> <u>EXCESS</u>	<u>COMPARISON</u> <u>DEFICIENCY</u>
BUSINESS AND NON-BUSINESS:				
LICENSES:				
SIDEWALK CONTRACTORS AND SEWER CONNECTIONS	\$760.00	\$730.00	--	\$30.00
HIGHWAY PRIVILEGES	900.00	1635.00	735.00	--
PUBLIC SERVICE ENGINEER	4800.00	1309.00	--	3491.00
AIR POLLUTION AND SMOKE ABATEMENT	3000.00	4851.00	1851.00	--
TOTAL BUSINESS-NON-BUSINESS LICENSES	\$9460.00	\$8525.00	\$2586.00	\$3521.00
SPECIAL ASSESSMENTS:				
SEWERS	\$89606.04	\$89477.94	--	\$128.10
SIDEWALKS AND CURBING	200.00	--	--	200.00
TOTAL SPECIAL ASSESSMENTS	\$89806.04	\$89477.94	--	\$328.10
DEPARTMENTAL REVENUE				
ADMINISTRATION	--	\$11.20	\$11.20	--
SEWAGE PUMPING	--	145.38	145.38	--
SEWAGE DISPOSAL	--	274.02	274.02	--
GARBAGE COLLECTION AND DISPOSAL	\$8000.00	10811.91	2811.91	--
REFUSE COLLECTION AND DISPOSAL	--	835.29	835.29	--
HIGHWAYS	25000.00	25864.82	864.82	--
BRIDGE MAINTENANCE	--	53.36	53.36	--
FORESTRY	--	13654.80	13654.80	--
SEWER CONSTRUCTION AND MAINTENANCE	36500.00	29636.81	--	\$6863.19
STREET LIGHTING	--	101.20	101.20	--
MUNICIPAL DOCK	195000.00	214905.88	19905.88	--
HARBORS	--	9.18	9.18	--
TOTAL DEPARTMENTAL REVENUE	\$264500.00	\$296303.85	\$38667.04	\$6863.19
TOTAL STATEMENT	\$363766.04	\$394306.79	\$41253.04	\$10712.29

# STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1957

	PERSONAL SERVICES	SERVICES OTHER THAN PERSONAL	MATERIALS AND SUPPLIES	SPECIAL ITEMS	EQUIPMENT OUTLAY	STRUCTURES AND IMPROVEMENTS	TOTAL
GENERAL ADMINISTRATION	\$24497.46	\$1724.78	\$97.63	—	\$664.27	—	\$26984.14
BUSINESS MANAGEMENT	29314.80	469.37	515.01	—	123.25	—	30422.43
ENGINEERING OFFICE	119917.19	5689.31	688.47	—	175.82	—	126470.79
SANITATION DIVISION:							
SANITATION ADMINISTRATION	10074.60	769.69	22.55	—	—	—	10866.84
STREET CLEANING	285386.97	78375.69	2699.34	—	—	—	366462.00
SEWAGE PUMPING STATION	48233.64	978.31	3686.75	—	—	—	53898.50
SEWAGE DISPOSAL	106142.32	8539.95	132692.11	—	—	—	247374.38
GARBAGE COLLECTION AND DISPOSAL	462060.49	122042.34	10717.37	4407.49	—	—	599227.69
REFUSE COLLECTION AND DISPOSAL	85751.97	39438.53	15.49	—	—	1390.00	126595.99
CONSTRUCTION AND MAINTENANCE DIVISION:							
CONSTRUCTION AND MAINTENANCE ADMINISTRATION	7099.20	826.00	11.27	—	—	—	7936.47
HIGHWAYS	621621.07	195544.05	121520.28	—	99.00	—	938784.40
BRIDGE MAINTENANCE	36285.31	275.77	6557.68	—	—	—	45618.76
SIDEWALK AND CURBING	15667.31	3503.38	521.41	—	173.86	—	19865.96
FORESTRY	60635.85	18409.40	4606.29	—	482.65	—	86134.19
SNOW REMOVAL	100572.51	58322.65	42076.99	—	—	—	200972.15
SEWER CONSTRUCTION AND MAINTENANCE	257694.42	62871.09	15059.01	—	—	—	335624.52
PUBLIC BUILDINGS	66864.29	9305.01	792.41	77.50	960.73	—	77999.94
PUBLIC SERVICE DIVISION:							
PUBLIC SERVICE ADMINISTRATION	7699.50	833.74	35.04	—	—	—	8568.28*
ELECTRIC INSPECTOR	10367.50	1731.86	99.56	—	—	—	12198.92*
STREET LIGHTING	3784.50	478265.28	—	—	—	—	482049.78
AIR POLLUTION AND SMOKE ABATEMENT	13166.90	1633.34	125.28	—	149.75	—	15075.27*
MUNICIPAL DOCK	28740.84	9020.00	2266.18	—	—	185000.00	225027.02**
DRAW BRIDGE OPERATION	53259.41	1460.89	810.75	—	—	—	55531.05
HARBOR MASTER	4014.75	174.46	156.70	—	—	—	4345.91

TOTAL-PUBLIC WORKS ACTIVITIES

\$2459852.60 \$1102704.89 \$345773.57 \$4484.99 \$2829.33 \$186390.00 \$4102035.38

- \* EXPENDITURES TO APRIL 21, 1957 - THESE SECTIONS TRANSFERRED FROM PUBLIC WORKS DEPARTMENT TO DEPARTMENT OF BUILDING INSPECTION.
- \*\* \$110,000.00 INCLUDED IN STRUCTURES AND IMPROVEMENTS EXPENDITURES TRANSFERRED TO CAPITAL ACCOUNT APRIL 23, 1957.

THE FOLLOWING SERVICES WERE ALSO RENDERED BY THIS DEPARTMENT

APPLICATIONS RECEIVED

FOR ALTERING DRIVEWAYS	114
CONSTRUCTION OF DRIVEWAYS	225
CURBING RESETS	<u>50</u>
TOTAL APPLICATIONS	389

LICENSES ISSUED

PUSH CARTS	23
SIDEWALK STANDS	58
DRAIN LAYERS LICENSES	<u>66</u>
DRAIN LAYERS LICENSES LIMITED TO SPRINKLER SYSTEMS	<u>4</u>
TOTAL LICENSES	91

PERMITS ISSUED

PUBLIC UTILITIES	201
BLASTING	4
FOR MOVING CUMBERSOME EQUIPMENT, ETC.	85
STREET OPENINGS (WATER SUPPLY BOARD)	249
ORIGINAL PERMITS FOR SEWER CONNECTIONS	238
EXTENSION OF HOUSE DRAINS	425
SIDEWALK OPENINGS FOR WATER SERVICE	10
STREET OPENINGS (OTHER)	<u>69</u>
TOTAL PERMITS	1281

RESPECTFULLY SUBMITTED

JOHN V. DAVIDSON  
BUSINESS MANAGER.

ENGINEERING OFFICE

MR. CHARLES F. McELROY,  
DIRECTOR OF PUBLIC WORKS,  
CITY HALL, PROVIDENCE, R. I.

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING THE VARIOUS ACTIVITIES OF THE  
ENGINEERING OFFICE FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1957:

THE EXPENDITURES OF THE DIVISION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$119,917.19
ITEM 1 SERVICES OTHER THAN PERSONAL	5,689.31
ITEM 2 MATERIALS AND SUPPLIES	688.47
ITEM 5 CAPITAL OUTLAY	<u>175.82</u>
TOTAL	\$126,470.79

STREET LINE AND CITY PROPERTY SECTION

NOTICES OF INTENTION TO BUILD.

THERE WERE 219 NOTICES OF INTENTION TO BUILD FILED IN THIS OFFICE DURING  
THE FISCAL YEAR. SIXTEEN OF THESE WERE NOT REQUIRED FOR VARIOUS REASONS. IN RESPONSE  
TO THE REMAINING 203 NOTICES, THE STREET LINES WERE MARKED ON THE GROUND AS REQUESTED  
FOR THE SPECIFIED LOCATIONS.

FIELD SURVEYS ON THE 26 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 ENGINEERS FOR THE STATE OF RHODE ISLAND,  
DEPARTMENT OF PUBLIC ROADS IN CONJUNCTION WITH THEIR WORK ON THE NORTH-SOUTH FREEWAY  
AND THE EXTENSION OF THE DENNIS J. ROBERTS EXPRESSWAY.

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>
ALICANT STREET	GRAPE STREET TO VETO STREET	323.66
ASHTON STREET	CHATHAM STREET TO LUNA STREET	357.00
BOWLET STREET	BARBARA STREET TO GRIMWOOD STREET	550.00
BRUSH HILL ROAD	696 FT. NORTH OF MANTON AVE. TO ADA AVENUE	400.00
FREEDOM ROAD	OAKWOOD AVE. TO HILLCREST AVENUE	160.00
GLOUCESTER STREET	ADMIRAL STREET TO SUNBURY STREET	1055.90
GRAPE STREET	SOUTHERLY LINE CERES ST. TO ITS SOUTHERLY TERMINATION	256.16
GRIMWOOD STREET	OPHELIA STREET TO GLENBRIDGE AVENUE	630.00
HERBERT STREET	CHALKSTONE AVENUE TO GERARDI AVENUE	703.58
HUBER AVENUE	FRUIT HILL AVENUE TO WESTCOTT AVENUE	200.00



LANCASHIRE STREET	250 FT. EAST OF DOUGLAS AVE. TO DOUGLAS AVENUE	250.00
HILARITY STREET	BARBARA STREET TO GRIMWOOD STREET	550.00
MAYNARD STREET	BRUSH HILL ROAD TO HUNNEWELL AVENUE	160.00
NELLIE STREET	SMITHFIELD AVENUE TO ARGOL STREET	726.41
PARENTE STREET	LUKE STREET TO NORTHERLY LINE SMART STREET	458.07
PAUL STREET	CHARLES STREET TO WESTERLY LINE OPPER STREET	400.00
RIVERDALE STREET	MANTON AVENUE TO ITS NORTHERLY TERMINATION	259.14
RUSSO STREET	SOCIAL STREET TO PAUL STREET	280.00
SMART STREET	CHARLES STREET TO ITS EASTERLY TERMINATION	439.81
SUNBURY STREET	RIVER AVE. TO RANGE OF SOUTHERLY LINE FARMER ST.	560.00
UNNAMED STREET	(NOW APRIL COURT) SHARON ST. TO PORTION PREVIOUSLY RECEIVED	601.73
VINCENT STREET	HUXLEY AVENUE TO ITS TERMINATION	220.07
WADSWORTH STREET	SORRENTO STREET TO HUNTINGTON AVENUE	846.84
WALLER STREET	CANGONCHET STREET TO METROPOLITAN ROAD	369.56
WESTCOTT AVENUE	ANGLE WEST OF FRUIT HILL AVE. TO PRESENT END OF RECEIVED PORTION	714.89
WHITTIER AVENUE	LAUREL HILL AVE. TO ITS WESTERLY TERMINATION	228.94
	TOTAL FEET (2.169 MILES)	11,701.76

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR:

<u>RECEIVED STREETS ABANDONED</u>		
<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
CUSTOM AVENUE	SOUTH MAIN STREET TO SOUTH WATER STREET	123.90
SOVEREIGN STREET	SOUTH MAIN STREET TO SOUTH WATER STREET	122.52
	TOTAL	246.42
<u>UNRECEIVED STREETS ABANDONED</u>		
ARIZONA STREET	MINNESOTA STREET TO DAKOTA STREET	200.00
BOULSTON LANE	CHALKSTONE AVE. TO ITS SOUTHERLY TERMINATION	214.76
DORA STREET	ATWOOD ST. TO ITS EASTERLY TERMINATION	101.80
FURLONG COURT	CHALKSTONE AVE. TO ITS SOUTHERLY TERMINATION	156.84
LEANDER STREET	BALTIMORE STREET TO ITS NORTHERLY TERMINATION	122.96
	TOTAL (FEET)	796.36

THE APPROXIMATE LENGTH OF STREETS PLATTED BUT NOT RECEIVED IS 55.185 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 1957 (MEASURED ALONG PROPERTY LINES) 366.795 MILES.

IN ADDITION TO THE TOTAL OF RECEIVED STREETS THERE ARE 3.21 MILES OF ROADWAYS IN THE GOVERNOR DENNIS J. ROBERTS EXPRESSWAY.

LINDEN DRIVE, FROM COLE AVENUE TO ITS EASTERLY TERMINATION, A PORTION OF LONGWOOD AVENUE, A PORTION OF ROYAL AVENUE, A PORTION OF REDWOOD DRIVE WERE ADDED TO THE LIST OF UNACCEPTED STREETS.

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

PALLAS STREET	PROPOSED SALE
PALLAS STREET	PROPOSED SALE
CARPENTER STREET CORNER PALLAS STREET	PROPOSED SALE
FIELDS POINT	RESERVED FOR SEWAGE DISPOSAL
CHALKSTONE AVENUE AND WAYNE STREET	PROPOSED LEASE
ARIZONA STREET (PORTION)	PROPOSED ABANDONMENT

LEANDER STREET (PORTION)  
 PLEASANT VALLEY PARKWAY (PORTION)  
 BRANCH AVENUE AT LANGDON STREET  
 CLARA AND DANFORTH STREETS  
 CLARA STREET (TWO LOTS)  
 CUSTON AVENUE  
 CLARA STREET  
 CLARE STREET  
 FRANCIS STREET  
 ASHVILLE AVENUE  
 SERVICE ROAD No.7  
 JOSLIN, HYAT, FLORENCE & KOSSUTH STREETS  
 FIELDS POINT (ACCESS ROAD)  
 TWO FOOT STRIP SOUTH OF DOYLE AVENUE  
 CLARA STREET  
 CLARA STREET  
 MANTON AVENUE  
 WINDMILL STREET  
 HENDRICK STREET  
 MAGNOLIA STREET AT TROY STREET  
 BECKWITH STREET  
 DORA STREET (PORTION)  
 WHITMARSH STREET  
 CLARA STREET (PORTION)  
 WILLARD AVENUE (PORTION)  
 ASH STREET  
 GAY STREET  
 HILTON STREET  
 WENDELL STREET AND ROSEDALE STREET

PROPOSED ABANDONMENT  
 PROPOSED SALE  
 PROPOSED LEASE  
 CROSS SECTION  
 CONDEMNATION  
 PROPOSED ABANDONMENT  
 CONDEMNATION FOR PLAYGROUND.  
 CONDEMNATION FOR PLAYGROUND  
 PROPOSED LEASE OF AERIAL RIGHTS  
 PROPOSED ABANDONMENT  
 PROPOSED SALE  
 CONDEMNATION FOR SCHOOL PURPOSES  
 PROPOSED LEASE  
 DEEDED FOR HIGHWAY PURPOSES  
 PROPOSED SALE  
 PROPOSED PURCHASE  
 PROPOSED LEASE OF DUMP SITE  
 PROPOSED CUTOFF FOR HIGHWAY PURPOSES  
 PROPOSED SALE  
 PROPOSED SALE  
 PROPOSED PURCHASE  
 PROPOSED ABANDONMENT  
 PROPOSED ABANDONMENT  
 PROPOSED ABANDONMENT  
 PROPOSED ABANDONMENT  
 PROPOSED ABANDONMENT  
 PROPOSED ABANDONMENT  
 PROPOSED PURCHASE

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 FOLLOW-  
 ING AMENDMENTS WERE APPROVED:

PLAINFIELD STREET  
 WATERMAN STREET  
 ORMS STREET  
 WESTMINSTER STREET  
 BRANCH AVENUE  
 ATWOOD STREET

BISHOP STREET  
 WESTMINSTER STREET  
 RESERVOIR AVENUE  
 WESTMINSTER STREET  
 BRANCH AVENUE  
 TRENTON STREET

HAYWOOD STREET

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

TWELVE PLANS WERE DRAWN FOR AMENDMENTS TO THE ZONING ORDINANCE THAT FAILED  
 OF PASSAGE.

#### NORTH BURIAL GROUND

DURING THE YEAR 67 DEEDS TO LOTS CONVEYED BY THE CITY AND 66 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.

## GENERAL

GRADES WERE WORKED OUT AND MARKED ON THE GROUND FOR PLAYGROUNDS AT DANFORTH STREET, APRIL COURT, GANO STREET, KNIGHT AND CODDING STREETS.

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

SURVEY FOR PROPOSED RELOCATION OF NIAGARA STREET.

LAYING OUT SOFT-BALL FIELD AT HAWKINS STREET.

LOCATION OF ATHLETIC FIELD AT MT. PLEASANT HIGH SCHOOL.

LOCATION OF CITY LINE FOR TAX OFFICE AT UNION AVENUE.

LOCATION OF WALL AT POWELL STREET FOR WATER DEPARTMENT.

MEASUREMENTS WERE TAKEN AND PLANS DRAWN TO ASSIST THE POLICE DEPARTMENT IN ACCIDENT AND MURDER CASES.

ELEVATIONS WERE TAKEN AT BUCKLIN STREET PLAYGROUND.

ELEVATIONS WERE TAKEN AND PLANS MADE FOR DANFORTH AND CODDING STREET PLAYGROUND.

SURVEY WAS MADE FOR NEW SCHOOL SITE AT JOSLIN, FLORENCE, HYAT AND KOSSUTH STREETS.

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 ASSESSOR 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 ABANDONMENTS OF STREETS, DEFINING GRADES AND GRADING AND CURBING STREETS.

PLATS PRESENTED FOR RECORD HAVE BEEN COMPARED FOR THE RECORDER OF DEEDS OFFICE AND PLATS FOR RECORDING HAVE BEEN FURNISHED THE RECORDER'S OFFICE UNDER THE PROVISIONS OF CHAPTERS 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 AND REDEVELOPMENT AGENCY, FROM TIME TO TIME.

THE R.L.POLK MAP AND OTHER MAPS OF THE CITY PUBLISHED BY VARIOUS COMPANIES WERE REVISED AS TO CHANGES IN STREET NAMES AND POINTS OF INTEREST, NEW STREET ADDITIONS OR ABANDONMENTS OF EXISTING STREETS AND THE MAPS RETURNED TO THE PUBLISHERS.

## HIGHWAY SECTION

WORK PERFORMED IN GENERAL IS AS FOLLOWS:

ESTIMATES OF THE COST OF MAKING IMPROVEMENTS, CONSISTING OF DRIVEWAYS, FURNISHING AND SETTING CURBING, RELAYING PAVEMENTS IN DRIVEWAYS, CHANGING CURB AS DESIRED BY VARIOUS 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 NINE STREETS COVERING TEN APPLICATIONS.

CURBING. LINES AND GRADES HAVE BEEN MARKED OUT FOR RESETTING CURBING AND PAVING GUTTERS IN PORTIONS OF STREETS AS REQUESTED.

PROFILES. PROFILES OF SUNDRY STREETS, APPROXIMATELY 0.90 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 PLAN ACCOMPANYING THE PROFILE SHOWS DIVISION OF ESTATES, OWNERSHIP AND HOUSES.

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.

PLEASANT VALLEY PARKWAY RELOCATION. GROUND LEVELS WERE TAKEN; GRADES WERE WORKED OUT; LINES AND GRADES WERE MARKED OUT; AND INSPECTION WAS FURNISHED THE HIGHWAY DEPARTMENT IN THE CONSTRUCTION OF THE RELOCATED PORTION OF PLEASANT VALLEY PARKWAY IN FRONT OF THE NEW ADDITION OF THE PROVIDENCE LYING IN HOSPITAL.

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:

<u>STREET</u>	<u>TYPE-BITUMINOUS CONCRETE</u>	<u>Sq. Yds.</u>
ANNIE STREET	ADMIRAL STREET TO SANDRINGHAM AVENUE	1147
BELLEVUE AVENUE	BUCKLIN STREET TO ELMWOOD AVENUE	2560
BEULAH STREET	WOODWARD ROAD TO VEAZIE STREET	856
CHAPMAN STREET	ALLENS AVENUE TO TENNESSEE AVENUE	1472
CONCORD STREET	BENTLEY LANE TO MATILDA STREET	1053
CONVENT STREET	PLEASANT VALLEY PARKWAY TO MAUDE STREET	581
DEXTER STREET	POTTERS AVENUE TO CROMWELL STREET	111387
ELGIN STREET	HOPE STREET TO IVY STREET	1690
FAIRVIEW STREET	CARLETON STREET TO GRAY STREET	3909
GALLUP STREET	BROAD STREET TO RUGBY STREET	5837
GRAY STREET	FOWLER STREET TO CHALKSTONE AVENUE	6165
HAMMOND STREET	CRANSTON STREET TO WESTMINSTER STREET	4063
HARRISON STREET	CRANSTON STREET TO WESTMINSTER STREET	4014
HEALTH AVENUE	ACADEMY AVENUE TO HURON STREET	2024
HOLDEN STREET	PROMENADE STREET TO ORMS STREET	5752
IMERA AVENUE	CHALKSTONE AVENUE TO ALMIRA AVENUE	1869
IONA STREET	BRADLEY STREET TO ADMIRAL STREET	1755
KENWOOD STREET	MESSER STREET TO WAVERLY STREET	1600
LAURAL HILL AVENUE	POCASSET AVENUE TO PLAINFIELD STREET	2005
LEAH STREET	ATWELL AVENUE TO FAIRVIEW STREET	3119
LOWELL AVENUE	POCASSET AVENUE TO PLAINFIELD STREET	3662
METROPOLITAN ROAD	WEBB STREET TO MT. PLEASANT AVENUE	2982

NARRAGANSETT AVENUE	RESERVOIR AVENUE TO CITY LINE	13231
OAK STREET	MESSER STREET TO PARADE STREET	3329
ONTARIO STREET	ELMWOOD AVENUE TO BROAD STREET	7573
PETTIS STREET	NORTH MAIN STREET TO NICHOLS STREET	1170
RANKIN AVENUE	WHITFORD AVENUE TO WABUN AVENUE	1650
ROGER WILLIAMS AVENUE	ELMWOOD AVENUE TO NARRAGANSETT AVENUE	2264
ROSEBANK AVENUE	CHALKSTONE AVENUE TO PLEASANT VALLEY PARKWAY	2093
ROUNDABOUT AVENUE	NARRAGANSETT AVENUE TO PONTIAC AVENUE	6311
RYE STREET	PLAINFIELD STREET TO DORCHESTER AVENUE	1803
SEAMANS STREET	DOUGLAS AVENUE TO ADMIRAL STREET	4980
SINCLAIR AVENUE	ALEXANDER STREET TO PARKMAN STREET	2533
STADDEN STREET	ROUNDS AVENUE TO RESERVOIR AVENUE	2496
SYCAMORE STREET	WESTMINSTER STREET TO CHAPIN AVENUE	4867
THURBERS AVENUE	ALLENS AVENUE TO EDDY STREET	5581
WESTERLY AVENUE	POCASSET AVENUE TO LAUREL HILL AVENUE	1541
WILLARD AVENUE	PRAIRIE AVENUE TO BROAD STREET	3248
WILLOW STREET	MESSER STREET TO SYCAMORE STREET	1423
WINROOTH AVENUE	PARKWAY AVENUE TO PLEASANT VALLEY PARKWAY	2173
WOOD STREET	MESSER STREET TO SYCAMORE STREET	1190
	TOTAL	138958

SPECIAL HIGHWAY CONSTRUCTION BY CITY OF PROVIDENCE UNDER CONTRACT.

STREET		TYPE	Sq.Yds.
FRIENDSHIP STREET	BEACON AVENUE TO BLACKSTONE STREET	SHEET ASPHALT	7758.0
THURBERS AVENUE	PRAIRIE AVENUE TO EDDY STREET	SHEET ASPHALT	6675.0
	TOTAL		14433.0

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

STREET	TYPE (BITUMINOUS MACADAM)	Sq.Yds.
ALICANT STREET	GRAPE STREET TO VETO STREET	726
APRIL COURT	SMITH STREET TO SHARON STREET	2164
ASHTON STREET	CHATHAM STREET TO LUNA STREET	1004
BALTIMORE AVENUE	MANTON AVENUE TO LEANDER STREET	2109
BATCHELLER AVENUE	ARGOL STREET TO SILVER SPRING STREET	2357
BRUSH HILL ROAD	696 FT. NORTH OF MANTON AVENUE TO ADA AVENUE	1160
DEFOE PLACE	CONGDON STREET TO ANGLE	492
EDGEWORTH AVENUE	ARGOL STREET TO 448 FT. WESTERLY	1693
FAIR STREET	HAZAEI STREET TO PHEBE STREET	1174
FALCONER STREET	ROUNDS AVENUE TO RUTHERGLEN AVENUE	842
GLOSSUP STREET	WOONASQUATUCKET AVENUE TO FRUIT HILL AVENUE	1589
GLOUCESTER STREET	ADMIRAL STREET TO SUNBURY STREET	3045
GRAPE STREET	CERES STREET TO ALICANT STREET	325
HERBERT STREET	CHALKSTONE AVENUE TO GERARDI AVENUE	1990
HUBER AVENUE	FRUIT HILL AVENUE TO WESTCOTT AVENUE	583
LANCASHIRE STREET	DOUGLAS AVENUE TO POINT 250 FT. EASTERLY	706
LAWN STREET	METROPOLITAN ROAD TO WHITFORD AVENUE	1202
LUGEC STREET	END OF PAVED PORTION TO CITY LINE	2685
MUTUAL STREET	POE STREET TO ALLENS AVENUE	1104
OAK STREET	AGNES STREET TO TROY STREET	995
PARENTE STREET	LUKE STREET TO SMART STREET	1371
PLYMOUTH STREET	POTTERS AVENUE TO HUNTINGTON AVENUE	1655
RALSTON STREET	LANGDON STREET TO STANHOPE STREET	1535
REDWOOD STREET	HUXLEY AVENUE TO TERMINATION	617
SMART STREET	CHARLES STREET TO PARENTE STREET	1249

SUNBURY STREET	GLOUCESTER STREET TO SOUTH LINE OF FARMER STREET	947
WAITE STREET	ADMIRAL STREET TO GENERAL STREET	3248
WALLER STREET	CANONCHOT STREET TO METROPOLITAN ROAD	913
WESTCOTT AVENUE	MANTON AVENUE TO ANGLE WEST OF FRUIT HILL AVENUE	2251
WHITTIER AVENUE	LAUREL HILL AVENUE TO WESTERLY TERMINATION	817
	TOTAL	42548

CONSTRUCTION WAS IN PROGRESS IN THE FOLLOWING STREETS ON SEPTEMBER 30, 1957

BRADLEY STREET, RIVER AVENUE TO SHARON STREET  
CHARLES STREET, MILL STREET TO CHALKSTONE AVENUE  
EATON STREET, ELMHURST AVENUE TO DOUGLAS AVENUE  
FREEMAN PARKWAY, BLACKSTONE BOULEVARD TO GROTTA AVENUE  
MARGRAVE AVENUE, BLACKSTONE BOULEVARD TO GROTTA AVENUE  
NAPLES AVENUE, SHARON STREET TO ENFIELD AVENUE  
NORTH MAIN STREET, STEEPLE STREET TO SMITH STREET  
PARKSIDE DRIVE, PARK AVENUE TO PARK AVENUE  
RIVER AVENUE, VALLEY STREET TO SOUTH LINE REGENT AVENUE  
RIVER AVENUE, EATON STREET TO POINT 8 FT. NORTH OF JOY STREET  
RIVER AVENUE, BRADLEY STREET TO ADMIRAL STREET  
RIVER AVENUE, HYMER STREET TO DOUGLAS AVENUE  
SILVER STREET, SOUTH MAIN STREET TO SOUTH WATER STREET  
SUNBURY STREET, GLASGOW STREET TO RIVER AVENUE  
WABUN AVENUE, SMITH STREET TO ACADEMY AVENUE  
WILLIAMS STREET, SOUTH MAIN STREET TO SOUTH WATER STREET  
WOODWARD ROAD, MINNESOTA STREET TO CITY LINE

FOLLOWING IS A LIST OF UNIMPROVED STREETS ORDERED BUILT BY THE CITY COUNCIL  
RESOLUTION, CONSTRUCTION OF WHICH HAS NOT COMMENCED:

<u>STREET</u>	<u>CURB</u> <u>ORDERED</u>	<u>LENGTH</u> <u>IN FEET</u>
BOWLET STREET, BARBARA STREET TO GRIMWOOD STREET	APR. 5, 1957	568
CRARY STREET, ALLENS AVENUE TO EAST LINE UNNAMED STREET	DEC. 5, 1940	276
CUTLER STREET, NEWARK STREET TO ATWELLS AVENUE	AUG. 7, 1952	206
DOROTHY AVENUE, LANGDON STREET TO WEST LINE ROBIN BROOK	MAY. 18, 1956	528
FREEDOM ROAD, OAKWOOD AVENUE TO HILLCREST AVENUE	APR. 5, 1957	176
GRIMWOOD STREET, OPHELIA STREET TO GLENBRIDGE AVENUE	JUNE 7, 1957	648
HILARITY STREET, BARBARA STREET TO GRIMWOOD STREET	APR. 5, 1957	568
JOY STREET, RIVER AVENUE TO WESTERLY TERMINATION	DEC. 6, 1954	400
LEHIGH STREET, POE STREET TO ALLENS AVENUE	APR. 8, 1955	478
MAYNARD STREET, BRUSH HILL ROAD TO HUNNEWELL AVENUE	APR. 5, 1957	176
NELLIE STREET, SMITHFIELD AVENUE TO ARGOL STREET	APR. 5, 1957	743
PAUL STREET, CHARLES STREET TO WEST LINE OF OPPER STREET	APR. 5, 1957	408
POE STREET, SEYMOUR STREET TO LEHIGH STREET	APR. 8, 1955	220
RUSO STREET, SOCIAL STREET TO PAUL STREET	APR. 5, 1957	296
TRAINOR STREET, ACORN STREET TO BALBO AVENUE	JUNE 20, 1935	249
UNNAMED PLATTED STREET, CRARY STREET TO GLOBE STREET	DEC. 5, 1940	117
VINCENT STREET, HUXLEY AVENUE TO TERMINATION	JUNE 7, 1957	229
WADSWORTH STREET, SORRENTO STREET TO HUNTINGTON AVENUE	MAR. 11, 1957	865
TOTAL		7151

PETITIONS TO HAVE GRADE DEFINED

<u>DATE</u>	<u>STREET AND LOCATION</u>
FEB. 7, 1952	STANSBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
AUG. 7, 1952	AMITY STREET, FROM ACADEMY AVENUE TO PEMBERTON STREET
OCT. 2, 1952	OKIE STREET, FROM BATH STREET TO ITS TERMINATION
AUG. 7, 1952	STOCKTON STREET, FROM DART STREET TO ITS EASTERLY TERMINATION

DEC. 4, 1952	GREELEY STREET, FROM HAGAN STREET TO ALASKA STREET
APR. 16, 1953	MYRA STREET, FROM KILLINGLY STREET TO BOUNDARY AVENUE
APR. 16, 1953	STELLA STREET, FROM BARBARA STREET TO GRIMWOOD STREET
OCT. 15, 1953	WEST STREET, FROM BELKNAP STREET TO CARGILL STREET
JAN. 21, 1954	WEST PARK STREET, FROM CALVERLEY STREET TO NORTHERLY TERMINATION
FEB. 18, 1954	QUARRY STREET, FROM CHARLES STREET TO TERMINATION
MAY 6, 1954	ST. THOMAS STREET, FROM FRUIT HILL AVENUE TO TARANTO STREET
MAY 6, 1954	COMET STREET, FROM SWISS STREET TO GESLER STREET
JULY 1, 1954	BULLOCK AVENUE, FROM DUNBAR STREET TO CITY LINE
SEPT. 2, 1954	KLONDIKE STREET, FROM HERSCHEL STREET TO 62 KLONDIKE STREET
SEPT. 2, 1954	GROTON STREET, FROM DURFEE STREET TO POWHATAN STREET
NOV. 2, 1954	SMART STREET, WINDMILL STREET TO ARGOL STREET
JAN. 20, 1955	ADIE STREET, FROM ATWELLS AVENUE TO CEDAR STREET
FEB. 17, 1955	OPHELIA STREET, FROM HARTFORD AVENUE TO ELIZA STREET
MAY 19, 1955	AMITY STREET, FROM ACADEMY AVENUE TO PEMBERTON STREET
JUNE 2, 1955	ARGOL STREET, FROM EDGEWORTH AVENUE TO NELLIE STREET
JUNE 2, 1955	AUMOND STREET, FROM EDGEWOOD BLVD. TO CITY LINE
JULY 7, 1955	VESPUCCI STREET, FROM DOUGLAS AVENUE TO FERNANDO STREET
JULY 7, 1955	HILLCREST AVENUE, FROM SOUTHERLY LINE FREEDOM ROAD TO SOUTH LINE CARVEL STREET
AUG. 4, 1955	POE STREET, FROM OXFORD STREET TO SEYMOUR STREET
SEPT. 1, 1955	QUEEN STREET, FROM LAUREL HILL AVENUE TO ITS NORTHERLY TERMINATION
NOV. 3, 1955	HYMER STREET, FROM CRANDALL STREET TO SEAMANS STREET
DEC. 1, 1955	WALLACE STREET, FROM CUMERFORD STREET TO ATWOOD STREET
DEC. 1, 1955	DERRY STREET, FROM OREGON STREET TO GEOFFREYS COURT
MAY 3, 1956	STUKELY STREET, FROM HARTFORD AVENUE TO #41 STUKELY STREET
MAY 3, 1956	WESTMORE STREET, FROM NIANTIC AVENUE TO LAKEVIEW DRIVE
JUNE 7, 1956	MONTICELLO STREET, FROM OPPER STREET TO ROBIN BROOK SEWER
AUG. 2, 1956	LIDIA STREET, FROM FARMINGTON AVENUE TO ITS TERMINATION
SEPT. 6, 1956	MINNESOTA STREET, FROM WOODWARD ROAD TO ITS TERMINATION
OCT. 4, 1956	BERKSHIRE STREET, FROM SALINA STREET TO CORNWALL STREET
NOV. 1, 1956	FREEDOM ROAD, FROM OAKWOOD AVENUE TO CHALKSTONE AVENUE
NOV. 1, 1956	HARMONY DRIVE, FROM FREEDOM ROAD TO CHALKSTONE AVENUE
DEC. 6, 1956	LONGFELLOW TERRACE, FROM LONGFELLOW ST. TO ROGER WILLIAMS AVENUE
DEC. 6, 1956	ROGER WILLIAMS AVENUE, FROM ELMWOOD AVE. TO LONGFELLOW TERRACE
FEB. 7, 1957	MARIA STREET, FROM KILLINGLY STREET TO CITY LINE
MAR. 7, 1957	RIDGE STREET, FROM GROVE STREET TO TOBEY STREET
APR. 18, 1957	WINDMILL STREET, FROM RECEIVED PORTION TO CITY LINE
APR. 18, 1957	STELLA STREET, FROM BARBARA STREET TO TERMINATION
MAY 2, 1957	THURSTON STREET, FROM ELMWOOD AVE. TO WESTERLY TERMINATION
MAY 16, 1957	CORSICA STREET, FROM FRUIT HILL AVENUE TO GENOA STREET
MAY 16, 1957	GENOA STREET, FROM FRUIT HILL AVENUE TO TARANTO STREET
MAY 16, 1957	LINDEN DRIVE, FROM COLE AVENUE TO EASTERLY TERMINATION
JUNE 6, 1957	CURTIS STREET, FROM BOSWORTH STREET TO SHERIDAN STREET
JUNE 6, 1957	POE STREET, FROM MUTUAL STREET TO OXFORD STREET
JULY 11, 1957	HILLARD STREET, FROM MANTON AVENUE TO PELHAM STREET
JULY 11, 1957	COWPER COURT, FROM MESSER STREET TO TERMINATION
AUG. 15, 1957	GROTTO AVENUE, FROM UPTON AVE. TO PORTION ALREADY RECEIVED

PETITIONED FOR CURBING AND GRADING

<u>DATE</u>	<u>STREET AND LOCATION</u>
FEB. 7, 1952	STANBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
AUG. 7, 1952	AMITY STREET, FROM ACADEMY AVENUE TO PEMBERTON STREET
AUG. 7, 1952	STOCKTON STREET, FROM BART STREET TO ITS EASTERLY TERMINATION
OCT. 2, 1952	OKIE STREET, FROM BATH STREET TO ITS TERMINATION
DEC. 4, 1952	GREELEY STREET, FROM HAGAN STREET TO ALASKA STREET
APR. 16, 1953	MYRA STREET, FROM KILLINGLY STREET TO BOUNDARY AVENUE

APR. 16, 1953	STELLA STREET, FROM BARBARA STREET TO GRIMWOOD STREET
JULY 16, 1953	BALCH STREET, FROM NIAN TIC AVENUE TO CALHOUN AVENUE
JULY 16, 1953	FRANKFORD STREET, FROM BURRINGTON STREET TO BALCH STREET
JULY 16, 1953	TYLER STREET, FROM NIAN TIC AVENUE TO FAITH STREET
SEPT. 3, 1953	NAHANT STREET, FROM RUSSO STREET TO OPPER STREET
DEC. 3, 1953	DANBY STREET, FROM WINDMILL STREET TO TERMINATION
JAN. 21, 1954	WEST PARK STREET, FROM CALVERLEY STREET TO NORTHERLY TERMINATION
FEB. 18, 1954	QUARRY STREET, FROM CHARLES STREET TO TERMINATION
MAY 6, 1954	ST. THOMAS STREET, FROM FRUIT HILL AVENUE TO TARANTO STREET
MAY 6, 1954	COMET STREET, FROM SWISS STREET TO GESLER STREET
JULY 1, 1954	BULLOCK AVENUE, FROM DUNBAR AVENUE TO CITY LINE
SEPT. 2, 1954	KLONDIKE STREET, FROM HERSCHEL ST. TO #62 KLONDIKE STREET
SEPT. 2, 1954	GROTON STREET, FROM DURFEE STREET TO POWHATAN STREET
SEPT. 2, 1954	DERRY STREET, FROM GEOFFREYS COURT TO OREGON STREET
NOV. 4, 1954	SMART STREET, FROM WINDMILL STREET TO ARGOL STREET
DEC. 20, 1954	ADIE STREET, FROM ATWELLS AVENUE TO CEDAR STREET
FEB. 17, 1955	OPHELIA STREET, FROM HARTFORD AVENUE TO ELIZA STREET
MAY 5, 1955	PARK ROW, FROM EDGEWOOD BOULEVARD SOUTHERLY TO GRANSTON CITY LINE
MAY 11, 1955	AMITH STREET, FROM ACADEMY AVENUE TO PEMBERTON STREET
JUNE 2, 1955	ARGOL STREET, FROM EDGEWORTH AVENUE TO NELLIE STREET
JUNE 2, 1955	AUMOND STREET, FROM EDGEWOOD BOULEVARD TO CITY LINE
JULY 7, 1955	VESPUCCI STREET, FROM DOUGLAS AVENUE TO FERNANDO STREET
JULY 7, 1955	HILLCREST AVENUE, FROM SOUTH LINE FREEDOM ROAD TO S. LINE CARVEL ST.
AUG. 4, 1955	POE STREET, FROM OXFORD STREET TO SEYMOUR STREET
SEPT. 1, 1955	QUEEN STREET, FROM LAUREL HILL AVE. TO ITS NORTHERLY TERMINATION
NOV. 3, 1955	HYMER STREET, FROM CRANDALL STREET TO SEAMANS STREET
DEC. 1, 1955	WALLACE STREET, FROM CUMERFORD STREET TO ATWOOD STREET
DEC. 1, 1955	DERRY STREET, FROM OREGON STREET TO GEOFFREYS COURT
MAY 3, 1956	STUKELY STREET, FROM HARTFORD AVENUE TO #41 STUKELY STREET
MAY 3, 1956	WESTMORE STREET, FROM NIAN TIC AVENUE TO LAKEVIEW DRIVE
AUG. 2, 1956	LIBIA STREET, FROM FARMINGTON AVENUE TO ITS TERMINATION
OCT. 4, 1956	BERKSHIRE STREET, FROM SALINA STREET TO CORNWALL STREET
NOV. 1, 1956	ACKERMAN STREET, FROM NIAN TIC AVENUE TO EASTERLY TERMINATION
NOV. 1, 1956	DUPOND STREET, FROM NIAN TIC AVENUE TO EASTERLY TERMINATION
NOV. 1, 1956	BINNEY STREET, FROM BIAN TIC AVENUE TO EASTERLY TERMINATION
NOV. 1, 1956	DAY STREET, FROM NIAN TIC AVENUE TO EASTERLY TERMINATION
NOV. 1, 1956	BINGHAM STREET, FROM BRANCH AVENUE TO DOUGLAS AVENUE
NOV. 1, 1956	CAXTON STREET, FROM BRANCH AVENUE TO DOUGLAS AVENUE
NOV. 1, 1956	AINSWORTH STREET, FROM BRANCH AVENUE TO DOUGLAS AVENUE
NOV. 1, 1956	FREEDOM ROAD, FROM OAKWOOD AVENUE TO CHALKSTONE AVENUE
NOV. 1, 1956	HARMONY DRIVE, FROM FREEDOM ROAD TO CHALKSTONE AVENUE
NOV. 15, 1956	BINGHAM STREET, FROM BRANCH AVENUE TO BURTON STREET
NOV. 15, 1956	BURTON STREET, FROM BINGHAM STREET TO TERMINATION
DEC. 6, 1956	LONGFELLOW TERRANCE, FROM LONGFELLOW ST. TO ROGER WILLIAMS AVENUE
DEC. 6, 1956	ROGER WILLIAMS AVENUE, FROM ELMWOOD AVENUE TO LONGFELLOW TERRACE
FEB. 7, 1957	MARIA STREET, FROM KILLINGLY STREET TO CITY LINE
MAR. 7, 1957	RIDGE STREET, FROM GROVE STREET TO TOBEY STREET
APR. 18, 1957	WINDMILL STREET, FROM RECEIVED PORTION TO CITY LINE
APR. 18, 1957	STELLA STREET, FROM BARBARA STREET TO TERMINATION
MAY 2, 1957	HAGAN STREET, FROM CHARLES STREET TO LANGDON STREET
MAY 2, 1957	THURSTON STREET, FROM ELMWOOD AVENUE TO WESTERLY TERMINATION
MAY 16, 1957	LINDEM DRIVE, FROM COLE AVENUE TO EASTERLY TERMINATION
JUNE 6, 1957	CURTIS STREET, FROM BOSWORTH STREET TO SHERIDAN STREET
JUNE 6, 1957	POE STREET, FROM MUTUAL STREET TO OXFORD STREET
JULY 11, 1957	HILLARD STREET, FROM MANTON AVENUE TO PELHAM STREET
JULY 11, 1957	COWPER COURT, FROM MESSER STREET TO TERMINATION
JULY 11, 1957	SMART STREET, FROM ARGOL STREET TO TERMINATION
AUG. 15, 1957	GROTTO AVENUE, FROM UPTON AVENUE TO PORTION ALREADY RECEIVED



SUMMARY TO OCTOBER 1, 1957

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

TYPES OF PAVEMENT	LENGTHS	AREA
	MILES	SQUARE YARDS
REINFORCED CONCRETE	0.17	3,101.3
BITUMINOUS CONCRETE (CURBED)	100.04	1,784,774.6
BITUMINOUS CONCRETE (NOT CURBED)	4.91	86,048.0
SHEET ASPHALT (CURBED)	67.29	1,620,155.7
SHEET ASPHALT (NOT CURBED)	0.30	4,195.0
BITUMINOUS MACADAM (CURBED)	179.00	2,747,600.8
BITUMINOUS MACADAM (NOT CURBED)	3.59	57,732.0
ASPHALT BLOCKS	0.14	1,555.4
BRICK	0.02	197.2
COBBLE	0.38	3,510.5
GRANITE BLOCKS	3.40	56,273.4
WATERBOUND MACADAM (CURBED)	3.07	49,057.0
WATERBOUND MACADAM (NOT CURBED)	0.58	6,237.0
	<u>362.89</u>	<u>6,420,437.9</u>
RECEIVED (NOT IMPROVED)	3.39	
TOTAL	<u>366.28</u>	

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

STREETS PAVED WITH NEW MATERIAL	64,662 LINEAR FEET
SHEET ASPHALT PAVEMENT LAID	14,433 SQUARE YARDS
BITUMINOUS CONCRETE PAVEMENT LAID	138,958 SQUARE YARDS
BITUMINOUS MACADAM PAVEMENT LAID	42,548 SQUARE YARDS

## SEWER AND STRUCTURAL SECTION

THE DUTIES OF THIS SECTION CONSIST OF THE PREPARATION OF STUDIES, PLANS, SPECIFICATIONS AND ESTIMATES OF PROPOSED SANITARY AND STORM SEWERS, PREPARATION OF STUDIES, PLANS, SPECIFICATIONS AND ESTIMATES OF PROPOSED MISCELLANEOUS STRUCTURES AND THE FIELD ENGINEERING AND INSPECTION WORK OF ALL ABOVE PROJECTS IN PROGRESS AND THE COMPUTATION OF PARTIAL PAYMENTS AND 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, AND A REPORT WAS MADE COVERING THE NIGHT FLOWS FOR ONE WEEK, FROM JULY 29, 1957 TO AUGUST 4, 1957 BETWEEN THE HOURS OF 3 A.M. AND 6 A.M. TO ATTEMPT TO INDICATE INFILTRATION.

A CONTRACT FOR SEWERS IN TWENTY-FOUR STREETS BY THE D'ERCOLE CONSTRUCTION COMPANY, DATED MAY 6, 1955 WAS COMPLETED ON OCTOBER 6, 1956. THE FINAL COST WAS \$265,297.62 AND THE STREETS INVOLVED AND THE COMPLETION DATES ARE AS FOLLOWS:

### DATES

#### COMPLETED

AUG. 27, 1955	WAITE STREET, FROM ADMIRAL STREET TO GENERAL STREET
NOV. 10, 1955	BATCHELLER AVENUE, FROM NEAR ARGOL STREET TO SILVER SPRING STREET
SEPT. 17, 1955	CLEMATIS STREET, FROM NEAR GLOVER STREET TO MALLOY STREET
JUNE 4, 1956	DEFOE PLACE, FROM ITS EASTERLY ANGLE TO CONGDON STREET
NOV. 10, 1955	GREELEY STREET, FROM HAGAN STREET TO AVENTINE STREET
MAR. 27, 1956	HERBERT STREET, FROM NEAR GERARDI AVENUE TO CHALKSTONE AVENUE
APR. 13, 1956	BOWLETT STREET, FROM NEAR BARBARA STREET TO ITS NORTHERLY TERMINATION
JULY 6, 1956	DANBY STREET, FROM ITS NORTHERLY TERMINATION TO WINDMILL STREET
DEC. 8, 1955	HILARITY STREET, FROM NEAR BARBARA STREET TO GRIMWOOD STREET
NOV. 19, 1955	JOHNSON STREET, FROM NEAR EDDY STREET TO ERNEST STREET
APR. 12, 1956	KING PHILIP STREET, FROM NEAR BARBARA STREET TO GRIMWOOD STREET
APR. 14, 1956	PLEASANT VALLEY PARKWAY (SOUTH SIDE) FROM NEAR RIVER AVENUE TO WINROOTH AVENUE
NOV. 10, 1955	RALSTON STREET, FROM LANGDON STREET, THROUGH RIGHT-OF-WAY TO CANADA POND TRUNK SEWER
SEPT. 3, 1955	SEEKONK STREET, FROM NEAR WAYLAND AVENUE TO BUTLER AVENUE
AUG. 3, 1955	MUTUAL STREET, FROM NEAR EDDY STREET TO ALLENS AVENUE
NOV. 9, 1955	EDGEWORTH AVENUE, FROM APPROXIMATELY 450 FEET WEST OF ARGOL STREET TO ARGOL STREET
APR. 20, 1956	PLYMOUTH STREET, FROM NEAR POTTERS AVENUE TO HUNTINGTON AVENUE
JUNE 21, 1956	WINDMILL STREET, FROM NEAR CITY LINE TO PRESENT SEWER IN WINDMILL ST.
JULY 5, 1955	BRADLEY STREET, FROM NEAR RIVER AVENUE TO CUMBERLAND STREET
JUNE 23, 1955	FUNSTON AVENUE, FROM APPROXIMATELY 850 FEET WEST OF CLOVE STREET TO CLOVE STREET AND IN CLOVE STREET FROM FUNSTON AVENUE TO TEXAS AVENUE
JULY 12, 1956	GRAPE STREET, FROM CERES STREET TO ITS SOUTHERLY TERMINATION AND IN ALICANT STREET FROM GRAPE STREET TO VETO STREET
AUG. 11, 1955	FAIR STREET, FROM SEAMANS STREET TO PHEBE STREET
OCT. 6, 1956	WOODWARD ROAD, FROM APPROXIMATELY 1120 FEET NORTH OF DAKOTA STREET TO DAKOTA STREET

A CONTRACT FOR SEWERS IN FOURTEEN STREETS BY EDWARD F. CAPALDI, INC., DATED APRIL 30, 1956 WAS COMPLETED ON NOVEMBER 13, 1956. THE FINAL COST WAS \$98,388.93

AND THE STREETS INVOLVED AND THE COMPLETION DATES ARE AS FOLLOWS:

DATES		
<u>COMPLETED</u>		
OCT. 3, 1956	ADIE STREET FROM NEAR ATWELLS AVENUE TO CEDAR STREET	
JUNE 14, 1956	ARGOL STREET, FROM NEAR NELLIE STREET TO EDGEWORTH AVENUE	
JULY 18, 1956	DRESSER STREET, FROM APPROXIMATELY 140 FEET EAST OF MATSON AVENUE TO PONAGANSETT AVENUE	
JULY 25, 1956	KLONDIKE STREET, FROM APPROXIMATELY 210 FEET WEST OF HERSCHEL STREET TO HERSCHEL STREET	
JUNE 28, 1956	LANCASHIRE STREET, FROM APPROXIMATELY 250 FEET EAST OF DOUGLAS AVENUE TO DOUGLAS AVENUE	
JUNE 7, 1956	NELLIE STREET, FROM NEAR ARGOL STREET TO SMITHFIELD AVENUE	
AUG. 16, 1956	WESTCOTT AVENUE, FROM THE ANGLE WEST OF FRUIT HILL AVENUE TO MANTON AVENUE	
JUNE 20, 1956	ASHTON STREET, FROM NEAR CHATHAM STREET TO LUNA STREET	
JULY 9, 1956	PARENTE STREET, FROM APPROXIMATELY 120 FEET NORTH OF SMART STREET TO SMART STREET AND FROM APPROX. 60 FEET SOUTH OF SMART STREET TO SMART STREET	
JULY 9, 1956	SMART STREET, FROM PARENTE STREET WESTERLY TO PRESENT SEWER IN SMART STREET	
AUG. 28, 1956	POE STREET, FROM NEAR OXFORD STREET TO SEYMOUR STREET	
JUNE 29, 1956	WALLACE STREET, FROM NEAR ATWOOD STREET TO CUMERFORD STREET	
NOV. 9, 1956	UNNAMED STREET (APRIL COURT) SOUTH OF EATON STREET FROM NEAR SHARON STREET EASTERLY TO THE BEND IN SAID UNNAMED STREET AND THENCE SOUTHERLY TO SMITH STREET.	
NOV. 13, 1956	GLOUCESTER STREET, FROM NEAR ADMIRAL STREET TO SUNBURY STREET	

A CONTRACT FOR SEWERS IN DAVIS PARK AND IN THIRTEEN STREETS BY THE C.L. GUILD CONSTRUCTION CO. INC., DATED APRIL 24, 1957 IS NOW IN CONSTRUCTION. THE STREETS INVOLVED ARE AS FOLLOWS WITH THE COMPLETION DATES NOTED. ESTIMATED VALUE OF THE WORK DONE TO DATE EQUALS \$106,204.50. TOTAL WORK WILL APPROXIMATE \$147,000.00

NOT COMPLETED	DAVIS PARK - SEWER ALTERATIONS
MAY 24, 1957	MEDWAY STREET, FROM APPROXIMATELY 400 FEET EAST OF BUTLER AVENUE TO BUTLER AVENUE
NOT COMPLETED	KILLINGLY STREET, FROM THE CITY LINE TO TOWN OF JOHNSTON TO HARTFORD AVENUE
AUG. 16, 1957	HUNNEWELL AVENUE, FROM NEAR CHALKSTONE AVENUE TO PRESENT SEWER IN HUNNEWELL AVENUE
JUNE 19, 1957	MINNESOTA STREET, FROM ITS EASTERLY TERMINATION TO WOODWARD ROAD
JUNE 7, 1957	NEWBURY STREET, FROM NEAR LANGDON STREET TO NEAR STANHOPE STREET
JUNE 6, 1957	SEDAN STREET, FROM MILAN STREET TO ARGOL STREET
NOT COMPLETED	ADA AVENUE, FROM NEAR HILL CREST AVENUE TO BRUSH HILL ROAD
NOT COMPLETED	FLOWER STREET, FROM NEAR CITY VIEW PARKWAY TO HARTFORD AVENUE
NOT COMPLETED	HARMONY DRIVE, FROM 175 FEET NORTH OF FREEDOM ROAD TO FREEDOM ROAD, AND IN FREEDOM ROAD, FROM HARMONY DRIVE WESTERLY AND THEN NORTHERLY TO CHALKSTONE AVENUE
NOT COMPLETED	RIDGE STREET, FROM NEAR GROVE STREET TO TOBEY STREET
NOT COMPLETED	LINDEN DRIVE, FROM ITS EASTERLY TERMINATION TO COLE AVENUE
NOT COMPLETED	SHARON STREET, FROM NEAR EATON STREET TO APRIL COURT AND IN APRIL COURT FROM SHARON STREET TO PRESENT SEWER IN APRIL COURT.

FOLLOWING ARE LISTS OF STREETS FOR WHICH SEWER PLANS WERE MADE FOR SUBMISSION TO THE PUBLIC WORKS COMMITTEE OF THE CITY COUNCIL:

LIST No.1

SEWERS ORDERED BUILT BY THE CITY COUNCIL WHICH ARE NOT CONSTRUCTED AS OF SEPTEMBER 30, 1956, EXCLUSIVE OF THOSE CONTRACTED FOR:

CITY COUNCIL

RESOLUTION

AND YEAR	LOCATION
229 1940	BUCKLIN STREET, FROM NEAR POTTERS AVENUE TO GREENWICH STREET
440 1940	NIANTIC AVENUE, FROM NEAR CRANSTON STREET TO AKERMAN STREET
293 1951	WHITE STREET, FROM POWELL STREET TO COLLYER STREET
201 1957	CARDER STREET, FROM NEAR BURTON STREET TO CAXTON STREET AND IN CAXTON STREET FROM NEAR CARDER STREET TO AINSWORTH STREET AND IN AINSWORTH STREET FROM CAXTON STREET TO DOUGLAS AVENUE
290 1957	ST. THOMAS STREET, FROM NEAR TARANTO STREET TO FRUIT HILL AVENUE
411 1957	RIVERDALE STREET, FROM ITS WESTERLY TERMINATION TO MANTON AVENUE
446 1957	RUSHMORE AVENUE, FROM NEAR ALMIRA STREET TO ADA AVENUE
448 1957	THURSTON STREET, FROM ITS WESTERLY TERMINATION TO ELMWOOD AVENUE

LIST No.2

SEWERS PETITIONED FOR AND REFERRED TO THE PUBLIC WORKS COMMITTEE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1957 AND NO ACTION TAKEN:

JULY 2, 1946	MURPHY STREET, FROM NEAR ATWELLS AVENUE TO CEDAR STREET
JULY 2, 1946	PENROSE AVENUE, FROM NEAR BLACKSTONE BLVD. TO GROTTO AVENUE
JULY 10, 1947	CARNAC STREET, FROM GILLEN STREET TO MARIETTA STREET
JULY 10, 1947	SWEETBRIAR STREET, FROM MALBONE STREET TO OAKLAND AVENUE
SEPT. 4, 1947	SWAN STREET, FROM EDDY STREET TO POE STREET
SEPT. 18, 1947	OWEN STREET, FROM MANTON AVENUE TO KING STREET INCLUDING RIGHT-OF-WAY TO BE OBTAINED ON KING STREET
JAN. 2, 1947	POWELL STREET, FROM CITY LINE TO MATILDA STREET, AND IN COLLYER STREET FROM WHITE STREET TO MATILDA STREET
SEPT. 2, 1948	ALLSTON STREET, FROM RILL STREET TO HAROLD STREET
MAY 5, 1949	BINGHAM STREET, FROM BRANCH AVENUE TO CAXTON STREET
AUG. 4, 1949	STEELE STREET, FROM ROCHAMBEAU AVENUE TO LANCASTER STREET
SEPT. 5, 1949	SECOND STREET, FROM HIGHLAND AVENUE TO CRESTON WAY
OCT. 6, 1949	BARBARA STREET, FROM CELIA STREET TO KING PHILIP STREET
NOV. 3, 1949	PALM STREET, FROM OAK STREET TO WILLOW STREET
DEC. 15, 1949	BARBARA STREET, FROM GLENBRIDGE AVENUE TO PONAGANSETT AVENUE
DEC. 15, 1949	BARBARA STREET, FROM MIDDLETON STREET TO BOWLETT STREET
FEB. 2, 1950	EDNA STREET, FROM PLAINFIELD STREET TO HARTFORD AVENUE
FEB. 16, 1950	ROWLEY STREET, FROM BATTERSON STREET TO SICILY STREET
APR. 20, 1950	PANAY STREET, FROM CURTIS STREET TO ALEPPO STREET
JUNE 1, 1950	CUTLER STREET, FROM NEWARK STREET TO ATWELLS AVENUE
AUG. 10, 1950	DERRY STREET, FROM GEOFFREYS COURT TO OREGON STREET
OCT. 19, 1950	CARLETON STREET, FROM DOVER STREET TO CHALKSTONE AVENUE
NOV. 2, 1950	WHITE STREET, FROM NORTH MAIN STREET TO NASHUA STREET
APR. 5, 1951	BRUSH HILL ROAD, FROM ADA AVENUE TO CHALKSTONE AVENUE
APR. 19, 1951	MESSINGER STREET, FROM ATWELLS AVENUE TO SPRUCE STREET
MAY 3, 1951	BENEDICT STREET, FROM CRANSTON STREET TO HUNTINGTON AVENUE
DEC. 20, 1951	STANTON STREET, FROM UNION AVENUE TO MURRAY STREET
JAN. 3, 1952	BLACKSTONE BOULEVARD
OCT. 2, 1952	OKIE STREET, FROM ITS WESTERLY TERMINATION TO BATH STREET
APR. 16, 1953	BARBARA STREET, FROM KING PHILIP STREET TO MIDDLETON STREET
APR. 16, 1953	MYRA STREET, FROM NEAR BOUNDARY AVENUE TO KILLINGLY STREET
MAY 21, 1953	MELISSA STREET, FROM BARBARA STREET TO GRIMWOOD STREET
MAY 21, 1953	MIDDLETON STREET, FROM BARBARA STREET TO GRIMWOOD STREET
FEB. 18, 1954	QUARRY STREET, FROM ITS TERMINATION TO CHARLES STREET

JULY 1, 1954	BULLOCK AVENUE, FROM CITY LINE TO DUNBAR STREET
SEPT. 2, 1954	GROTON STREET, FROM DURFEE STREET TO POWHATAN STREET
FEB. 17, 1955	OPHELIA STREET, FROM ELIZA STREET TO HARTFORD AVENUE
MAY 5, 1955	PARK ROW, FROM NEAR CRANSTON CITY LINE TO EDGEWOOD BOULEVARD
MAY 19, 1955	AMITY STREET, FROM NEAR PEMBERTON STREET TO ACADEMY AVENUE
JULY 7, 1955	VESPUCCI STREET, FROM FERNANDO STREET TO DOUGLAS AVENUE
SEPT. 1, 1955	QUEEN STREET, FROM ITS NORTHERLY TERMINATION TO CLEVELAND STREET
NOV. 3, 1955	HYMER STREET, FROM NEAR SEAMANS STREET TO CRANDALL STREET
DEC. 1, 1955	DERRY STREET, FROM NEAR GEOFFREYS COURT TO OREGON STREET
MAY 3, 1956	STUKELY STREET, FROM ITS NORTHERLY TERMINATION TO HARTFORD AVENUE
MAY 3, 1956	WESTMORE STREET, FROM NIAN TIC AVENUE TO LAKEVIEW DRIVE
AUG. 2, 1956	LIBIA STREET, FROM THE CITY LINE TO FARMINGTON AVENUE
NOV. 1, 1956	AKERMAN STREET, FROM NIAN TIC AVENUE, NORTHERLY
" "	DUPONT STREET, FROM " " "
" "	BINNEY STREET, FROM " " "
" "	DAY STREET, FROM " " "
DEC. 6, 1956	ROGER WILLIAMS AVENUE, FROM ELMWOOD AVENUE TO LONGFELLOW TERRACE
FEB. 7, 1957	MARIS STREET, FROM KILLINGLY STREET TO THE CITY LINE
MAR. 7, 1957	OAKWOOD AVENUE, FROM APPROXIMATELY 150 FT. SOUTH OF FREEDOM ROAD TO PRESENT SEWER IN OAKWOOD AVENUE
MAR. 7, 1957	MILANO STREET, FROM NEAR WILNA STREET TO SEDAN STREET
JUNE 6, 1957	CURTIS STREET, FROM SHERIDAN STREET TO BOSWORTH STREET
JUNE 6, 1957	COWPER COURT, FROM ITS TERMINATION TO MESSER STREET
JUNE 6, 1957	POE STREET, FROM NEAR MUTUAL STREET TO OXFORD STREET
SEPT. 5, 1957	HUXLEY AVENUE, FROM 247 HUXLEY AVENUE TO 267 HUXLEY AVENUE

SEWER ASSESSMENTS: SEWER ASSESSMENTS AS PROVIDED BY AUTHORITY OF CHAPTER 870 OF THE PUBLIC LAWS OF THE STATE OF RHODE ISLAND OF 1901 "SHALL BE EXCLUSIVELY USED FOR THE PAYMENT OF THE ANNUAL APPROPRIATION FOR SINKING FUNDS FOR SEWER BONDS." THE COMPUTING OF THESE ASSESSMENTS IS DONE BY THE SEWER SECTION.

SEWER SYSTEM STATISTICS: IN ORDER TO MAKE COMPLETE THE PROVIDENCE SEWER SYSTEM STATISTICS UP TO THE END OF THE FISCAL YEAR OF SEPTEMBER 30, 1957 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 THE RIVERS, WERE CONSTRUCTED IN THESE AREAS BETWEEN THE YEARS 1871 AND 1890 TO A TOTAL LENGTH OF 62.7 MILES.

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 INTERCEPTING SEWERS, DESIGNED FOR THE COLLECTION OF SEWAGE FLOW FROM THE OLDER SEWERS WHICH HERETOFORE DISCHARGED INTO THE RIVERS WHICH HELPED TOWARD THE ELIMINATION OF SEWAGE POLLUTION OF RIVER AND HARBOR WATERS. DUE TO LATER REVISIONS IN CONSTRUCTION THE LENGTH OF THE IMPROVED SEWER SYSTEM EQUALED AS OF SEPTEMBER 30, 1957, 47.9436 MILES.

IN 1872 THE FIRST STORM SEWER CONSTRUCTION WAS STARTED AND AS OF SEPTEMBER 30, 1957 A TOTAL OF 85.3516 MILES OF SEWERS FOR STORM WATER ONLY, HAVE BEEN CONSTRUCTED AND DISCHARGED INTO THE NEAREST AVAILABLE POND OR STREAM

THE TOTAL LENGTH OF THE SO-CALLED REGULAR COMBINED SEWERS AS OF SEPTEMBER 30, 1957 EQUALS 323.7018 MILES

THE TOTAL LENGTH OF ALL TYPES AND SIZES OF SEWERS MAINTAINED BY THE SEWER DIVISION OF THE PUBLIC WORKS DEPARTMENT AS OF SEPTEMBER 30, 1957 EQUALS 456,9970 MILES.

INCLUDED IN THIS MILEAGE ARE APPROXIMATELY 19,800 MANHOLES, ALSO THERE ARE APPROXIMATELY 4660 INLETS AND 11,600 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 DRAINS 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 COMPARITIVELY 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 THE SEWAGE FLOWS BY GRAVITY TO THE LARGE PUMPING STATION AT ERNEST STREET. (SEE DESCRIPTION OF PUMPING STATION ELSEWHERE). 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. (SEE DESCRIPTION OF THE SEWAGE DISPOSAL PLANT ELSEWHERE).

THE SEWAGE PUMPING STATION (ERNEST STREET). FROM AUGUST 1938 TO JANUARY 1941 THE SEWAGE PUMPING STATION WAS MODERNIZED BY CHANGING FROM STEAM DRIVEN PUMPS TO ELECTRICALLY DRIVEN PUMPS AND PROVIDED AN OUTLET FOR SURPLUS ELECTRICAL POWER GENERATED AT THE CITY OF PROVIDENCE INCINERATOR AT FIELDS POINT. THE NEW PUMPS ARE CAPABLE OF PUMPING A TOTAL OF 200 MILLION GALLONS OF SEWAGE DAILY AND OPERATE WITH 2300 VOLT, 60 CYCLE, ALTERNATING CURRENT MOTORS. THIS PLANT HAS FUNCTIONED PERFECTLY SINCE INSTALLATION AND HAS NOT FAILED TO PERFORM SATISFACTORILY THROUGH FLASH FLOODS AND HURRICANES.

SEWAGE FROM CRANSTON AND NORTH PROVIDENCE. BY SPECIAL ACTS OF THE RHODE ISLAND LEGISLATURE, PARTS OF CRANSTON SEWAGE AND ALL OF THE NORTH PROVIDENCE DOMESTIC SEWAGE ARE ALLOWED TO ENTER THE CITY OF PROVIDENCE SEWER SYSTEM FOR DISPOSAL AND TREATMENT.

RECEIVED FROM CRANSTON. (NARRAGANSETT BREWING COMPANY) CONTRACT DATED JUNE 1, 1955 1956-1957, 125,692,900 GALLONS, METERED AND BILLED FOR \$7,164.50.

RECEIVED FROM NORTH PROVIDENCE. (CONTRACT DATED DECEMBER 4, 1939) 1956-1957 2,445,171,500 GALLONS ESTIMATED, CONTRACT TERMS \$20,000.00 ANNUALLY.

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 SEARCHERS, 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 AS 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 THE 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 1957 THE DIRECTOR OF PUBLIC WORKS ISSUED LICENSES TO SEVEN DRAIN LAYERS AND FOUR SPECIALS FOR SPRINKLER SYSTEM LICENSES. NO LIST OF LICENSED PLUMBERS WAS RECEIVED FROM STATE AUTHORITIES. THERE WAS APPROXIMATELY 3000 TITLES INVESTIGATED FOR ENCUMBRANCES OF DRAINAGE FACILITIES BY TITLE COMPANY INVESTIGATORS, AND 3000 SKETCHES OF PRESENT DRAINAGE INSTALLATIONS GIVEN TO INTERESTED PARTIES. (OWNERS, PLUMBERS AND DRAIN LAYERS.

MISCELLANEOUS WORK. DURING THE YEAR SPECIFICATIONS WERE WRITTEN UP, STENCILS CUT AND CHECKED AND THE BIDS WERE TABULATED FOR THE FOLLOWING EQUIPMENT:

<u>BIDS SUBMITTED</u>		<u>DESCRIPTION</u>	<u>ORDERED BY</u>
NOV. 13, 1956	ONE	3/4 TON PICKUP TRUCK	HIGHWAY SECTION
DEC. 26, 1956	ONE	3/4 TON PICKUP TRUCK	SEWER SECTION
JAN. 14, 1957	ONE	14,000# G.V.W. DUMP TRUCK (LOW MOUNT)	HEALTH DEPT.
FEB. 11, 1957	ONE	2-DOOR SEDAN AUTOMOBILE	PUBLIC SERVICE ENGR
FEB. 11, 1957	ONE	3/4 TON PICKUP TRUCK	PARK DEPARTMENT
FEB. 11, 1957	ONE	3/4 TON PICKUP TRUCK	HIGHWAY SECTION
MAR. 11, 1957	TWO	125 CFM. AIR COMPRESSORS MOUNTED ON ONE TON TRUCK CHASSIS	HIGHWAY SECTION
MAR. 11, 1957	ONE	BITUMINOUS PAVER	HIGHWAY SECTION
MAR. 11, 1957	ONE	MEDIUM PRICED FOUR DOOR SEDAN	DEPUTY DIRECTOR
MAR. 18, 1957	ONE	25 TON GOOSENECK TRAILER	HIGHWAY SECTION
MAR. 18, 1957	ONE	GASOLINE TRACTOR 30000# GVW.	HIGHWAY SECTION
MAR. 18, 1957	ONE	2 DOOR SEDAN AUTOMOBILE	FORESTRY SECTION
MAR. 25, 1957	TWO	MOTORIZED PICKUP STREET SWEEPERS	HIGHWAY SECTION
MAR. 25, 1957	THREE	16 YARD REFUSE COLLECTION TRUCKS	SANITATION DIVISION
MAR. 31, 1957	ONE	FRONT END LOADER	HIGHWAY SECTION
JUNE 3, 1957	ONE	16 YARD GARBAGE TRUCK	SANITATION DIVISION
JUNE 10, 1957	ONE	21000# GVW ASH DUMP TRUCK	SANITATION DIVISION
JUNE 10, 1957	TWO	30000# TRUCK CHASSIS ONLY, COMBINED WITH OVERHAULING AND REMOUNTING OLD 15 YARD COLLECTION BODIES	SANITATION DIVISION
JULY 15, 1957	ONE	1-TON PICKUP TRUCK	HIGHWAY SECTION
AUG. 12, 1957	FOUR	30000# GVW DUMP TRUCKS	HIGHWAY SECTION
AUG. 19, 1957	ONE	2 DOOR SEDAN AUTOMOBILE	SANITATION DIVISION
AUG. 19, 1957	TWO	1/2-TON PICKUP TRUCKS	SANITATION DIVISION
AUG. 19, 1957	ONE	1-TON TANDEM ROAD ROLLER	RECREATION DEPT.
MAY 13, 1957		INSURANCE POLICY FOR COVERAGE OF EQUIPMENT AT THE MUNICIPAL INCINERATOR INCLUDING BOILERS, UNFIRED VESSELS, TURBINES, ELECTRICAL MACHINES AND ELECTRICAL APPARATUS. THE AMERICAN GUARANTEE & LIABILITY INS. CO., WAS THE LOW BIDDER IN THE AMOUNT OF \$4,407.49 FOR THE THREE YEAR PREMIUM.	

THE FOLLOWING CONTRACT WORK IN CONNECTION WITH THE MUNICIPAL WHARF IMPROVEMENTS, IN ACCORDANCE WITH PLANS AND SPECIFICATIONS, WAS SUPERVISED, INSPECTED AND MONTHLY ESTIMATES MADE FOR PAYMENTS TO THE CONTRACTORS:

1. A CONTRACT FOR THE "ALTERATIONS TO AND RENEWAL OF RAILROAD TRACKS; CONSTRUCTION OF REINFORCED CONCRETE PAVEMENT AND OTHER MISCELLANEOUS WORK" WAS ENTERED INTO WITH THE J.J.MCHALE & SONS, INC. OF PAWTUCKET, R. I. DATED APRIL 17, 1957 IN THE AMOUNT OF \$254,334.00. THIS WORK WAS STARTED ON JUNE 20, 1957 AND AS OF SEPTEMBER 30, 1957 THE ESTIMATED VALUE OF THE WORK COMPLETED EQUALED \$104,174.20.

2. IN CONNECTION WITH THE CONCRETE REQUIREMENTS OF THE SPECIFICATIONS THE HALLER TESTING LABORATORIES, INC. OF WATERTOWN, MASS. WERE CONTRACTED WITH TO MAKE THE NECESSARY TESTS AND TO DATE ALL OF THE COMPRESSION TESTS HAVE MET WITH THE REQUIRED 3000 LBS. PER SQ.IN AT 28 DAYS.

BEFORE THE CONCRETE SLABS WERE POURED NEAR THE SEA WALL THE RICHFIELD CORPORATION WAS GIVEN PERMISSION TO INSTALL AN ADDITIONAL PIT AND ADDITIONAL OIL AND GASOLINE PIPE LINES BACK OF THE WALL. THIS WORK WAS DONE BY THE J.J.MCHALE & SONS CONSTRUCTION CO. IN CONJUNCTION WITH OUR WORK AND PAID FOR BY THE RICHFIELD OIL CORPORATION OF NEW YORK. ON JULY 16, 1957 THE PLAN WAS APPROVED BY THIS OFFICE, AND FIELD INSPECTION OF THE WORK WAS MADE.

IN CONNECTION WITH THE INSTALLATION OF THE RAILROAD WORK THE NEW YORK, NEW HAVEN & HARTFORD RAILROAD PERIODICALLY INSPECTED THIS WORK THROUGH THE DIVISION ENGINEERS OFFICE AND HAVE GIVEN THE WORK THEIR APPROVAL.

3. A CONTRACT FOR THE "FENDER SYSTEM RENEWAL AND REPAIRS WITH ALL WORK INCIDENTAL THERETO" WAS ENTERED INTO WITH THE "MCKEE LIGHTER COMPANY" OF BOSTON, MASS. DATED APRIL 1, 1957 IN THE AMOUNT OF \$74,473.00. THIS WORK WAS STARTED ON JUNE 3, 1957 AND AS OF SEPTEMBER 30, 1957 THE ESTIMATED VALUE OF THE WORK COMPLETED EQUALED \$70,425.00.

AT FIELDS POINT A PLAN WAS DEVISED TO ELIMINATE A FAULTY LOCATION OF A SWITCH CONNECTION JUST NORTHWEST OF THE TRANSFER SHED No.1. THE PLAN RECEIVED THE APPROVAL OF THE NEW YORK NEW HAVEN & HARTFORD RAILROAD AND THE TRACK WORK WAS STARTED DECEMBER 12, 1956 AND WAS COMPLETED BY THE BRIDGE MAINTENANCE FORCES IN 1957.

AT FIELDS POINT ON TERMINAL ROAD A SEWER LINE WAS MOVED EASTERLY TO ALLOW CONSTRUCTION OF THE PROPOSED FINAL SEWAGE DISPOSAL TANK, AND THIS WORK WAS DONE BY THE SEWER MAINTENANCE FORCES.

AT FIELDS POINT AN INSPECTION OF THE ROOF WAS MADE ON MARCH 12, 1957 IN CONNECTION WITH ROOFING REPAIRS FOR THE STORAGE WAREHOUSE.

IN CONNECTION WITH A REINFORCED CONCRETE STAIRWAY EXTENDING FROM MERINO PARK TO THE HARTFORD HOUSING PROJECT, PLANS WERE MADE BY THIS DEPARTMENT AND SPECIFICATIONS WERE DRAWN UP FOR THE CITY ARCHITECT. A CONTRACT WAS AWARDED TO THE A.C.BEALS CONSTRUCTION CO. AND CONSTRUCTION STARTED DECEMBER 11, 1956 AND COMPLETED FEBRUARY 20, 1957. DAILY INSPECTIONS WERE MADE ON THIS WORK.

IN CONNECTION WITH THE FIELD HOUSE SEWAGE AT MERINO PARK A PROPOSED SYPHON SEWER WAS INSTALLED UNDER THE RIVER AND THE WORK WAS COMPLETED BY THE SEWER MAINTENANCE FORCES.

A SEWER PLAN THAT WAS MADE IN CONNECTION WITH THE ABANDONMENT OF UNION STREET BETWEEN SABIN AND FOUNTAIN STREETS FOR A RE-ARRANGEMENT OF THE STORM FLOW WAS ABANDONED. INCLUDED IN AN AGREEMENT DATED JULY 18, 1957 WITH THE PROVIDENCE JOURNAL CO., IT WAS PROVIDED THAT THEY WOULD SUBSTITUTE FOR OUR PRESENT 15 INCH CONCRETE



PIPE LINE A NEW 15 INCH CAST IRON PIPE LINE, TO BE LOCATED IN APPROXIMATELY THE SAME LOCATION IN THE ABANDONED SECTION OF UNION STREET AT THEIR EXPENSE WITH THE PROVISION THAT THE PROVIDENCE JOURNAL CO. WOULD MAINTAIN THE NEW LINE WHICH IS UNDER THEIR PROPOSED BUILDING EXTENSION. THIS WORK WAS COMPLETED JULY 27, 1957 BY GEO. E. REINSANT & SONS, INC. OF PAWTUCKET IN CONNECTION WITH THE PLUMBING WORK FOR THE BUILDING, WITH THE AID OF THE C.L. GUILD CONSTRUCTION CO.

THIS WORK WAS INSPECTED AND APPROVED TO OUR SATISFACTION.

IN CONNECTION WITH THE PROPOSED SEWAGE FLOW FROM THE TOWN OF JOHNSTON; HALEY AND WARD ENGINEERS, BOSTON, MASS. AND THE V.F. CAPALDI CONSTRUCTION CO. ARE WORKING ON THE PROPOSED FIVE CONNECTIONS TO THE PROVIDENCE SEWER SYSTEM. FINAL PLANS WERE APPROVED JULY 30, 1957 AND PERIODICAL INSPECTION TRIPS ARE MADE ON THIS WORK AND FINAL INSPECTIONS FOR APPROVAL ARE MADE BY THE SEWER MAINTENANCE SECTION. THE FOLLOWING DATA IS SUBMITTED:

<u>LOCATION</u>	<u>SIZE</u>	<u>COMPLETION DATE OF CONNECTION</u>
*MANTON AVENUE	16 INCH WITH METER	JANUARY 22, 1957
**SILVER LAKE AVENUE	15 INCH WITH METER	NOT CONNECTED
HARTFORD AVENUE	8 INCH NOT METERED	APRIL 15, 1957
PAOLINO STREET	8 INCH NOT METERED	NOT CONNECTED
SUNSET AVENUE	8 INCH NOT METERED	NOT CONNECTED
*FLOW OF SEWAGE STARTED JUNE 10, 1957		
**COURT CASE PENDING.		

IN CONNECTION WITH THE REPLACEMENT OF TWO BRIDGES AT ROGER WILLIAMS PARK (AT SEAL POND AND AT THE ORIENTAL GARDENS) UTILIZING THE PRESENT ABUTMENT, JONES AND MURPHY, CONSULTING ENGINEERS, WERE ENGAGED TO DESIGN AND DRAW SPECIFICATIONS FOR NEW SUPER-STRUCTURES AND A CONTRACT WAS AWARDED TO THE METRO CONSTRUCTION COMPANY AND ENGINEERS OF WARWICK, R.I. AUGUST 26, 1957 TO CONSTRUCT THE TWO BRIDGES FOR \$51,123.00 OUR WORK ON THESE PROJECTS CONSISTED OF CONFERENCES, RESEARCH ON OLD ABUTMENTS, APPROVAL OF PRELIMINARY PLANS, IN THE PREPARATION OF THE PLANS AND SPECIFICATIONS. FINAL APPROVAL BY OTHERS AND CONSTRUCTION WORK NOT STARTED TO DATE.

MUCH RESEARCH WORK WAS MADE IN CONNECTION WITH THE PROPOSED IMPROVEMENTS TO THE SEWAGE TREATMENT PLANT, WHICH IS NOW UNDER CONSTRUCTION. METCALF & EDDY, ENGINEERS, PREPARED THE PLANS AND SPECIFICATIONS AND ARE SUPERVISING THE CONTRACT WORK. THE CONSTRUCTION WORK IS BEING PERFORMED BY THE BAYLOR CONSTRUCTION CORP. OF NEW YORK CITY UNDER CONTRACTS FOR DIVISION I, DATED MAY 23, 1956, IN THE AMOUNT OF \$3,135,000.00 AND DIVISION II, DATED DECEMBER 20, 1956, IN THE AMOUNT OF \$509,440.00. WORK ON THE PROJECT IS APPROXIMATELY 61% COMPLETED.

MANY CONFERENCES WERE HELD WITH ENGINEERS, MAKING SPECIAL STUDIES FOR FLOOD CONTROLS, IN CONNECTION WITH THE PROPOSED FOX POINT DAM, FROM THE FOLLOWING COMPANIES:

UNITED STATES COAST AND GEODETIC SURVEY  
 UNITED STATES ARMY ENGINEERS, BOSTON, MASS. INCLUDING THE REAL ESTATE DIVISION.  
 ENGINEERS, DELEUW, CATHER & BRILL, NEW YORK, N.Y.  
 ENGINEERS, DELEUW AND CATHER, BOSTON, MASS.  
 ENGINEERS, CHARLES A. MAGUIRE & ASSOCIATES, PROVIDENCE, R. I.  
 GEOLOGIST AND ENGINEER, FRANK E. FAHLQUIST, PROVIDENCE, R. I.  
 ENGINEERS, C.W. RIVA COMPANY, BOSTON, MASS.

CONFERENCES WERE HELD AND PLANS APPROVED FOR HIGHWAY AND SEWER CHANGES WITH THE PROVIDENCE REDEVELOPMENT AGENCY IN CONNECTION WITH THE WEST RIVER PROJECT.

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.

RECOMMENDATIONS: AGAIN IT IS RESPECTFULLY SUGGESTED THAT THIS DEPARTMENT HAS ENOUGH CLERICAL AND STENOGRAPHIC WORK TO WARRANT THE ASSIGNMENT OF A FULL TIME STENOGRAPHER TO THIS OFFICE.

RESPECTFULLY SUBMITTED, \*

GILBERT SMALL  
CHIEF OF THE ENGINEERING OFFICE.

CONSTRUCTION AND MAINTENANCE DIVISION

MR. CHARLES F. MCELROY,  
DIRECTOR OF PUBLIC WORKS,  
CITY HALL, PROVIDENCE, R. I.

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING ACTIVITIES OF THE CONSTRUCTION AND MAINTENANCE DIVISION FOR THE YEAR ENDING SEPTEMBER 30, 1957. THIS DIVISION CONSISTS OF THE CONSTRUCTION AND MAINTENANCE ADMINISTRATION AND THE FOLLOWING SECTIONS: HIGHWAY, BRIDGE MAINTENANCE, DRAW BRIDGE OPERATION, SIDEWALK AND CURBING, FORESTRY, SNOW REMOVAL, SEWER CONSTRUCTION AND MAINTENANCE, PUBLIC BUILDINGS, STREET LIGHTING, CONSTRUCTION AND MAINTENANCE SHOPS AND STORES, AND SEWER CONSTRUCTION AND MAINTENANCE SHOPS AND STORES.

THE EXPENDITURES OF THE ADMINISTRATION SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$7099.20
ITEM 1 SERVICES OTHER THAN PERSONAL	826.00
ITEM 2 MATERIALS AND SUPPLIES	<u>11.27</u>
TOTAL	\$7936.47

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.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$621621.07
ITEM 1 SERVICES OTHER THAN PERSONAL	195544.05
ITEM 2 MATERIALS AND SUPPLIES	121520.28
ITEM 5 CAPITAL OUTLAY	<u>99.00</u>
TOTAL	\$938784.40

TOTAL REVENUE \$25864.32

STREETS REPAIRED AND SURFACED OR RESURFACED

STREET

LAUREL HILL AVENUE	POCASSET AVENUE TO PLAINFIELD STREET
WESTERLY AVENUE	POCASSET AVENUE TO LAUREL HILL AVENUE
LOWELL STREET	POCASSET AVENUE TO PLAINFIELD STREET
HARRISON STREET	CRANSTON STREET TO WESTMINSTER STREET
WOOD STREET	MESSER STREET TO SYCAMORE STREET
NARRAGANSETT AVENUE	RESERVOIR AVENUE TO MARGARET STREET
WILLOW STREET	MESSER STREET TO SYCAMORE STREET
HAMMOND STREET	CRANSTON STREET TO WESTMINSTER STREET
ROUNDS AVENUE	NARRAGANSETT AVENUE TO PONTIAC AVENUE
OAK STREET	MESSER STREET TO PARADE STREET
CONCORD STREET	FROST STREET TO MATILDA STREET
BEULAH STREET	WOODWARD ROAD TO VEAZIE STREET
PLEASANT VALLEY PARKWAY	CONVENT STREET TO ROSEBANK AVENUE
BARK STREET	MILL STREET TO STEVENS STREET
ROSEBANK AVENUE	CHALKSTONE AVENUE TO PLEASANT VALLEY PARKWAY
FAIRVIEW STREET	CARLETON STREET TO GRAY STREET
BELLEVUE AVENUE	BUCKLIN STREET TO ELMWOOD AVENUE
IONA STREET	BRADLEY STREET TO ADMIRAL STREET
KENWOOD STREET	MESSER STREET TO WAVERLY STREET
ONTARIO STREET	ELMWOOD AVENUE TO BROAD STREET
RYE STREET	PLAINFIELD STREET TO DORCHESTER STREET
RANKIN AVENUE	WHITFORD AVENUE TO WABUN STREET
SYCAMORE STREET	WESTMINSTER STREET TO CHAPIN AVENUE
THURBERS AVENUE	ALLENS AVENUE TO EDDY STREET
ROGER WILLIAMS AVENUE	ELMWOOD AVENUE TO NARRAGANSETT AVENUE
WINROOTH STREET	PARKWAY AVENUE TO PLEASANT VALLEY PARKWAY
GALLUP STREET	BROAD STREET TO RUGBY STREET
WILLARD AVENUE	PRAIRIE AVENUE TO BROAD STREET
CHAPMAN STREET	ALLENS AVENUE TO TENNESSEE AVENUE
IMERA STREET	CHALKSTONE AVENUE TO ALMIRA STREET
DEXTER STREET	POTTERS AVENUE TO CROMWELL STREET
STADDEN STREET	ROUNDS AVENUE TO RESERVOIR AVENUE
RIVER AVENUE	VALLEY STREET TO SMITH STREET; EATON STREET TO JOY STREET; BRADLEY STREET TO DOUGLAS AVENUE
HEALTH AVENUE	ACADEMY AVENUE TO HURON STREET
CONVENT STREET	PLEASANT VALLEY PARKWAY TO MAUDE STREET
HOLDEN STREET	PROMENADE STREET TO ORMS STREET
SINCLAIR AVENUE	ALEXANDER STREET TO PARKMAN STREET
ANNIE STREET	ADMIRAL STREET TO SANDRINGHAM AVENUE
BRADLEY STREET	RIVER AVENUE TO SHARON STREET

STREETS STARTED 1955-56; COMPLETED 1956-57

METROPOLITAN ROAD	WEBB STREET TO MT. PLEASANT AVENUE
ELGIN STREET	HOPE STREET TO IVY STREET
PETTIS STREET	NORTH MAIN STREET TO NICHOLS STREET
LEAH STREET	MANTON AVENUE TO FAIRVIEW STREET
GRAY STREET	FOWLER STREET TO CHALKSTONE AVENUE
SEAMANS STREET	DOUGLAS AVENUE TO ADMIRAL STREET

STREETS STARTED 1956-57; INCOMPLETE SEPTEMBER 30, 1957.

WILLIAMS STREET  
NAPLES AVENUE  
WOODWARD ROAD

SOUTH MAIN STREET TO BENEFIT STREET  
SHARON STREET TO ENFIELD AVENUE  
MINNESOTA STREET TO CITY LINE

PATCHING AND REPAIRING SUNDRY STREETS

PATCHING MATERIALS USED FOR TEMPORARY REPAIRS WERE PURCHASED FROM PRIVATE VENDORS.

APPROXIMATELY 340 MILES OF HIGHWAYS WERE MAINTAINED DURING THE FISCAL YEAR.

MATERIALS USED ON GENERAL PATCHING AND REPAIRING WERE AS FOLLOWS:

READY MIX CONCRETE	30 CU.YDS.	CRUSHED STONE 2"	200 TONS
COLD PATCH	653.98 TONS	KEROSENE	1000 GALLONS
A.C. MIX	1427.35 TONS	SAND	190 TONS

MATERIALS USED ON SURFACING AND RESURFACING WERE AS FOLLOWS:

A.C.MIX	17,994.55 TONS
CEMENT	200 BAGS
CRUSHED STONE 2"	1,644.80 TONS
KEROSENE	6,000 GALS.
SAND	1,300 TONS
GRANITE CURB 10' RADIUS	25 FEET
GRANITE CURB 7' RADIUS	15 FEET

MATERIALS USED IN REPAIRING SIDEWALKS DUE TO DAMAGE CAUSED BY REMOVING TREES WITH DUTCH ELM DISEASE WERE AS FOLLOWS:

CEMENT	1,350 BAGS
GRAVEL 1½"	447.96 TONS
SAND	600 TONS

DRIVEWAYS AND CURBING

DRIVEWAYS ALTERED	4	2 FT. CIRCULAR CORNERS SET	631
DRIVEWAYS CONSTRUCTED	375	S B CORNERS SET	119
DRIVEWAYS WIDENED	34	7 INCH CURB SET	464 LIN.FT.
DRIVEWAYS CLOSED	37	CURB SET AND RESET	18,772 LIN.FT.
DRIVEWAYS RELOCATED	11	8 FT. RADIUS	3 FT.

MISCELLANEOUS WORK

FOLLOWING IS A LIST OF DIVISION AND OTHER DEPARTMENTS OR AGENCIES FOR WHICH THE HIGHWAY SECTION HAS PERFORMED SERVICES DURING THE PAST YEAR, AND A LIST OF JOBS PERFORMED.

ENGINEERING DIVISION, BRIDGE MAINTENANCE, DRAW BRIDGES, HARBOR MASTER, SIDEWALK AND CURBING, FORESTRY, PUBLIC BUILDINGS, 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.

1. GRADING BASEBALL FIELDS AT THE FOLLOWING GROUNDS: CYPRESS STREET PLAYGROUND, FOX POINT PLAYGROUND, RICHARDSON STREET PLAYGROUND, VALLEY STREET PLAYGROUND, LAUREL HILL PLAYGROUND, DEXTER TRAINING GROUNDS, NEUTACONKANUT PARK, HOPKINS PARK, JOSEPH WILLIAMS

FIELD, MT. PLEASANT PARK, BUCKLIN STREET PLAYGROUND, VEAZIE STREET PLAYGROUND, ROGER WILLIAMS PARK, ASCHAM PARK, MT. PLEASANT HIGH SCHOOL FIELD, PROVIDENCE GAS COMPANY FIELD, DAVIS PARK, QUAID STREET PLAYGROUND, GARIBALDI PLAYGROUND, RIDGE STREET PLAYGROUND, MUNICIPAL GOLF COURSE AND HAWKINS STREET FIELD.

2. REPAIRING ROADS AND WALKS AT MUNICIPAL DOCK AND HAULING FILL FOR GANO STREET AND FIELDS POINT DUMPS.
3. GRADED DUMPS AT FIELDS POINT, MURRAY STREET AND GANO STREET, MOUNT PLEASANT AVENUE AND SMITH STREET.
4. HELPED TO REPAIR EQUIPMENT AT INCINERATOR AND SEWAGE DISPOSAL WORKS.
5. ERECTED AND REMOVED BANDSTANDS FOR COLUMBUS DAY, ARMISTICE DAY, MEMORIAL DAY AND LABOR DAY CELEBRATIONS; ALSO FOR VARIOUS VETERANS AND CIVIC ORGANIZATIONS FOR DEDICATIONS AND MEMORIALS.
6. DECORATED CITY OF PROVIDENCE FOR CHRISTMAS AND FOURTH OF JULY CELEBRATIONS.
7. SET UP AND REMOVED EQUIPMENT AT THE VARIOUS VOTING PLACES IN THE CITY FOR THE BOARD OF CANVASSERS.
8. REMOVED RUBBISH FROM CITY HALL.
9. REPAIRED 300 WATER AND DRAIN OPENINGS.
10. FILLED AND GRADED FOX POINT PLAYGROUND.
11. FILLED AND GRADED DANFORTH STREET PLAYGROUND.
12. WORKED ON THE REMOVAL OF LARGE SAND HILL ON LAND LEASED BY SUN OIL COMPANY AT FIELDS POINT.
13. MOVED AND PUT IN STORAGE THE PERSONAL BELONGINGS AND FURNITURE OF MANY FAMILIES EVICTED BY THE COURTS AND BEING HELPED BY THE WELFARE DEPARTMENT.
14. HAULED FILL AND GRADED APRIL COURT.
15. STRIPPED LOAM OFF AND GRADED FIELD IN PREPARATION FOR PLACING LOAM AND SEEDING OF PATRICK CUNNINGHAM MEMORIAL PLAYGROUND AT SMITH AND SHARON STREETS.
16. BUILT PIECE OF ROADWAY AND WIDENED CORNER NEAR SEAL POOL, ROGER WILLIAMS PARK.
17. REBUILT SIDEWALKS AT TRIGGS MEMORIAL PARK.
18. PAVED HARBORSIDE BOULEVARD AND REBUILT A LARGE SECTION OF SHIPYARD STREET IN THE HARBORSIDE INDUSTRIAL PARK.
19. CURBED SERVICE ROAD AT THE MUNICIPAL DOCK.
20. GRADED OLD COAL YARD FOR USE OF U.S. NAVY AT FIELDS POINT.
21. REPAIRED 200 SIDEWALKS DAMAGED BY FORESTRY WORKERS REMOVING DISEASED ELM TREES.

### LAWBS AND GRASS PLATS

COHAN BOULEVARD  
OAKLAND AVENUE  
KINSLEY AVENUE  
NORTH MAIN STREET  
FRANKLIN SQUARE  
ELMGROVE AVENUE  
CHAD BROWN STREET  
ATWELLS AVENUE

EIGHTH STREET AND LORIMER AVENUE  
SLATER AVENUE AND GOLDSMITH STREET  
SEWER DISPOSAL GROUNDS  
EDDY AND SHIP STREETS  
MARKET SQUARE  
CEMETERY STREET  
PITMAN STREET  
GOVERNOR ROBERTS EXPRESSWAY

### 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	\$36285.31
ITEM 1	SERVICES OTHER THAN PERSONAL	2775.77
ITEM 2	MATERIALS AND SUPPLIES	<u>6557.68</u>
	TOTAL	\$45618.76

REVENUE \$53.36

THERE ARE 57 CITY-OWNED BRIDGES, OF WHICH THE FOLLOWING 16 REQUIRED WORK THIS YEAR:

ACORN STREET BRIDGE	MERINO STREET BRIDGE (GLENBRIDGE)
HARRIS AVENUE OVERPASS	MERINO PARK FOOTBRIDGE
PLAINFIELD STREET OVERPASS	NASH LANE BRIDGE (PETTIS STREET)
MAGNOLIA STREET OVERPASS	PARK STREET BRIDGE
POINT STREET BRIDGE	RED BRIDGE
ROGER WILLIAMS AVENUE BRIDGE	POINT STREET VIADUCT
DELAINE STREET BRIDGE	CEMETERY BRIDGE
LELAND STREET BRIDGE	GENEVA BRIDGE (DOUGLAS AVENUE)

THE FOLLOWING WORK WAS ALSO DONE:

1. REPAIRED SIDEWALKS ON THE FOLLOWING BRIDGES: RED, POINT, GLENBRIDGE AVENUE, ROGER WILLIAMS AVENUE, PARK STREET AND LIVINGSTONE STREET.
2. REPAIRED ROADWAYS ON POINT STREET, DELAINE STREET, ACORN STREET, LIVINGSTONE STREET, AND PARK STREET BRIDGES.
3. REPAIRED LELAND STREET AND MERINO PARK FOOTBRIDGES.
4. CAULKED AND PAINTED DOAT FOR RED BRIDGE.
5. RELOCATED RAILROAD SWITCH AND REBUILT CROSSOVER IN TRACKS AT MUNICIPAL DOCK.
6. BUILT NEW FENCE AT END OF NEW YORK AVENUE
7. BUILT FENCES AND PAINTED FENCES AND DOORS AT SUPERINTENDENT'S HOUSE, RED BRIDGE.
8. REPAIRED FENCES AT FOX POINT PLAYGROUND.
9. BUILT FENCE ACROSS POND AT NEW DUMP, MANTON AVENUE.
10. REPAIRED STOVES AND DOORS TO OPERATING HOUSE OF RED AND POINT STREET BRIDGES.

11. RAISED WOOD BUILDING AT ROGER WILLIAMS PARK.
12. RAZED OLD BARN ON APRIL COURT.
13. REPAIRED HARBORMASTER'S BUILDING.
14. REPAIRED FIVE BREAKS IN WATER MAIN AT MUNICIPAL DOCK.
15. INSTALLED MOTORIZED VALVE AND PIPING IN HEATING SYSTEM, SEWER MAINTENANCE BUILDING.
16. REPAIRED ROOF, MASONRY WALLS AND PUT IN NEW CONCRETE FLOOR IN DOCK OFFICE BUILDING, FIELDS POINT. ALSO PAINTED AND WATERPROOFED BUILDING, INSIDE AND OUTSIDE.
17. REPAIRED FENCE ALONG RAILROAD ON WEST EXCHANGE STREET BETWEEN ATWELLS AVENUE AND ACORN STREET.
18. REBUILT REMAINING SECTION OF PARK STREET BRIDGE REPLACING THE LAST OLD STRINGERS.
19. REBUILT BOTH SIDEWALKS OF PARK STREET BRIDGE.
20. REPAIRED FOUR STEEL EXPANSION JOINTS ON ROBERTS EXPRESSWAY; ALSO THE EXPANSION JOINTS ON THE BRIDGES OVER THE EXPRESSWAY ON BOTH WESTMINSTER STREET AND BROADWAY.
21. REPAIRED THREE BREAKS IN THE GUARDRAIL OF THE EXPRESSWAY WHICH WERE DAMAGED BY AUTOMOBILES.
22. REPAIRED TWO BREAKS IN FENCE AT RED BRIDGE DAMAGED BY AUTOMOBILES.
23. REPAIRED FENCE AND SIDEWALK ON GENEVA BRIDGE DAMAGED BY AUTOMOBILE.
24. REBUILT AND PAINTED FENCE ON EAST RIVER STREET AT WATERMAN STREET
25. REPAIRED STEEL EXPANSION JOINTS ON GASPEE STREET BRIDGE.
26. REPAIRED TWO EXPANSION JOINTS ON POINT STREET VIADUCT.
27. REPAIRED FENCE ON CRAWFORD STREET BRIDGE.
28. PAINTED FENCE ON RETAINING WALL, FOX POINT BOULEVARD AT ANN STREET.
29. REPAIRED STEAM PIPING AT FORESTRY BUILDING, ROGER WILLIAMS PARK.
30. REPAIRED EXPANSION JOINT ON MANTON BRIDGE.
31. SALVAGED OVERHEAD PIPE, BUILT FENCE AND PLANKED OVER OPEN PITS IN OLD COAL YARD, FIELDS POINT.
32. COMPLETED PAINTING GUARD RAIL ON ROBERTS EXPRESSWAY.

#### SIDEWALK AND CURBING SECTION

THIS SECTION IS RESPONSIBLE FOR THE CONDITION OF ALL SIDEWALKS IN THE CITY. IT SERVES NOTICES ON PROPERTY OWNERS FOR THE REPAIR, CONSTRUCTION OR RECONSTRUCTION OF SIDEWALKS; ISSUES LICENSES AND PERMITS TO SIDEWALK CONTRACTORS FOR THE REPAIR, CONSTRUCTION OR RECONSTRUCTION OF SIDEWALKS; INSPECTS ALL SIDEWALK WORK, MAKES TEMPORARY MINOR REPAIRS TO SIDEWALKS, AND IS RESPONSIBLE FOR THE POSTING AND MAINTENANCE OF STREET SIGNS.



THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$15667.31
ITEM 1 SERVICES OTHER THAN PERSONAL	3503.38
ITEM 2 MATERIALS AND SUPPLIES	521.41
ITEM 5 CAPITAL OUTLAY	173.86
TOTAL	<u>\$19865.96</u>

REVENUE: SIDEWALK CONTRACTORS' LICENSES - \$730.00

THE OPERATIONS OF THE SECTION WERE AS FOLLOWS:

SIDEWALK CONTRACTORS' LICENSES ISSUED	73
NOTICES SERVED TO BUILD OR REPAIR	361
BUILT OR REPAIRED	226
PERMITS TO BUILD OR REPAIR	768
SEWER OPENINGS INSPECTED	163
DRIVEWAYS INSPECTED	232
MEMORIAL SQUARE SIGNS REPAIRED AND RELETTERED	107
MEMORIAL SQUARES APPROVED BY COUNCIL	3
STREETS ABANDONED BY COUNCIL AND SIGNS ERECTED	12
WASHOUT DEPRESSIONS INSPECTED	194
SIDEWALK CLAIMS INVESTIGATED	30
STREET SIGNS REPAINTED AND RELETTERED	210
POLE OPENINGS INSPECTED	157
TOTAL LINEAL FEET OF TAR CONCRETE SIDEWALKS BUILT	27905
TOTAL LINEAL FEET OF CEMENT CONCRETE SIDEWALKS BUILT	24269

THIS SECTION IS CONTINUALLY REPLACING ALL DEFECTIVE STREET SIGNS WITH NEW BLACK AND WHITE METAL SIGNS. 585 SIGNS WERE ORDERED AND ERECTED.

FORESTRY SECTION

THIS SECTION IS RESPONSIBLE FOR THE PLANTING, CARE, MAINTENANCE AND REMOVAL OF TREES AND SHRUBBERY WITHIN THE LIMITS OF THE HIGHWAY.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$60635.85
ITEM 1 SERVICES OTHER THAN PERSONAL	18409.40
ITEM 2 MATERIALS AND SUPPLIES	4606.29
ITEM 5 CAPITAL OUTLAY	482.65
TOTAL	<u>\$84134.19</u>

REVENUE: \$13654.80

IN CONJUNCTION WITH THE MASTER PLAN FOR SHADE TREES ADOPTED BY THE SPECIAL SHADE TREE DEVELOPMENT COMMITTEE OF THE CITY COUNCIL IN 1952, THIS SECTION MADE A SURVEY OF SHADE TREES ON THE PUBLIC STREETS OF THE CITY. THIS SURVEY COMPLETED IN OCTOBER 1952 SHOWED THE FOLLOWING:

TOTAL NUMBER OF SHADE TREES ON CITY STREETS	27234
MAPLE TREES (ALL TYPES)	20651
ELM TREES	4746
OAK TREES (ALL TYPES)	539
MISCELLANEOUS (ALL OTHER TREES)	1298

MOST OF THESE TREES ARE LARGE, WELL GROWN, AND REPRESENT TREES FROM 25 TO 50 FEET TALL.

TREES 25 TO 50 FEET TALL	85.1%	23176
TREES OVER 50 FEET TALL	4.2%	1144
TREES UNDER 25 FEET TALL	10.7%	2914

LESS THAN ONE PERCENT OF THE TREES ON OUR STREETS ARE DISEASED OR IN POOR CONDITION. THE DISEASED TREES ARE BEING REMOVED AND REPLACED BY TREES FROM THE NURSERY. THIS PROGRAM OF DEMOLITION AND REPLACEMENT, THE SO CALLED "DUTCH ELM PROGRAM", IS CLOSELY COORDINATED WITH THE OVERALL PROGRAM FOR THE CONTROL OF THIS DISEASE BEING PURSUED BY THE STATE OF RHODE ISLAND DEPARTMENT OF AGRICULTURE AND CONSERVATION.

328 DISEASED ELM TREES WERE CONDEMNED AND REMOVED THIS YEAR. 200 OF THESE TREES WERE ON CITY STREETS AND 128 ON PRIVATE PROPERTY. THE FORESTRY SECTION REMOVED 75 TREES AND THE REMAINDER WAS TAKEN DOWN UNDER PRIVATE CONTRACT.

THE FOLLOWING IS A RECAPITULATION OF THE DUTCH ELM TREES REMOVED:

FORESTRY SECTION	75
MEADER COMPANY	125
SEPE COMPANY	<u>128</u>
TOTAL	328

THE NURSERY AT ROGER WILLIAMS PARK CONSISTS OF PIN OAKS AND UPRIGHT MAPLES. THE CULTIVATION AND GROWTH OF THESE TREES ARE PROGRESSING WELL AND MORE LAND HAS BEEN CLEARED AND CULTIVATED FOR FUTURE PLANTING. THESE TREES 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 4122 TREES IN THE NURSERY.

FOLLOWING IS A RESUME OF THE ACTIVITIES PERFORMED ON THE TREES OF THE CITY:

NUMBER OF TREES PRUNED (REGULAR)	2440
NUMBER OF TREES REMOVED (REGULAR)	491
NUMBER OF TREES SPRAYED	5955
NUMBER OF TREES PLANTED	545

#### SNOW REMOVAL

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:

WARDS 1,2 AND 3 BY INCINERATOR TRUCKS  
WARDS 7 AND 8 BY RUBBISH TRUCKS  
WARDS 9 AND 10 BY SEWER MAINTENANCE TRUCKS  
WARDS 4,5,6,11,12 AND 13 BY HIGHWAY TRUCKS

THIS SECTION USED THE FOLLOWING MATERIALS DURING THE YEAR:

19180 TONS OF SAND  
1000 TONS OF SALT

#### EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$100572.51
ITEM 1 SERVICES OTHER THAN PERSONAL	58322.65
ITEM 2 MATERIALS AND SUPPLIES	<u>42076.99</u>
TOTAL	\$200972.15

## SEWER CONSTRUCTION AND MAINTENANCE SECTION

THIS SECTION IS RESPONSIBLE FOR THE INSPECTION, MAINTENANCE, CLEANING, REPAIRS, 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	\$257694.42
ITEM 1	SERVICES OTHER THAN PERSONAL	62871.09
ITEM 2	MATERIALS AND SUPPLIES	<u>15059.01</u>
	TOTAL	\$335624.52

REVENUE \$29636.81

### MAINTENANCE AND CONSTRUCTION WORK PERFORMED

MANHOLES REPAIRED	11
CHUTES REPAIRED AND REBUILT	26
CATCH BASINS REPAIRED	20
NEW GUTTER GRATES BUILT	1
BROKEN INLET STONES REPLACED	25
INLET STONES RESET	6
GUTTER GRATES REPAIRED	1
BROKEN MANHOLE COVERS REPLACED	8
NEW CHUTES BUILT	3
CONNECTIONS TO BASINS REBUILT	1
CATCH BASIN COVERS REPLACED	6
BASINS REMODELED	3
APRON STONES REPLACED	1
SEWER LINES REPAIRED	8

### OTHER CONSTRUCTION AND MAINTENANCE WORK PERFORMED

1. BUILT INVERTED SYPHON, USING CAST IRON PIPE, UNDER WOONASQUATUCKET RIVER INCLUDING TWO MANHOLES AND RELAYING VITRIFIED PIPE CONNECTION TO SYPHON FOR DRAIN FROM FIELD HOUSE FOR MERINO PARK RECREATION CENTER.
2. BUILT TWO NEW BASINS COMPLETE WITH CONNECTIONS ON SHERWOOD STREET.
3. PUT IN 6" STORM DRAIN FROM BASEMENT ENTRANCE TO SANITARY LINE IN REAR OF MUNICIPAL DOCK OFFICE.
4. REBUILT 222 FT. OF 12" SANITARY SEWER, 2 MANHOLES, AND 8 HOUSE CONNECTIONS IN SINCLAIR AVENUE DUE TO COLLAPSE OF LINE; ALSO PUT IN PLANK BOTTOM.
5. BUILT NEW LEBARON BASIN AND LAID 75' OF 12" LINE AT NELSON STREET PLAYGROUND FOR RECREATION DEPARTMENT.
6. BUILT NEW GUTTER BASIN AND LAID 75' OF 8" PIPE LINE ON DANFORTH STREET FOR RECREATION DEPARTMENT.
7. REBUILT 38' OF 12" SANITARY SEWER ON BLACKSTONE STREET.
8. RELAID 40' OF 15" MAIN LINE ON HOLDEN STREET.

9. BUILT 2 LEBARON GRATE BASINS, 3 REGULAR BASINS, RAISED 1 BASIN 1' AND LAID 198 FEET OF 8" STORM LINE AT LYING-IN-HOSPITAL AREA IN CONJUNCTION WITH NEW HIGHWAY DEPARTMENT PROJECT.
10. REPAID 12 FEET OF 8" BROKEN LINE AT HANOVER AND DEXTER STREETS
11. RELOCATED 301 FEET OF 12" STORM LINE ON SERVICE ROAD FROM MANHOLE No.1 NORTH OF NEW YORK AVENUE TO MANHOLE No.3 ON TERMINAL ROAD AND BUILT TWO NEW MANHOLES.
12. PERIODICALLY INSPECTED AND CLEANED CULVERTS AT THE FOLLOWING LOCATIONS:  
  
GARFIELD BROOK REAR OF ROGER WILLIAMS HOSPITAL, MASHAPUG POND AT RESERVOIR AVENUE AND YORK POND.
13. MADE PERIODIC CHECK AND TOOK MEASUREMENTS TO DETERMINE AMOUNT OF FLOW OF SEWAGE FROM NORTH PROVIDENCE SEWER SYSTEM.
14. COMPLETED REBUILDING OF BUILDING OVER SYBON ON WEST SIDE OF RIVER NEAR CRARY STREET.
15. REPAIRED OUTFALL AT END OF PITMAN STREET SEWER.
16. BUILT WEIRS IN SEWERS AHEAD OF SLOTS AT FOLLOWING LOCATIONS:  
  
RESERVOIR AVENUE, ROBERTS STREET, NIAGARA STREET AND CEMETERY STREET, AND SHERIDAN ST.

#### REPORT ON OIL AND GASOLINE INSPECTIONS

PERTAINING TO FLOOR DRAINS IN SERVICE STATIONS, FACTORIES AND OTHER PLACES OF BUSINESS.

INSPECTORS MADE 4247 VISITS AND DISCOVERED VERY FEW INFRACTIONS OF THE LAW. AFTER BEING NOTIFIED TO MAKE NECESSARY IMPROVEMENTS THE DEFICIENCIES WERE PROMPTLY CORRECTED.

#### BASINS; GUTTER GRATES AND SUMPS CLEANED; DEPOSITS REMOVED; LINES FLUSHED, AND COMPLAINTS RECEIVED

27840 BASINS INSPECTIONS	
8033 BASINS CLEANED	20992.74 CU.YD.
103 SUMPS CLEANED	198.50 CU.YDS.
688 GUTTER GRATES CLEANED	578.91 CU.YDS.
1133 COMPLAINTS RECEIVED	ALL CLEARED
LINES FLUSHED	39170 FEET

#### PRIVATE DRAIN INSPECTIONS

STREET OPENINGS FOR PRIVATE DRAIN CONNECTIONS	111
INSPECTIONS AND RECORD SKETCHES FOR PRIVATE DRAIN CONSTRUCTION AND ALTERATIONS	1817

#### WORK PERFORMED IN CONJUNCTION WITH HIGHWAY SECTION

BASINS BROUGHT TO GRADE	22
MANHOLES BROUGHT TO GRADE	494
INLET STONES SET TO NEW GRADE	25
CHUTES SET TO NEW GRADE	1

## PUBLIC BUILDINGS SECTION

THIS SECTION IS RESPONSIBLE FOR THE PREPARATION OF PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION, MAINTENANCE, REMODELING AND REPAIR OF ALL PUBLIC BUILDINGS OWNED BY THE CITY. A DRAFTING ROOM WHERE PLANS AND SPECIFICATIONS ARE PREPARED AND A SHOPS AND STORES ROOM ARE LOCATED IN THE WEST END OF THE MUNICIPAL GARAGE BUILDING ON ERNEST STREET.

THE BUILDING TRADES WORKERS EMPLOYED BY THE SECTION USE THE SHOP FOR FABRICATING SOME OF THE WOOD AND METAL FIXTURES USED IN THE RENOVATION AND REPAIR OF THE BUILDINGS. EMPLOYEES OF THE SECTION SUPERVISE THE VARIOUS CONSTRUCTION PROJECTS.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0	PERSONAL SERVICES	\$66864.29
ITEM 1	SERVICES OTHER THAN PERSONAL	9305.01
ITEM 2	MATERIALS AND SUPPLIES	792.41
ITEM 3	SPECIAL ITEMS	77.50
ITEM 5	CAPITAL OUTLAY	960.73
	TOTAL	<u>\$77999.94</u>

DURING THE YEAR THE FOLLOWING WORK WAS ACCOMPLISHED BY THIS SECTION:

1. SUPERVISED REPAIRS AND ADDITIONS TO ALL THE BUILDINGS OF THE SCHOOL DEPARTMENT, POLICE AND FIRE DEPARTMENTS, RECREATION DEPARTMENT, TRAFFIC ENGINEERS DEPARTMENT, WELFARE DEPARTMENT, BATH HOUSES, COMFORT STATIONS, AND CITY HALL.
2. SUPERVISED CONSTRUCTION OF THE NEW SOUTH PROVIDENCE ELEMENTARY SCHOOL.
3. PREPARED PLANS AND SPECIFICATIONS AND SUPERVISED THE DEMOLITION OF CITY OWNED BUILDINGS ON HENDRICK STREET, CALHOUN AVENUE, AND AT SITE OF THE NEW JOSLIN STREET SCHOOL.
4. SUPERVISED THE PREPARATION OF PLANS AND SPECIFICATIONS FOR HEATING PLANT REPAIRS AT CHARLES V. CHAPIN HOSPITAL.
5. SUPERVISED INSTALLATION OF AIR CONDITIONING SYSTEM AT HINDLE BUILDING AT CHAPIN HOSPITAL.
6. SUPERVISED THE PREPARATION OF PLANS AND SPECIFICATIONS FOR BRIDGES AT THE SEAL POOL AND AT THE ORIENTAL GARDENS OF ROGER WILLIAMS PARK.
7. PREPARED PLANS AND SUPERVISED CONSTRUCTION OF PLANT STORAGE BUILDING AT ROGER WILLIAMS PARK.
8. PREPARED PLANS AND SUPERVISED WORK ON SITE IMPROVEMENTS AT VARIOUS RECREATIONAL AREAS.
9. PREPARED PLANS AND SUPERVISED CONSTRUCTION OF A SHELTER HOUSE AT MOUNT PLEASANT RECREATIONAL FIELD.

## 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 PERFORM 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.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0	PERSONAL SERVICES	\$53259.41
ITEM 1	SERVICES OTHER THAN PERSONAL	1460.89
ITEM 2	MATERIALS AND SUPPLIES	810.75
TOTAL		\$55531.05

THE FOLLOWING TABLE SHOWS THE NUMBER AND TYPE OF CRAFT PASSING THROUGH BOTH POINT STREET AND RED BRIDGES BY MONTHS FOR THE FISCAL YEAR. IT ALSO SHOWS THE TOTALS OF VESSELS AND OPENINGS AND AVERAGE TIME FOR OPENINGS FOR THIS FISCAL YEAR AND THE FISCAL YEAR IMMEDIATELY PRECEDING.

SUMMARY OF OPERATIONS FOR YEAR ENDING SEPTEMBER 30, 1957. SUMMARY OF OPERATIONS FOR YEAR ENDING SEPTEMBER 30, 1956

	STEAMERS	TUGS	SMALL BOATS	BARGES	MISCELLANEOUS	TOTAL NO. VESSELS YEAR 1956-57	TOTAL OPENINGS YEAR 1956-57	AVERAGE TIME OPENING TO CLOSE OF GATES (MINUTES)	TOTAL NO. VESSELS YEAR 1955-56	TOTAL OPENINGS YEAR 1955-56	AVERAGE TIME OPENING TO CLOSE OF GATES (MINUTES)
POINT STREET BRIDGE											
OCTOBER						0	0		43	24	4.7
NOVEMBER		3		1		4	3	4.5	71	39	3.7
DECEMBER		4		2		6	4	2.87	5	4	3.3
JANUARY						0	0		3	2	5.1
FEBRUARY						0	0		7	5	3.5
MARCH						0	0		2	2	2.7
APRIL						0	0		0	0	
MAY		2		1		3	2	6.25	0	0	
JUNE		2		1		3	2	5.	9	6	4.1
JULY						0	0		0	0	
AUGUST						0	0		1	1	3.0
SEPTEMBER						0	0		0	0	
		11		5		16	11		141	83	
RED BRIDGE											
OCTOBER	33	38		8		79	64	4.26	102	79	4.0
NOVEMBER	26	66		32	1	125	80	4.1	111	82	4.2
DECEMBER	28	36		30		94	60	4.6	205	164	3.3
JANUARY	55	73		33	1	162	111	4.5	180	114	4.3
FEBRUARY	28	68		43		139	86	4.3	165	103	4.1
MARCH	30	68		32		130	83	4.28	151	94	4.3
APRIL	18	50		18	7	93	61	4.15	185	105	3.0
MAY	22	32		6	4	64	47	4.4	93	66	4.1
JUNE	15	34		14	10	73	49	4.3	66	49	3.1
JULY	35	26		6	2	69	53	4.5	95	69	3.1
AUGUST	42	47		12	4	105	79	3.74	92	67	4.1
SEPTEMBER	26	24	2	4		56	44	3.8	90	71	3.2
	358	562	2	238	29	1109	817		1536	1063	

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.

1930 TO DATE, YEARS END SEPTEMBER 30.

YEAR	POINT STREET BRIDGE	RED BRIDGE	YEAR	POINT STREET BRIDGE	RED BRIDGE
1907	25949	2632	1931-32	1197	1900
1908	21767	4852	1932-33	1327	2787
1909	17128	6914	1933-34	1990	3758
1910	17125	2927	1934-35	1387	2454
1911	20078	3298	1935-36	1468	2150
1912	21519	3021	1936-37	1368	2130
1913	15113	2734	1937-38	1136	1913
1914	13364	2491	1938-39	1676	2187
1915	14409	2755	1939-40	1299	3431
1916	11638	3368	1940-41	1066	2420
1917	9704	3273	1941-42	1205	1722
1918	6894	2680	1942-43	1263	1087
1919	7123	3476	1943-44	1487	2262
1920	6950	4451	1944-45	1233	1319
1921	6067	2001	1945-46	1078	1828
1922	5307	2958	1946-47	936	1640
1923	5476	5134	1947-48	1010	1541
1924	4858	2035	1948-49	666	2130
1925	4939	1942	1949-50	638	1609
1926	5198	2415	1950-51	371	1973
1927	4700	2934	1951-52	125	1628
1928	4679	3912	1952-53	202	1752
1929	4068	3623	1953-54	51	2787
1929-30	3210	2738	1954-55	883	1313
1930-31	3243	2742	1955-56	141	1536

BRIDGE	GREATEST NUMBER OF OPENINGS IN ANY ONE DAY		DAILY AVERAGE NUMBER OF OPENINGS FOR THE YEAR	
	1955-56	1956-57	1955-56	1956-57
RED	11	9	2.9	2.24
POINT STREET	11	2	0.22	0.03

#### STREET LIGHTING SECTION

THIS SECTION IS RESPONSIBLE FOR THE SUPERVISION OF THE ELECTRIC LIGHTING FACILITIES FOR THE STREETS, BRIDGES, SUBWAYS AND PARKS IN THE CITY. THE ACTUAL CONSTRUCTION AND MAINTENANCE WORK IS PERFORMED THROUGH CONTRACT BY THE NARRAGANSETT ELECTRIC COMPANY. THE APPROPRIATION FOR THE ACCOMPLISHMENT OF THIS WORK FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1957 WAS \$478,000.00.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$3784.50
ITEM 1 SERVICES OTHER THAN PERSONAL	478265.28
TOTAL	482049.78

C&M-13

STREET LIGHTING COSTS:INCANDESCENTS AND MERCURYS

<u>1956</u>	<u>TOTAL BILL</u>	<u>LESS OUTAGE</u>	<u>NET COST</u>
OCTOBER	\$39818.97	\$80.68	\$39738.29
NOVEMBER	39882.84	141.99	39740.85
DECEMBER	39790.76	101.38	39689.38
<u>1957</u>			
JANUARY	39854.51	126.74	39727.77
FEBRUARY	39866.41	75.51	39790.90
MARCH	39883.59	57.91	39825.68
APRIL	39961.43	47.85	39913.58
MAY	39923.16	35.65	39887.51
JUNE	39939.07	28.41	39960.66
JULY	39997.47	45.67	39951.80
AUGUST	40074.99	37.41	40037.58
SEPTEMBER	40097.49	96.21	40001.28
	\$479140.69	\$875.41	\$478265.28

STREET LIGHTING UNIT COSTS

UNDER THE PROVISIONS OF SECTION 17 OF THE EXISTING CONTRACT FOR STREET LIGHTS - THIS BEING THE SO-CALLED "FUEL CLAUSE", THE COST OF THE STREET LIGHTS FOR THE YEAR BEGINNING OCTOBER 1, 1956, DEPENDED UPON THE COST OF FUEL FOR THE YEAR ENDING JULY 31, 1957. THIS COST AVERAGED \$14.00, AND RESULTED IN AN INCREASE IN COST OVER THAT OF THE PREVIOUS YEAR. A TABULATION SHOWING THE UNIT PRICES FOR THE YEAR BEGINNING OCTOBER 1, 1957 IS AS FOLLOWS:

	ANNUAL INCREASE PER 10¢	INCREASE IN COST OF FUEL ABOVE \$8.00 BASE	NO. OF 10¢ ABOVE \$8.00 BASE FUEL PRICE	INCREASE OVER BASE PRICE	BASE PRICE	NEW PRICE
<u>INCANDESCENT 100 CP.</u>						
U.G. ALL NIGHT	.025	60	1.50	28.03	29.11	
U.G. 2 LT. CLUSTER, A.N.	.05	60	3.00	37.57	40.57	
U.G. 5 LT. CLUSTER, A.N.	.125	60	7.50	66.02	73.52	
U.G. SINGLE, ½ NIGHT	.012	60	.72	24.61	25.33	
U.G. 2 LT. ½ NIGHT	.024	60	1.44	30.72	32.16	
U.G. 3 LT. ½ NIGHT	.036	60	2.16	37.33	39.49	
U.G. 5 LT. ½ NIGHT	.06	60	3.60	48.89	52.49	
AERIAL SINGLE, A.N.	.025	60	1.50	15.00	16.50	
AERIAL SINGLE ½ NIGHT	.012	60	.72	9.90	10.62	
<u>MISCELLANEOUS</u>						
250 C.P. U.G.A.N.	.05	60	3.00	50.00	53.00	
250 C.P. AERIAL, A.N.	.05	60	3.00	30.00	33.00	
400 C.P. U.G. NOVALUX, A.N.	.075	60	4.50	72.50	77.00	
1000 C.P. AERIAL, A.N.	.18	60	10.80	65.00	75.80	
1000 C.P. U.G., A.N.	.18	60	10.80	85.00	95.80	
1000 C.P. U.G. ½ NIGHT	.096	60	5.76	68.37	74.13	



10000 LUMEN SODIUM, U.G.	.048	60	2.88	85.00	87.88
10000 LUMEN SODIUM, O.H.	.048	60	2.88	65.00	67.88
600 C.P. INCANDESCENT, O.H.	.072	60	4.32	50.00	54.32
600 C.P. INCANDESCENT, U.G.	.072	60	4.32	70.00	74.32
15000 LUMEN MERCURY, O.H.	.18	60	10.80	65.00	75.80
15000 LUMEN MERCURY, U.G.	.18	60	10.80	85.00	95.80
15000 LUMEN MERCURY, U.G. 2 LT.	.36	60	21.60	152.00	173.60
400 C.P. AERIAL, A.N.	.075	60	4.50	40.00	44.50
15000 LUMEN MERCURY UNDERPASSES 24 HRS.	.394	60	23.64	107.35	131.00

NUMBER AND KIND OF STREET LIGHTING UNITS IN SERVICE IN PROVIDENCE SINCE 1928

YEAR	BRIDGE STRUCTURE 24 HR. BURNING	<u>ARDS</u>		<u>INCANDESCENTS</u>					<u>SODIUM</u>		<u>MERCURY</u>	
		6.6A LUM.	5.5A	100 C.P.	250 CP.	400 CP.	750W	300W	1000CP.	600CP.	1000CP	400W
		1520	8605									
1928		1739	8605		6	8	10	10	48			
1929		1749	8720		9	14	10	15	48			
1930		1779	8704		8	14	10	15	48			
1931		1771	8748		8	14	10	15	78			
1932		1758	8699		8	16	10	15	118			
1933		1758	8702		8	16	10	15	118			
1934		1746	8709		8	16	10	15	130			
1935		1746	8727		8	16	10	14	130			
1936		1697	8691		8	16	9	14	214			
1937		1697	8703		8	16	9	14	214			
1938		1628	8724		8	16	9	14	320			
1939		1626	8735		8	16	9	14	328			
1940		1619	8746		8	16	9	14	331	29	25	
1941		1513	8727		8	16	9	14	508	29	25	
1942		1513	8731		8	16	9	14	598	29	25	
1943		1513	8731		8	16	9	14	540	29	25	
1944		1499	8741		8	16	9	14	540	29	25	
1945		1485	8756		8	16	9	14	540	29	25	
1946		1364	8513		8	104	9	14	554	29	26	19
1947		1264	8709		8	69	9	14	568	29	26	179
1948		1199	8687		8	16	9	14	568	29	26	256
1949		750	8624		115	16	9	14	586	29	25	1049
1950		514	8701		116	14	9	14	550	29	25	1556
1951		298	8721		162	14	9	14	560	29	25	1855
1952		124	8668		226	9	0	0	565	29	25	2360
1953		36	8671		251	1	0	0	504	29	25	2802
1954	44	0	8308		314	0	0	0	506	29	25	3293
1955	44	0	8277		414	0	0	0	449	29	25	3428
1956	44	0	8228		447	0	0	0	435	29	25	3476
1957	44	0	8248		489	0	0	0	391	29	25	3501

# SCHEDULES OF STREET LIGHTING DATA

	<u>O.H.A.N.</u> <u>600 CP.</u>	<u>U.G.A.N.</u>	<u>1000 CP.</u> <u>U.G.H.N.</u>	<u>O.H.A.N.</u>
OCTOBER 1, 1956	29	302	3	50
SEPTEMBER 30, 1957	29	360	3	28
CHANGES	0	22	0	22

	<u>U.G. INCANDESCENT CLUSTERS</u>				<u>MER.</u>	<u>MERC.</u>	<u>MERC.</u>	<u>SODIUM LIGHTS</u>	
	<u>2 LT.CL.</u>	<u>3 LT. CL.</u>	<u>5 LT. C.</u>	<u>2 LT.</u>	<u>2 LT.</u>	<u>VAP.</u>	<u>A.N.</u>	<u>UG AN</u>	<u>OH AN</u>
	<u>H.N.</u>	<u>H.N.</u>	<u>A.N.</u>	<u>H.N.</u>	<u>AN UG</u>	<u>OH</u>	<u>U.G.</u>		
OCTOBER 1, 1956	2	4	1	1	8	2055	1369	22	3
SEPTEMBER 30, 1957	2	4	1	1	7	2112	1389	22	3
CHANGES	0	0	0	0	1	57	20	0	0

	<u>100 CP.</u>	<u>U.G.</u>	<u>100 CP.</u>	<u>O.H.</u>	<u>MERC. VAP.</u>	<u>A.N.O.H.U.G.</u>
	<u>A.N.U.G.</u>	<u>H.N.</u>	<u>A.N.</u>	<u>H.N.</u>	<u>24 HR. U.G.</u>	<u>250 CP.</u>
OCTOBER 1, 1956	155	232	7818-B	9	44	447 9
SEPTEMBER 30, 1957	156	232	7843	9	44	479 10
CHANGES	1	0	25	0	0	32 1

	SEPT.30,1956	SEPT.30,1957	CHANGES
TOTAL NUMBER EQUIVALENT SINGLE INCANDESCENT LIGHTS	9142	9217	75
TOTAL NUMBER MERCURY LIGHTS 15,000 LUMEN	3476	3545	69
TOTAL NUMBER EQUIVALENT SINGLE SODIUM LIGHTS	25	25	0

FROM MAY 1 TO OCTOBER 14, INCLUSIVE, THE H.N. LIGHTS BURN ONE EXTRA HOUR UNTIL 1 A.M.  
THE SUBWAY LIGHTS (GASPEE, FRANCIS, PROMENADE) ARE ALL ON A 24-HOUR BURNING SCHEDULE.

THE TWO 2-LIGHT CLUSTERS AT THE THAYER STREET ENTRANCE TO THE TUNNEL HAVE BEEN REPLACED BY  
1-1500 LUMEN MERCURY OF WHICH HALF THE COST IS CHARGED TO THE UNITED TRANSIT COMPANY.

B - INCLUDES 8 LIGHTS ON MONTGOMERY AVENUE FOR WHICH CRANSTON PAYS \$7.00 PER LIGHT PER ANNUM.

## NARRAGANSETT ELECTRIC COMPANY FUEL COSTS

THE RATES WHICH ARE AFFECTED BY FUEL COSTS ARE:

GENERAL SERVICE RATE D.	\$5.00
POWER RATE F.	5.10
POWER RATE G.	5.50
LIMITED SERVICE RATE H-3 ABOVE	5.00

EACH OF THESE RATES IS AFFECTED ONLY WHEN THE COST OF FUEL EQUALS OR EXCEEDS THE  
ABOVE AMOUNTS PER GROSS TON, A CONDITION WHICH EXISTED THROUGHOUT THE YEAR WITH THE  
PRESENT BASIC COST.

THE COST OF FUEL BY MONTH WAS AS FOLLOWS:

1956	OCTOBER	\$13.06	1957	APRIL	\$14.32
	NOVEMBER	13.47		MAY	14.45
	DECEMBER	13.77		JUNE	14.53
1957	JANUARY	14.04		JULY	14.63
	FEBRUARY	14.20		AUGUST	14.66
	MARCH	14.40		SEPTEMBER	14.64

THE ABOVE FIGURES SHOW THAT THE AVERAGE PRICE PER TON FOR THE YEAR WAS \$14,192.

THE NUMBER OF LAMPS AND GLOBES REPORTED AS BROKEN ON STREET LIGHTS DURING THE YEARS 1955-1956-1957, FOLLOWS:

	<u>INCANDESCENT AND MERCURY GLOBES</u>	<u>LIGHTS BROKEN</u>	<u>MERCURY GLOBES</u>
1955-56	37	4107	49
1956-57	17	3782	63

#### RECAPITULATION

GRAND TOTAL	\$478265.28
TOTAL MONTHLY AVERAGE COST 1955-1956	38634.68
TOTAL MONTHLY AVERAGE COST 1956-1957	39855.44

INCREASE FROM PREVIOUS YEAR OF THE TOTAL COSTS OF STREET LIGHTING	14649.05
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TOTAL SAVINGS IN OUTAGES	875.41
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<u>NEW STREET LIGHT PETITIONS RECEIVED</u>	<u>GRANTED</u>	<u>REJECTED</u>
55	53	2

UTILITY POLE PETITIONS RECEIVED AND FIELD CHECKED - 453

#### SUMMARY

THIRTY-THREE 15,000 LUMEN MERCURY VAPOR LIGHTS HAVE BEEN PUT INTO SERVICE IN PUBLIC PLACES DURING THE FISCAL YEAR. THERE ARE NOW 3501 SUCH LIGHTS IN PUBLIC USE IN THE CITY.

THE NUMBER OF 2500 LUMEN INCANDESCENT LIGHTS HAVE BEEN INCREASED BY 33, BRINGING THE TOTAL NUMBER OF THIS TYPE OF LIGHT NOW IN USE TO 439.

THERE ARE 391 - 10,000 LUMEN LIGHTS IN SERVICE IN THE CITY, WHICH WILL BE REPLACED WITH 15,000 LUMEN MERCURY VAPOR LIGHTS IN THE NEAR FUTURE.

THERE ARE 8248 - 1000 LUMEN LIGHTS IN SERVICE (FAMILIAR NEIGHBORHOOD TYPE). THIS TYPE SHOWS A DECREASE OF 27 LIGHTS OVER THE TOTAL FOR THE PREVIOUS YEAR. THERE HAVE BEEN 61 LIGHTS OF THIS TYPE INSTALLED DURING THE PAST FISCAL YEAR ON STREET LIGHT PETITIONS.

#### SHOPS AND STORES

THE CONSTRUCTION AND MAINTENANCE SHOPS AND STORES SERVICE COMPLETELY ALL SECTIONS OF THE PUBLIC WORKS DEPARTMENT, EXCEPT THE SANITATION DIVISION AND THE SEWER CONSTRUCTION AND MAINTENANCE SECTION.

THE SEWER CONSTRUCTION AND MAINTENANCE SHOPS AND STORES SERVICE ONLY THE SEWER CONSTRUCTION AND MAINTENANCE SECTION AND THE PASSENGER CAR RENTED TO THE CONSTRUCTION AND MAINTENANCE ADMINISTRATION.

ALL 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 FUNDS WHICH TOGETHER WITH THE MONEY RECEIVED FOR STOCK ORDERS AND JOB ORDERS, COMPRISE THE MONEY USED FOR DEFRAYING THE OPERATING EXPENSES AND PURCHASE EQUIPMENT FOR THESE SECTIONS.

A DETAILED RESUME OF THE ACTIVITIES OF EACH SECTION 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 STOCKS 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 DIVISION	SNOW REMOVAL SECTION
ENGINEERING DIVISION	FORESTRY SECTION
BUSINESS MANAGEMENT DIVISION	SIDEWALKS AND CURBING SECTION
HIGHWAY SECTION	PUBLIC BUILDINGS SECTION
DRAW BRIDGE OPERATION SECTION	STREET CLEANING SECTION.

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 FOLLOWS:

2 TANK TRUCKS	1 HOIST TRUCK 3600#
2 COMPRESSORS, TRUCK MOUNTED	2 BULLDOZERS TD 18
33 DUMP TRUCKS 4 CU.YDS.	1 SKY WORKER
6 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	5 TOAD GRADERS
1 STAKE BODY TRUCK 1 TON	2 MIST SPRAYERS
1 PANEL TRUCK 1/2 TON	2 CONCRETE MIXERS 3 S
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	19 TAIL GATE SPREADERS
7 AIR COMPRESSORS PORTABLE	80 SNOW PLOWS
1 CONCRETE MIXER 10 S	1 TRAILER 25 TON, FLATBED W/TRACTOR
2 FRONT END LOADERS	2 TRACTORS
1 GRADALL	3 ROLLERS 10-14 TON TANDEM
2 HOIST TRUCKS 1500#	1 ROLLER 10-12 TON TANDEM
1 ROLLER 8-12 TON TANDEM	1 PAVER, ASPHALT
1 ROLLER 10-12 TON 3 WHEEL	3 TOOL HEATERS
3 ROLLERS 3-5 TON TANDEM	2 LEAF COLLECTORS
1 ROLLER 3-5 TON PORTABLE	5 GENERATORS, PORTABLE
	3 WALTERS SNOW FIGHTERS

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:

3 TRUCKS 3/4 TON PICKUP	3 PASSENGER CARS
2 AIR COMPRESSORS, TRUCK MTD.	1 PAVER, ASPHALT
1 TRAILER, FLATBED 25 TON W/TRACTOR	2 MOWERS, LAWN, POWER
2 SWEEPERS, STREET, MECHANICAL	1 CLEANER, STEAM
1 LOADER, FRONT END	1 WALTERS SNOW FIGHTER

IN ADDITION TO THE RENTAL EQUIPMENT IN THE POOL THIS SECTION ALSO SERVICES, REPAIRS, AND MAINTAINS THE FOLLOWING EQUIPMENT FOR THE SECTIONS SHOWN:

1 CLARK HOIST	AUTOMOTIVE REPAIR SHOP
1 AIR COMPRESSOR	PAINT SHOP
1 INSLEY CRANE	SEWAGE DISPOSAL WORKS
1 EMERGENCY MOTOR AND GENERATOR	POINT STREET BRIDGE
1 BULLDOZER TD 9	CITY DUMP
2 BUCKETS, CLAMSHALL	INCINERATOR
4 BUCKETS, ORANGE PEEL	SEWER MAINTENANCE SECTION
1 ROLLER 5-TON TANDEM	RECREATION DEPARTMENT

THE CARPENTER SHOP, BLACKSMITH SHOP, PAINT SHOP AND MACHINE SHOP FACILITIES ARE USED TO PERFORM TASKS REQUIRED BY ALL THE SECTIONS LISTED ABOVE AS WELL AS OTHER CITY AGENCIES.

THE AGENCY PAYS FOR THE ACTUAL COST OF THE LABOR AND MATERIALS USED PLUS A 10% MARK UP TO TAKE CARE OF THE HANDLING CHARGES

THE STOCK ROOM CARRIES MUCH OF THE MATERIALS, PARTS AND SUPPLIES REQUIRED BY THE SECTIONS OF THE DIVISION. AN INVENTORY OF \$76,745.31 IN MATERIALS, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1957.

#### 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 FOLLOWS:

4 EDUCTORS	4 AIR COMPRESSORS
3 DERRICK TRUCKS	2 CENTRIFUGAL PUMPS (6 IN)
3 PASSENGER CARS	1 CENTRIFUGAL PUMP (4 IN)
4 DUMP TRUCKS	2 CENTRIFUGAL PUMPS (3 IN)
2 CARGO TRUCKS (2 TON)	1 DIAPHRAGM PUMP (4 IN)
1 CARGO TRUCK (1 TON)	1 CENTRIFUGAL PUMP (1½ IN)
1 PICKUP TRUCK	1 SEWER ROD POWER DRIVER
1 SET OF SEWER WENCHES	

THIS EQUIPMENT IS SERVICED AND REPAIRED IN THE SHOPS BY PERSONNEL OF THIS SECTION.

DURING THE YEAR THE FOLLOWING EQUIPMENT WAS PURCHASED:

1 STEAM CLEANER	1 DIAPHRAGM PUMP (4 IN)
1 PICKUP TRUCK 3/4 TON	1 DUMP TRUCK 1½ TON

IN ADDITION TO THE RENTAL EQUIPMENT IN THE POOL THIS SECTION THROUGH ITS CARPENTER AND BLACKSMITH SHOPS, REPAIRS AND MAINTAINS ALL TOOLS, BUILDINGS, SEWER GATES, SLOTS, 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 STOCK ROOM CARRIES MUCH OF THE MATERIALS, PARTS, AND SUPPLIES REQUIRED BY THE SEWER MAINTENANCE SECTION.

AN INVENTORY OF \$17,064.09 IN MATERIALS AND SUPPLIES, AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1957.

#### RECOMMENDATIONS

1. NEW FENCES SHOULD BE BUILT ON THE BRIDGE AT MARKET SQUARE BETWEEN WESTMINSTER STREET AND EXCHANGE PLACE.
2. SIDEWALKS ON THE FOLLOWING BRIDGES, ACORN STREET, DELAINE STREET, GLENBRIDGE AVENUE, AND WEST RIVER STREET, SHOULD BE COMPLETELY REBUILT.
3. 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.
4. THE UNDERSIDE OF THE BRIDGE IN POST OFFICE SQUARE, MARKET SQUARE AND CRAWFORD STREET AREA SHOULD BE THOROUGHLY SCRAPED AND PAINTED.
5. MANY OF THE STEEL CROSS BRACES ON THE UNDERSIDE OF THE SHORE SPAN OF RED BRIDGE SHOULD BE REPLACED AND THE UNDERSIDE OF THE WHOLE BRIDGE SCRAPED AND PAINTED.
6. TWO NEW STREET SWEEPERS SHOULD BE PURCHASED TO REPLACE THE 1947 AND 1948 ELGIN SWEEPERS. THESE SWEEPERS ARE NOW IN NEED OF MAJOR REPAIRS AND THE MAINTENANCE COST IS EXHORBITANT.
7. RECOMMEND THAT ONE OF THE FIVE ROAD GRADERS BE REPLACED. THREE OF THESE REQUIRE EXTENSIVE REPAIRS AND THE STEPPED UP REPLACEMENT PLAN SHOULD CONTINUE SO AS TO CUT DOWN THE COST OF OPERATION. ONE GRADER WAS REPLACED DURING THE PAST YEAR.
8. THE TOOL WAGONS USED BY THE CONSTRUCTION GANGS OF THE HIGHWAY SECTION ARE IN POOR CONDITION; THE WHEELS ARE BROKEN AND BEING OF AN OBSOLETE TYPE IT IS IMPOSSIBLE TO REPLACE THEM. FIVE STEEL TRAILER TYPE TOOL WAGONS MOUNTED ON PNEUMATIC TIRED WHEELS SHOULD BE PURCHASED TO REPLACE THE OLD WAGONS. ONE SUCH WAGON HAS BEEN PURCHASED AND IS JUST BEING PUT INTO SERVICE.
9. THE HIGHWAY SECTION IS USING FIVE 10 TO 12 TON TANDEM ROAD ROLLERS. ONE OF THESE ROLLERS IS IN POOR CONDITION AND SHOULD BE REPLACED.
10. THE OLD ROCK CRUSHER IN THE HIGHWAY YARD, WHICH IS USED TO MIX AND STORE SAND AND SALT USED FOR THE CONTROL OF ICE, IS IN A VERY POOR CONDITION STRUCTURALLY AND SHOULD BE REPLACED WITH A NEW 600 TON UNIT.
11. DELAINE STREET BRIDGE: THE ASPHALT SHOULD BE REMOVED AND THE 4" PLANK FLOOR AND THE STRINGERS REPLACED AND A NEW ASPHALT SURFACE LAID ON THESE NEW PLANKS.
12. POINT STREET BRIDGE: THE ASPHALT SURFACE SHOULD BE REMOVED AND THE ROTTED PLANK AND SPLIT NAILING PIECES REPLACED AND A NEW ASPHALT SURFACE LAID ON THE REPAIRED PLANK ROADWAY.
13. THE 1951 LORAIN SHOVEL IS IN NEED OF CONSTANT REPAIRS AND SHOULD BE REPLACED WITH A HEAVY 3/4 YD. SHOVEL NOT LESS THAN 45,000# IN WEIGHT.

14. AN ADDITIONAL LEAF COLLECTOR SHOULD BE PURCHASED TO EXPEDITE THE COLLECTION OF LEAVES FROM THE CITY STREETS EACH FALL.
15. THE 1949 DERRICK TRUCK USED BY THE SEWER MAINTENANCE SECTION FOR CLEANING CATCH BASINS SHOULD BE REPLACED.
16. THE 1948 CANOPY EXPRESS TRUCK USED BY THE EMERGENCY GANG OF THE SEWER MAINTENANCE SECTION SHOULD BE REPLACED.
17. THE 1936 SCHRAMM AIR COMPRESSOR OF THE SEWER MAINTENANCE SECTION SHOULD BE REPLACED WITH A ROTARY TYPE COMPRESSOR WITH A FREE AIR DELIVERY OF 125 CFM.
18. THE 1938 JAGER 6" CENTRIFUGAL PUMP IS IN VERY POOR CONDITION. IT SHOULD BE REPLACED WITH A 6" DIAPHRAGM PUMP WHICH COULD BE USED FOR CLEANING THE INDIA STREET SUMP. (THIS SUMP HAS TO BE CLEANED AT LEAST ONCE A MONTH.)
19. THE 3" CMC 15M AND THE 4" JAGER 30M PUMP SHOULD BE REPLACED WITH PUMPS OF THE SAME SIZE.
20. THE FACILITIES USED BY THE HIGHWAY, BRIDGE MAINTENANCE, STREET CLEANING, AND CONSTRUCTION SHOPS AND STORES ARE IN THE PATH OF THE PROPOSED NORTH-SOUTH FREEWAY AND WILL HAVE TO BE REPLACED.
21. THE 1949 2 TON DUMP TRUCK AND THE 1948  $\frac{1}{2}$  TON PANEL TRUCKS USED BY THE PUBLIC BUILDINGS SECTION SHOULD BE REPLACED.

RESPECTFULLY SUBMITTED

ROBERT B. STRONG, CHIEF  
CONSTRUCTION AND MAINTENANCE DIVISION.

## SANITATION DIVISION

MR. CHARLES F. MCELROY,  
DIRECTOR OF PUBLIC WORKS,  
CITY HALL, PROVIDENCE, R. I.

DEAR SIR:

I RESPECTFULLY SUBMIT THE ANNUAL REPORT OF THE SANITATION DIVISION OF THE PUBLIC WORKS DEPARTMENT FOR THE FISCAL YEAR 1956-1957. THIS DIVISION IS DIVIDED INTO THE FOLLOWING SECTIONS:

SANITATION ADMINISTRATION	SEWAGE DISPOSAL
STREET CLEANING	REFUSE COLLECTION AND DISPOSAL
SEWAGE PUMPING STATION	GARBAGE COLLECTION AND DISPOSAL
SANITATION SHOP AND STORES	

### SANITATION ADMINISTRATION

THE OFFICE PERSONNALL PERFORMS ALL THE NECESSARY CLERICAL WORK PERTAINING TO THE REFUSE COLLECTION AND DISPOSAL SECTION, THE SEWAGE PUMPING STATIONS, THE SANITATION SHOP AND STORES AND A PORTION OF THE WORK PERTAINING TO THE SEWAGE DISPOSAL WORKS. 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	\$10074.60
ITEM 1 SERVICES OTHER THAN PERSONAL	769.69
ITEM 2 MATERIALS AND SUPPLIES	22.55
TOTAL	\$10866.84

### STREET CLEANING SECTION

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 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 AVENUE 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 AVENUE TO WEBSTER AVENUE  
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 LANGDON STREET 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

THE FOLLOWING SQUARES ARE ALSO CLEANED DAILY:

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 OF DEBRIS.

ALL THE MAIN ARTERIES IN THE CITY WERE CLEANED TWICE A WEEK. ALL THE STREETS IN THE OUTLYING SECTIONS OF THE CITY WERE INSPECTED AND CLEANED BY THE DAY AND NIGHT CLEANING CREWS SUPPLEMENTED BY THE MECHANICAL SWEEPERS. ADDITIONAL HIGHWAY DEPARTMENT CREWS WERE ASSIGNED TO ASSIST IN CLEANING THE OUTLYING SECTIONS DURING THE SPRING AND FALL MONTHS.

172 TRASH CANS WERE EMPTIED FOUR TIMES DAILY. (24 NEW CANS WERE PURCHASED TO REPLACE BROKEN CANS.)

NINE MECHANICAL SWEEPERS WERE IN OPERATION, BOTH DAY AND NIGHT, DURING THE YEAR EXCEPT DURING THE WINTER MONTHS. (2 NEW SWEEPERS WERE PURCHASED DURING THE FISCAL YEAR.)

THREE 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.

THE FRONT END LOADER WAS USED TO PICK UP THE SWEEPER DUMPS AND LOAD THEM IN TRUCKS FOR DISPOSAL.

AN EMERGENCY CREW WAS ON DUTY 24 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	194½ MILES
MACHINE BROOM SWEEPING	22576 MILES
BEAT PATROL	10417 MILES
HAND BROOM DISPOSAL	6456 TONS
MACHINE BROOM DISPOSAL	16952 TONS
STREET CONTAINER DISPOSAL	8125 TONS

THE EXPENDITURES FOR THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$285386.97
ITEM 1 SERVICES OTHER THAN PERSONAL	78375.69
ITEM 2 MATERIALS AND SUPPLIES	2699.34
S-2 TOTAL	<u>\$366462.00</u>

# 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 HARBORSIDE PARK, FIELDS POINT.

THE MAIN PUMPING STATION ON ERNEST STREET HAS A CAPACITY OF TWO HUNDRED MILLION GALLONS PER DAY. ELECTRIC POWER TO OPERATE THIS STATION IS SUPPLIED FROM THE GARBAGE INCINERATOR POWER PLANT. THE TWO SMALLER STATIONS OPERATE AUTOMATICALLY AND THE POWER TO OPERATE THEM IS SUPPLIED BY THE LOCAL POWER COMPANY. ALL STATIONS ARE IN OPERATION TWENTYFOUR HOURS PER DAY.

EXPENDITURES FOR THIS SECTION FOR THE FISCAL YEAR WERE AS FOLLOWS:

ITEM 0	PERSONAL SERVICES	\$49233.44
ITEM 1	SERVICES OTHER THAN PERSONAL	978.31
ITEM 2	MATERIALS AND SUPPLIES	<u>3686.75</u>
	TOTAL	\$53898.50

TOTAL MONTHLY FLOW, IN MILLION GALLONS, FOR EACH STATION, FOLLOWS:

	ERNEST STREET STATION No.1	WASHINGTON PARK STATION No.2	RESERVOIR AVENUE STATION No.3	TOTAL
<u>1956</u>				
OCTOBER	1148.0	12.0	3.0	1163.0
NOVEMBER	1056.0	10.0	3.0	1069.0
DECEMBER	1375.0	12.0	2.0	1389.0
<u>1957</u>				
JANUARY	1368.0	11.0	2.0	1381.0
FEBRUARY	1218.0	11.0	2.0	1231.0
MARCH	1385.0	10.0	2.0	1397.0
APRIL	1348.0	11.0	2.0	1361.0
MAY	1157.0	11.0	3.0	1171.0
JUNE	1113.0	11.0	3.0	1127.0
JULY	1069.0	10.0	2.0	1081.0
AUGUST	1101.0	11.0	3.0	1115.0
SEPTEMBER	<u>1014.0</u>	<u>10.0</u>	<u>2.0</u>	<u>1026.0</u>
TOTALS	14352.0	130.0	29.0	14511.0

FOLLOWING IS A MONTHLY TABULATION OF THE ELECTRIC POWER FROM THE GARBAGE INCINERATOR, USED AT THE ERNEST STREET STATION:

<u>1956</u>	<u>K.W.H.</u>
OCTOBER	193451
NOVEMBER	189140
DECEMBER	232235
<u>1957</u>	
JANUARY	230156
FEBRUARY	203640
MARCH	216934
APRIL	220234
MAY	176632
JUNE	166001
JULY	150433
AUGUST	163139
SEPTEMBER	<u>155024</u>
TOTAL	2297019

## SEWAGE DISPOSAL WORKS

THIS SECTION TREATS AND DISPOSES OF ALL THE SEWAGE FROM THE CITY OF PROVIDENCE, THE TOWN OF NORTH PROVIDENCE, AND WASTES FROM THE NARRAGANSETT BREWING COMPANY, AND CRANSTON, R. I., THE DISPOSAL PLANT IS LOCATED IN THE SOUTHEASTERN 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
NORTH PROVIDENCE	10,000
TOTAL CONNECTED POPULATION	258,000

<u>SEWAGE FLOW:</u>	<u>MILLION GALLONS</u>
PROVIDENCE	13,635.19
NORTH PROVIDENCE	2,445.17
(CRANSTON) NARRAGANSETT BREWING COMPANY	125.69
TOTAL SEWAGE FLOW	16,206.50

### SUMMARY OF OPERATIONS

TOTAL FLOW OF SEWAGE	16,206.05 M.G.
AVERAGE DAILY FLOW	44.41 M.G.
MAXIMUM DAILY FLOW (APRIL 5, 1957)	108.40 M.G.
MINIMUM DAILY FLOW (NOVEMBER 11, 1956)	29.63 M.G.
*TOTAL AIR USED FOR AERATION	—
CALCIUM HYPOCHLORITE USED	6,759.33 TONS
CHLORINE AS HYPOCHLORITE	528.74 TONS
LIQUID CHLORINE	237.49 TONS
TOTAL CHLORINE USED	766.23 TONS
FERRIC CHLORIDE USED	56.86 TONS
LIME	84.85 TONS
GRIT AND SCREEN REMOVALS	3,189.02 TONS
SLUDGE INCINERATED	4,018.10 TONS
ASH REMOVED FROM INCINERATOR	954.09 TONS
FUEL OIL USED FOR OPERATING INCINERATOR (No.5)	91,140.00 GALS.

\*AIR BLOWERS WERE NOT IN OPERATION DURING THE PAST FISCAL YEAR BECAUSE OF ALTERATIONS AND IMPROVEMENTS TO THE PLANT.

### ELECTRIC POWER USED FROM THE GARBAGE INCINERATOR:

	<u>1956</u>	<u>K.W.H.</u>
	OCTOBER	52,400
	NOVEMBER	67,900
	DECEMBER	72,000
1957,	JANUARY	70,000
	FEBRUARY	59,400
	MARCH	63,300
	APRIL	36,600
	MAY	47,000
	JUNE	53,400
	JULY	53,400
	AUGUST	51,400
	SEPTEMBER	44,600
	TOTAL	671,400

### EXPENDITURES FOR THE YEAR

ITEM 0 PERSONAL SERVICES	\$106,142.32
ITEM 1 SERVICES OTHER THAN PERSONAL	8,539.95
ITEM 2 MATERIALS AND SUPPLIES	<u>132,692.11</u>
TOTAL	\$247,374.38

THE ALTERATIONS AND RECONSTRUCTION WORK BY THE BAYLOR CONSTRUCTION CORPORATION AT THE SEWAGE DISPOSAL PLANT IS STILL IN PROGRESS. PLANT PERSONNEL IS COOPERATING WITH THE CONSTRUCTION ENGINEERS IN ALL WAYS TO EXPEDITE THE PROGRESS OF CONSTRUCTION AND STILL MAINTAIN THE MAXIMUM OF TREATMENT.

THE PRIMARY PURPOSE OF THE PLANT, TO REMOVE SOLIDS AND RENDER THE FINAL EFFLUENT INOCUOUS, HAS BEEN CONTINUED AS EFFICIENTLY AS POSSIBLE CONSISTENT WITH THE CONSTRUCTION WORK IN PROGRESS. MAXIMUM CHLORINATION OF SOME TYPE HAS BEEN MAINTAINED AT ALL TIMES.

THE FOLLOWING WORK WAS ACCOMPLISHED BY PLANT PERSONNEL DURING THE FISCAL YEAR:

VALVE OPERATING MECHANISMS OF THE 12" VALVES ON HOLDING TANKS NOS. 3 AND 4 WERE REPLACED.

THE OVERHAULING OF THE SLUDGE BUCKET ELEVATORS WAS CONTINUED BY REPLACING THE WORN SHAFTS, SPROCKETS, TAKE-UP FRAMES, BUCKETS AND CHAINS ON THE TWO NOT PREVIOUSLY OVERHAULED. BUCKETS AND METAL PARTS WERE GIVEN A COAT OF RED LEAD AND QUIGLEY TRIPLE A PAINT BEFORE INSTALLATION.

THE HEAD AND TAIL SHAFTS OF THE ASH SCREW WERE REPLACED, AND NEW BEARINGS WERE INSTALLED IN THE SHAFT HANGERS.

THE SLUDGE CONVEYOR BELT HOUSING WAS GIVEN TWO COATS OF PROTECTIVE PAINT.

THE WALLS, FLOORS AND CEILINGS OF THE WASHROOM, LOCKER ROOM AND OFFICE IN THE FILTER BUILDING, AND THE WALLS AND STAIRWAYS ETC., OF THE MAIN FLOOR WERE ALL PAINTED.

THE WALLS, SASHES AND CEILINGS OF THE FOUR FLOORS IN THE SLUDGE INCINERATOR BUILDING WERE ALL PAINTED AS WAS THE PUMP ROOM AND THE BOILER ROOM.

WHEN THE SCREEN HOUSE AND DETRITORS WERE TURNED OVER TO THE CONTRACTOR FOR DEMOLITION, IT BECAME NECESSARY TO INSTALL AN EMERGENCY BAR SCREEN IN THE INFLUENT CHANNEL TO THE SLUDGE WELL. THIS WAS HAND RAKED ON A 24 HOUR BASIS AND THE SCREENINGS, IN THE AMOUNT OF 2.63 TONS A DAY WERE HOISTED BY HAND WENCH ABOUT 20 FEET TO GROUND LEVEL, AND CARTED AWAY IN CANS.

THE EIGHT EIMCO FILTERS, THE HOUSINGS OF THE FOUR BUCKET ELEVATORS, THE FERRIC CHLORIDE STORAGE TANKS, THE FOUR LIME HOPPERS, THE FOUR LEVEL CONTROL TANKS AND THE FOUR MIXING TANKS WERE ALL GIVEN A COAT OF METAL PROTECTING, CHEMICAL RESISTANT PAINT.

THE FERRIC CHLORIDE "ACE" PUMP WAS OVERHAULED AND WORN OR CORRODED PARTS REPLACED.

THE HEAD SECTIONS OF TWO OF THE PROPORTIONEER FERR-O-FEEDERS WERE REPLACED WITH NEW MODELS, AS IT HAD BECOME IMPOSSIBLE TO OBTAIN REPLACEMENT PARTS BECAUSE OF THE OBSOLESCENCE OF THE OLD FEEDERS.

## GARBAGE COLLECTION AND DISPOSAL

THIS SECTION IS CHARGED WITH THE COLLECTION AND DISPOSAL OF DOMESTIC GARBAGE AND COMBUSTIBLE RUBBISH, THE DISPOSAL OF COMMERCIAL RUBBISH AND THE GENERATION OF ELECTRIC POWER. THE POWER GENERATED IS USED AT THE INCINERATOR, THE MAIN SEWAGE PUMPING STATION AND THE SEWAGE DISPOSAL WORKS.

A FLEET OF TWENTY-TWO TRUCKS, WITH SPECIAL ENCLOSED BODIES, IS USED IN MAKING THE COLLECTIONS OF DOMESTIC GARBAGE AND COMBUSTIBLE HOUSEHOLD RUBBISH. COLLECTIONS ARE MADE TWICE WEEKLY FROM ALL RESIDENCES IN THE CITY.

THE MATERIAL COLLECTED IS DISPOSED OF IN AN INCINERATOR AT FIELDS POINT. THERE ARE TWO 160 TON PER DAY INCINERATING UNITS, EACH WITH TWO WASTE HEAT BOILERS FOR STEAM GENERATION AND THE STEAM PRODUCED IS USED TO DRIVE THE WESTINGHOUSE TURBO-GENERATORS. THERE ARE TWO GENERATORS IN THE POWER PLANT, EACH WITH A CAPACITY OF 12500 K.W. BOTH THE INCINERATOR AND THE POWER PLANT ARE IN OPERATION TWENTY-FOUR HOURS PER DAY.

ALL THE AUTOMATIVE EQUIPMENT USED BY THIS SECTION IS RENTED FROM THE SANITATION SHOP AND STORES REVOLVING FUND.

THE EXPENDITURES FOR THIS SECTION FOR THE FISCAL YEAR WERE AS FOLLOWS:

ITEM 0	PERSONAL SERVICES	\$462,060.49
ITEM 1	SERVICES OTHER THAN PERSONAL	122,042.34
ITEM 2	MATERIALS AND SUPPLIES	10,717.37
ITEM 3	SPECIAL ITEMS	4,407.49
	TOTAL	<u>\$599,227.69</u>

DURING THE FISCAL YEAR 15,000 GALLONS OF NO.6 FUEL OIL WERE USED TO MAINTAIN THE STEAM PRESSURE IN TIMES OF EMERGENCY OR MECHANICAL BREAKDOWN. 5,000 GALLONS OF THE ABOVE AMOUNT WAS PURCHASED BECAUSE OF LACK OF GARBAGE AND REFUSE DUE TO SNOW STORMS.

THE FOLLOWING IS THE K.W.H. FURNISHED THE SEWAGE DISPOSAL WORKS, THE MUNICIPAL GARAGE, THE SEWAGE PUMPING STATION AND THE STATION POWER:

	SEWAGE DISPOSAL	MUNICIPAL GARAGE	SEWAGE PUMPING	STATION POWER	TOTAL
1956					
OCTOBER	52,400	749	193,451	103,400	350,000
NOVEMBER	67,900	860	189,140	90,100	348,000
DECEMBER	72,000	1,065	232,235	96,700	402,000
1957					
JANUARY	70,000	1,344	230,156	98,500	400,000
FEBRUARY	59,400	1,060	203,640	86,900	351,000
MARCH	63,300	966	216,934	94,800	376,000
APRIL	36,600	966	220,234	88,200	346,000
MAY	47,000	768	176,632	89,600	314,000
JUNE	53,400	699	166,001	85,900	306,000
JULY	53,400	667	150,433	84,500	289,000
AUGUST	51,400	761	163,139	86,700	302,000
SEPTEMBER	44,600	776	155,024	85,600	286,000
TOTAL	671,400	10,681	2,297,019	1,090,900	4,070,000

THE FOLLOWING IS THE TOTAL AMOUNT OF GARBAGE AND RUBBISH DISPOSED OF BY THIS DEPARTMENT; ALSO ASHES REMOVED, FROM OCTOBER 1956 TO SEPTEMBER 1957:

<u>1956</u>	<u>GARBAGE (TONS)</u>	<u>RUBBISH (TONS)</u>
OCTOBER	3,340.0	2,559.0
NOVEMBER	3,035.0	2,799.0
DECEMBER	2,900.0	2,965.0
<u>1957</u>		
JANUARY	3,157.0	2,900.0
FEBRUARY	2,590.0	2,494.0
MARCH	3,175.0	2,097.0
APRIL	2,666.0	3,085.0
MAY	2,764.0	3,375.0
JUNE	2,593.0	2,804.0
JULY	2,892.0	3,156.0
AUGUST	2,838.0	2,540.0
SEPTEMBER	<u>2,690.0</u>	<u>3,139.0</u>
TOTAL	34,640.0	33,913.0

DAILY AVERAGE FOR COLLECTION BASED ON 313 WORKING DAYS.....111.0 TONS  
DAILY AVERAGE FOR DISPOSAL BASED ON 365 DAYS.....188.0 TONS

TOTAL POWER GENERATED	<u>K.W.H.</u>
AVERAGE DAILY DISTRIBUTED LOAD	11,151
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE DISPOSAL WORKS	1,844
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE PUMPING STATION	6,288
AVERAGE DAILY DISTRIBUTED LOAD TO MUNICIPAL GARAGE	29
AVERAGE DAILY DISTRIBUTED LOAD TO GARBAGE INCINERATOR	2,990

THE MONTHLY ASH TOTALS FROM THE INCINERATOR DURING THE YEAR WERE AS FOLLOWS:

<u>1956</u>	<u>TONS</u>
OCTOBER	937.0
NOVEMBER	891.0
DECEMBER	959.0
<u>1957</u>	
JANUARY	966.0
FEBRUARY	826.0
MARCH	900.0
APRIL	1,014.0
MAY	993.0
JUNE	873.0
JULY	968.0
AUGUST	909.0
SEPTEMBER	<u>924.0</u>
TOTAL	11,160.0

THE FOLLOWING IS A SUMMARY OF THE REPAIR WORK PERFORMED IN THE COURSE OF THE FISCAL YEAR TO INCINERATOR PLANTS NOS. 1 AND 2:

THE ASH CONVEYOR IN PLANT NO.1 WAS REPAIRED A NUMBER OF TIMES DURING THE YEAR BY INCINERATOR EMPLOYEES. THIS CONVEYOR GETS REAL HARD USAGE AND THEREFORE REQUIRES QUITE A LOT OF ATTENTION.

EXTENSIVE BRICK WORK REPAIRS WERE NECESSARY IN BOTH FURNACES. THIS WORK WAS PERFORMED BY OUR EMPLOYEES AND WAS NECESSARY TO KEEP THE PLANTS IN GOOD OPERATING CONDITION.

BOTH OIL PUMPS IN PLANT No.2 WERE OVERHAULED AND PUT IN GOOD CONDITION.

THE ASH CONVEYOR WAS CLEANED, RED LEADED, AND A FINISH COAT OF RUST RESISTANT PAINT APPLIED.

NEW BEARINGS WERE INSTALLED IN THE FOUR WATER PUMPS AND THE THREE FORCED DRAFT FANS. THE SHAFT OF ONE FORCED DRAFT FAN WAS REMOVED, METAL SPRAYED, AND PUT BACK IN GOOD CONDITION. THREE DAMPER GATES AND FOUR CHARGING DOORS WERE REBUILT AND PUT BACK IN SERVICE.

TWO CONDENSATING PUMPS WERE OVERHAULED AND PUT BACK IN CONDITION.

THE WATER JACKET OF THE GARBAGE HOPPER IN PLANT No.1 WAS REPAIRED. THE ASH HOPPER IN PLANT No.2 WAS RED LEADED AND PAINTED.

ONE MOTOR AND THE DRIVING GEAR ON THE ELECTRIC CRANE IN PLANT No.2 WERE REPAIRED.

TWO MOTORS WERE REPAIRED AND THE DRIVING GEAR REPLACED ON THE ELECTRIC CRANE IN PLANT No.1.

THE ASH HOPPER IN PLANT No.1 WAS WIRE BRUSHED, RED LEADED, AND PAINTED WITH RUST RESISTANT PAINT.

#### REFUSE COLLECTION AND DISPOSAL

THIS SECTION IS RESPONSIBLE FOR THE COLLECTION AND DISPOSAL OF ALL NON-COMBUSTIBLE REFUSE FROM THE RESIDENTIAL SECTIONS OF THE CITY ONCE A MONTH. THE CITY IS DIVIDED INTO FOUR AREAS AND EACH AREA IS SUB-DIVIDED INTO TWENTY ROUTES.

A DRIVER AND TWO LABORERS ARE ASSIGNED TO EACH TRUCK. ALL MATERIALS COLLECTED IS DUMPED IN A CONTROLLED DUMP ON MANTON AVENUE. A BULLDOZER IS ASSIGNED TO THE DUMP TO MAINTAIN LEVEL FILLING AND A DUMP ATTENDANT PREVENTS THE DUMPING OF COMBUSTIBLE RUBBISH, THUS PREVENTING DUMP FIRES.

AT THE PRESENT TIME THIS SECTION HAS EIGHT TRUCKS, 6-16 CU.YD. LOADPACKERS AND 2-13 CU.YD. BUCKET LOADERS, WHICH ARE USED FOR THE COLLECTIONS. THESE TRUCKS ARE RENTED FROM THE SANITATION SHOP AND STORES ON TERMINAL ROAD.

THIS SECTION ALSO COLLECTED NON-COMBUSTIBLE REFUSE FROM FIRE AND POLICE STATIONS, CITY BUILDINGS AND PUBLIC LIBRARIES.

THE TOTAL CUBIC YARDS COLLECTED FROM EACH AREA PER MONTH WAS AS FOLLOWS:

<u>1956</u>	<u>AREA I</u>	<u>AREA II</u>	<u>AREA III</u>	<u>AREA IV</u>	<u>TOTAL</u>
OCTOBER	962	1274	1183	1131	4550
NOVEMBER	1144	1521	1261	1066	4992
DECEMBER	1079	1547	1183	1196	5005
<u>1957</u>					
JANUARY	1014	1469	1430	1196	5109
FEBRUARY	1066	1430	1313	1339	5148
MARCH	1131	1495	1287	1248	5161
APRIL	1105	1469	1391	1222	5187
MAY	1157	1508	1391	1222	5278
JUNE	998	1485	1300	1170	4953
JULY	910	1261	1092	1066	4329
AUGUST	1040	1417	1261	1118	4836
SEPTEMBER	936	1443	1248	1131	4758
TOTAL	12542	17319	15340	14105	59306

THE EXPENDITURES FOR THIS SECTION FOR THE FISCAL YEAR WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$85,751.97
ITEM 1 SERVICES OTHER THAN PERSONAL	39,438.53
ITEM 2 MATERIALS AND SUPPLIES	15.49
ITEM 7 STRUCTURES AND IMPROVEMENTS	<u>1,390.00</u>
TOTAL	\$126,595.99

#### SANITATION SHOPS AND STORES

THE SHOPS AND STORES IS RESPONSIBLE FOR THE SERVICING AND MAINTENANCE OF ALL AUTOMOTIVE EQUIPMENT IN THE DIVISION, WITH THE EXCEPTION OF THE STREET CLEANING SECTION.

THE EQUIPMENT IS RENTED OUT ON AN HOURLY RATE TO EACH SECTION. THE RENTAL PAYMENTS ARE MADE TO THE SANITATION REVOLVING FUND AND THIS FUND IS USED TO DEFRAY THE OPERATING EXPENSES OF THE SHOPS AND STORES AND TO PURCHASE NEW EQUIPMENT AS NEEDED.

A LIST OF THE AVAILABLE RENTAL EQUIPMENT IN THE SHOPS AND STORES, IS AS FOLLOWS:

- 24 GARBAGE COLLECTION TRUCKS WITH GAR-WOOD LOADPACKER TYPE BODIES.
- 6 REFUSE COLLECTION TRUCKS WITH LOADPACKER TYPE BODIES.
- 2 REFUSE COLLECTION TRUCKS WITH LEACH REFUSE GETTER TYPE BODIES.
- 1 DUMP BODY TRUCK FOR GARBAGE COLLECTION.
- 1 HEAVY DUMP BODY TRUCK FOR ASH DISPOSAL.
- 2 PICKUP TRUCKS ONE HALF TON CAPACITY.
- 6 PASSENGER CARS.
- 1 BULLDOZER.
- 1 SMALL AIR COMPRESSOR.

THE GARAGE AND REPAIR SHOP, SITUATED ON TERMINAL ROAD IN THE FIELDS POINT AREA OF THE CITY, CONSISTS OF TWO AREAS. ONE AREA TWO HUNDRED FEET LONG AND ONE HUNDRED FEET WIDE IS USED FOR STORAGE OF EQUIPMENT. THE OTHER AREA, ONE HUNDRED FEET LONG AND ONE HUNDRED FEET WIDE IS USED FOR REPAIR WORK AND STORAGE WHEN NECESSARY. THE REPAIR SHOP HAS ALL MODERN EQUIPMENT TO CARRY ON THE WORK. A MODERN MACHINE SHOP IS PART OF THE REPAIR SHOP AND IT IS POSSIBLE FOR THE SECTION TO MAKE NEW PARTS OR REPAIR BROKEN ONES FOR ANY OTHER SECTION OF THE SANITATION DIVISION. THIS HAS SAVED BOTH TIME AND EXPENSE DURING THE PAST YEAR. HEAT AND POWER FOR THE ENTIRE BUILDING IS FURNISHED BY THE GARBAGE INCINERATOR CLOSE BY.

DURING THE PAST YEAR, ONE NEW SEDAN, ONE NEW DUMP TRUCK, TWO  $\frac{1}{2}$  TON PICK-UP TRUCKS, ONE NEW 16 CU.YD. GARBAGE COLLECTION TRUCK WITH PACKER TYPE BODY, THREE NEW 16 CU.YD. REFUSE COLLECTION TRUCKS WITH PACKER TYPE BODY, TWO NEW HEAVY DUTY TRUCK CHASSIS, WERE PURCHASED. TWO OF THE OLD GARBAGE COLLECTION BODIES WERE COMPLETELY OVERHAULED AND INSTALLED ON THE TWO NEW CHASSIS. THE SMALL MILLING MACHINE IN THE MACHINE SHOP WAS TRADED IN FOR A LARGER HEAVY DUTY MACHINE, THUS PERMITTING THE MACHINE SHOP TO PERFORM WORK ON HEAVIER STOCK.

#### SANITATION DIVISION REVENUE

THE REVENUE FOR THIS DIVISION DURING THE FISCAL YEAR WAS AS FOLLOWS:

SEWAGE PUMPING STATION	\$145.38
SEWAGE DISPOSAL SECTION	274.02
GARBAGE COLLECTION AND DISPOSAL SECTION	10811.91
REFUSE COLLECTION AND DISPOSAL SECTION	<u>835.29</u>
TOTAL	\$12066.60



## RECOMMENDATIONS

THAT THE ELECTRIC CONTROL BOARD AT THE SEWAGE PUMPING STATION BE GIVEN A COMPLETE CHECK AND OVERHAUL BY A MANUFACTURER'S REPRESENTATIVE AND THEIR RECOMMENDATIONS BE CARRIED OUT IN RELATION TO NEW MODERN RELAYS AND SWITCHES, ETC.

THAT THE CAPACITY OF THE WASHINGTON PARK PUMPING STATION BE ENLARGED. THE PRESENT PUMPS ARE NOW OPERATING AT FULL CAPACITY AND THE LOAD ON THIS STATION WILL FURTHER INCREASE AS THE HARBORSIDE PARK DEVELOPMENT EXPANDS.

THAT THE SEWAGE DISPOSAL WORKS SLUDGE INCINERATOR STACK AND THE ASH ELEVATOR HOUSING BE PAINTED. THESE ITEMS ARE IN NEED OF CLEANING AND PAINTING AND CANNOT BE DONE BY PLANT PERSONNEL, WHO ARE NEITHER TRAINED NOR QUALIFIED FOR THIS TYPE OF WORK.

THAT NEW MIXING TANKS FOR TREATING SLUDGE BE INSTALLED AS SOON AS POSSIBLE. THE PRESENT TANKS HAVE HAD PATCHES WHICH WERE WELDED ON NEW BOTTOMS, AND BECAUSE OF THE ACIDITY OF THE MIXTURE, THESE TANKS WILL NOT HOLD OUT MUCH LONGER.

THAT SOME METHOD BE DEvised FOR HEATING THE LOWER CORRIDORS IN THE FILTER BUILDING. THE DAMPNESs DUE TO CONDENSATION CREATES A SEVERE CORROSIVE ACTION ON ELECTRICAL EQUIPMENT AND PUMPS.

THAT THE EXPANDING OF THE SEWAGE DISPOSAL PLANT PERSONNEL BE INITIATED SOON SO THAT PROPERLY QUALIFIED INDIVIDUALS CAN BE SELECTED AND TRAINED IN SEWAGE PLANT OPERATION. THERE ARE VERY FEW INDIVIDUALS AMONG THE PRESENT PLANT PERSONNEL WHOSE ABILITY QUALIFIES THEM FOR ADVANCEMENT TO FILL THE NEW OPENINGS THAT HAVE BEEN CREATED.

THAT CONSIDERATION BE GIVEN TO THE INSTALLATION OF THE NEW TYPE OF FILTER MEDIA ON FOUR OF THE EIGHT VACUUM FILTERS. THE EIMCO COMPANY MANUFACTURERS OF THE VACUUM FILTERS IN OPERATION AT THE DISPOSAL PLANT HAVE DEVELOPED THIS NEW TYPE OF FILTER MEDIA CALLED THE ROTO-BELT, WHICH CAN BE INSTALLED ON THE PRESENT VACUUM FILTERS. THIS NEW COVER MADE ENTIRELY OF STAINLESS STEEL IMPERVIOUS TO ACID OR ALKALI WOULD ELIMINATE THE NECESSITY OF PURCHASING AND INSTALLING FILTER CLOTHS FREQUENTLY. THIS TYPE OF MEDIA IS GUARANTEED BY THE MANUFACTURER FOR LIFETIME SERVICE. INSTALLATION OF THIS TYPE OF BELT HAS ALREADY BEEN MADE IN ANOTHER PLANT IN RHODE ISLAND AND VERY GOOD RESULTS HAVE BEEN OBTAINED.

THAT A COMPLETE SET OF BOILER TUBES SHALL BE INSTALLED IN BOILERS NOS. 1 AND 2. THE TUBES IN BOTH BOILERS ARE THE ORIGINAL ONES AND HAVE BEEN IN SERVICE FOR TWENTY-ONE YEARS. RENEWING THE TUBES AS THEY GIVE WAY ONE AT A TIME IS GETTING TO BE A COSTLY PROBLEM.

THAT THE ELECTRIC CRANE IN PLANT NO. 1 WHICH HAS BEEN IN SERVICE FOR TWENTY-ONE YEARS, BE GIVEN A COMPLETE OVERHAUL. THIS WORK COULD BE DONE BY INCINERATOR EMPLOYEES UNDER THE SUPERVISION OF AN ENGINEER FROM THE HARNISCHFEGER CRANE CORPORATION OF MILWAUKEE, WISCONSIN.

THAT A SECOND PUMP SHOULD BE INSTALLED IN THE WATER COOLING SYSTEM AND BOTH PUMPS MADE SELF PRIMING. UNDER THE PRESENT SET-UP A PUMP BREAKDOWN WOULD CAUSE THE SHUT-DOWN OF THE WATER COOLING SYSTEM.

THAT CONSIDERATION BE GIVEN IN REGARD TO ENLARGING THE GARBAGE PIT AREA IN PLANTS NOS. 1 AND 2. WHEN THE SMOKE ABATEMENT LAW WENT INTO EFFECT NEARLY ALL PRIVATE INCINERATORS WERE CLOSED DOWN. THIS GREATLY INCREASED THE AMOUNT OF COMMERCIAL REFUSE WHICH MUST BE DISPOSED OF BY THIS DEPARTMENT.

THAT A SMALL CHARGE BE MADE FOR ALL COMMERCIAL VEHICLES USING THE GARBAGE AND COMBUSTIBLE REFUSE DISPOSAL FACILITIES. THIS SYSTEM COULD BE PUT INTO EFFECT IN PROVIDENCE TO HELP PAY THE OPERATING COST OF THIS DISPOSAL PLANT, AS IS DONE IN A NUMBER OF OTHER CITIES.

THAT THE ROOF OF PLANT No.1 BE REPAIRED. THE STONE COPING AROUND THE ROOF ALSO NEEDS REPAIRS.

RESPECTFULLY SUBMITTED,

HOWARD F. CARPENTER  
CHIEF OF SANITATION DIVISION.

## HARBOR DIVISION

MR. CHARLES F. MCELROY,  
DIRECTOR OF PUBLIC WORKS,  
CITY HALL, PROVIDENCE, R. I.

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING ACTIVITIES OF THE HARBOR DIVISION  
FOR THE YEAR ENDING SEPTEMBER 30, 1957:

### PORT AGENT

THE MUNICIPAL DOCK ENJOYED ANOTHER GOOD YEAR OF OPERATION.

DURING THE YEAR THE NORTHERN END OF THE DOCK APRON WAS REBUILT. OVER 12260 SQUARE YARDS OF CONCRETE PAVEMENT AND 4705 FEET OF NEW GIRDER RAIL WAS LAID. THIS ADDITIONAL CONSTRUCTION GIVES PROVIDENCE THE FINEST WORKING APRON OF ANY PORT ALONG THE COAST. ALSO, OVER 439 NEW PILES AND 3080 FEET OF CAPLOG WERE INSTALLED IN OUR FENDER SYSTEM.

THE MCLEAN LAND-SEA OPERATION MOVED A STEP FURTHER WITH A RULING OF THE INTERSTATE COMMERCE COMMISSION TO CONSOLIDATE TWO PENDING CASES AND REHEAR THEM AS ONE. IF THE FINAL DECISION IS FAVORABLE, PROVIDENCE WILL BE IN A POSITION TO ENJOY SERVICE FROM ADDITIONAL POINTS THAT WERE NOT REQUESTED IN THE ORIGINAL PETITION.

THERE WAS A SLIGHT DROP IN THE MOVEMENT OF LUMBER DUE TO A SLOW DOWN IN HOME CONSTRUCTION, BUT THERE WAS A SUBSTANTIAL INCREASE IN THE MOVEMENT OF ZINC, CEMENT AND PUMICE.

### CARGO HANDLED

<u>SHIPPED</u>		<u>RECEIVED</u>	
289.2	TONS GENERAL CARGO	LUMBER	56,142,851 BMF.
14,551.6	TONS SCRAP IRON	FROZEN FISH	2,874 TONS
33,989.4	TONS FUEL OIL	FISH MEAL	402.9 TONS
8214	TONS KEROSENE	FISH SKIN	149.1 TONS
		BALED COD FISH	71.8 TONS
		PICKLED COD	58.8 TONS
		COD FISH OIL	140. TONS
		FISH OIL	64.5 TONS
		BLUE BERRIES	57.4 TONS
		PETROLEUM	437,274.9 TONS
		PUMICE	8310 TONS
		CEMENT	20172. TONS

### REVENUE

LEASE OF STORAGE WAREHOUSE	\$42,000.00
LEASE OF LAND	39,858.00
WHARFAGE	72,613.00
TRUCKAGE	8,334.00
WATER	2,863.89
DOCKAGE	19,762.69
STORAGE	26,881.49
MISCELLANEOUS	2,571.40
TOTAL	\$214,884.47

# EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$28,740.84
ITEM 1	SERVICES OTHER THAN PERSONAL	9,020.00
ITEM 2	MATERIALS AND SUPPLIES	2,266.18
	TOTAL	\$40,027.02

## HARBORMASTER

### REPORT OF ACTIVITIES

	QUARTER ENDING <u>DEC. 31, 1956</u>	QUARTER ENDING <u>MARCH 31, 1957</u>	QUARTER ENDING <u>JUNE 30, 1957</u>
STEAMER	129	141	125
TUG BOATS	79	95	115
SCHOONER	1		
DESTROYERS	10	5	22
MOTOR VESSELS	98	108	106
BARGES	46	74	77
BRIGANTINE	1		
SUBMARINE	1		
	<u>355</u>	<u>423</u>	<u>445</u>
PUMICE			8310
CEMENT			2499
BITUMINOUS	215109	213523	177816
GASOLINE	446585	441297	470135
OIL	630196	1249812	1286607
FROZEN FISH	1151	993	693
CHEMICAL	4000	4000	2300
CODFISH (NOT FROZEN)	129		
FISH SKIN	32	27	27
COD FISH OIL	4200		
TAR	8776		3200
ASPHALT	1000	1040	
A B C STOCK	21642		
CANNED BLUEBERRIES	57		
LUMBER	9927	41995½	21586
ZINC	7559	532	
FISH MEAL	43	25	195
SCRAP IRON		2596	
	<u>1350406</u> TONS	<u>1955840½</u> TONS	<u>1973368</u> TONS

### QUARTER ENDING SEPTEMBER 30, 1957.

STEAMERS	120	BITUMINOUS	172257
MOTOR VESSELS	131	GASOLINE	554762
TUG BOATS	95	OIL	936760
BARGES	40	ASPHALT	16200
COAST GUARD BUTTER	1	CEMENT	17673
COAST GUARD FENDER	1	LUMBER	18483
COAST GUARD	1	A.B.C. STOCK	22218
MINE SQUEEPER	1	TAR	4036
SCHOONER	1	CHEMICAL	2200
DESTROYER	18	SALVAGE	400
	<u>409</u>		<u>1744989</u> TONS

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$4014.75
ITEM 1	SERVICES OTHER THAN PERSONAL	174.46
ITEM 2	MATERIALS AND SUPPLIES	<u>156.70</u>
		\$4345.91

RESPECTFULLY SUBMITTED

JAMES J. FISHER  
CHIEF OF HARBOR DIVISION.

PUBLIC SERVICE ENGINEER

MR. CHARLES F. MCELROY,  
DIRECTOR OF PUBLIC WORKS,  
CITY HALL, PROVIDENCE, R. I.

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT OF THE PUBLIC SERVICE ENGINEER FOR THE  
YEAR ENDING SEPTEMBER 30, 1957:

PUBLIC UTILITY STRUCTURES AND APPURTENANCES WITHIN THE HIGHWAYS AND  
ACTIVITIES OF THE VARIOUS AGENCIES ARE SHOWN IN THE FOLLOWING TABULATIONS:

DEPARTMENT OF PUBLIC SAFETY

	<u>TOTAL</u>	<u>BOXES</u>		<u>QUICK ACTION</u>	<u>DOORS</u>	<u>KEYLESS</u>
		<u>AERIAL</u>	<u>U.G.</u>		<u>KEY</u>	
FIRE ALARM	918	557	362	897	10	11
OWNER BY CITY:	666	405	261	666	00	00
PRIVATELY OWNED	252	151	101	230	10	11
POLICE BOXES	167	103	64			
TOTAL NUMBER OF ALL BOX AND CABLE PEDESTALS						333
TOTAL NUMBER OF ALL FIRE ALARM BOX PEDESTALS						231
TOTAL NUMBER OF ALL POLICE BOX PEDESTALS						67
TOTAL NUMBER OF MILES OF UNDERGROUND CABLE						85.15
TOTAL NUMBER OF MILES OF PARKWAY CABLE						1.47
TOTAL NUMBER OF MILES OF AERIAL CABLE						3.52
TOTAL NUMBER OF MILES EQUIVALENT SINGLE CONDUCTOR-UNDERGROUND						1285.40
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR-PARKWAY						6.42
TOTAL FOOTAGE OF ALL UNDERGROUND DUCTS AND LATERALS OWNED BY THE CITY						3545.6
TOTAL NUMBER OF MILES OF SINGLE CONDUCTOR FIRE ALARM BOX CIRCUIT AERIAL WIRE						123.90
TOTAL NUMBER OF POLES OWNED BY THE FIRE ALARM DIVISION						37
INCREASE IN THE NUMBER OF FIRE ALARM BOXES OWNED BY THE CITY						4
INCREASE IN THE NUMBER OF FIRE ALARM BOXES PRIVATELY OWNED						0

TRAFFIC ENGINEERING DEPARTMENT

TOTAL NUMBER OF TRAFFIC SIGNAL HEADS	1021
TOTAL NUMBER OF TRAFFIC SIGNAL POLES	507
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (LOCAL)	151
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (MASTER)	5
TOTAL NUMBER OF FEET OF UNDERGROUND DUCTS AND LATERALS	57890
TOTAL NUMBER MILES OF UNDERGROUND CABLE	24.7
TOTAL NUMBER MILES OF AERIAL CABLE	5.1
TOTAL NUMBER MILES OF EQUIVALENT SINGLE CONDUCTOR (UNDERGROUND CABLE)	125.2
TOTAL NUMBER MILES OF EQUIVALENT SINGLE CONDUCTOR (AERIAL CABLE)	24.3

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	52530
TOTAL NUMBER OF FEET OF DUCT SPACE BELONGING TO THE FIRE DEPARTMENT OF THE CITY OF PROVIDENCE	3040

TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR UNDERGROUND CABLE  
BELONGING TO THE CITY OF PROVIDENCE FIRE DEPARTMENT AND ASSIGNED FOR  
TRAFFIC ENGINEERING DEPARTMENT USE

57.6

DURING THE LAST FISCAL YEAR, A NEW TRAFFIC SIGNAL INSTALLATION WAS  
MADE AT THE TEMPORARY DETOUR OF THE FREEWAY CONSTRUCTION AROUND BURNSIDE  
SQUARE. THIS SIGNAL WAS REMOVED FROM SERVICE WHEN TRAFFIC WAS ROUTED  
BACK THROUGH BURNSIDE SQUARE WHERE A NEW SIGNAL SYSTEM WAS BUILT. AS  
SOON AS THE RAMPS OF THE FREEWAY ARE OPENED IN THIS AREA, THE BURNSIDE  
SQUARE SIGNAL WILL THEN BE CONTROLLING THE INTERSECTION OF BENEFIT  
STREET AND WISHENDEN STREET ALSO.

NEW EQUIPMENT HAS BEEN INSTALLED AND OLD EQUIPMENT REMOVED FROM SERVICE AT  
THE INTERSECTION OF SMITH STREET AND CHALKSTONE AVENUE

PROVIDENCE GAS COMPANY

TOTAL GAS SERVICES IN PROVIDENCE

39008

MILES OF MAIN:

L.P. 397 MILES 1,766 FEET

H.P. 1 MILE 2,916 FEET

NATURAL GAS 1 MILE 1,800 FEET

TOTAL 400 MILES 1,202 FEET OR

400.2 MILES

GAS HOLDERS

4

NUMBER OF METERS (ACTIVE)

60428

DECREASE IN GAS SERVICE 9/30/56 - 9/30/57

182

INCREASE IN MILES OF MAIN 9/30/56 - 9/30/57

1

DECREASE IN NUMBER OF METERS 9/30/56 - 9/30/57

1174

UNITED TRANSIT COMPANY

TOTAL NUMBER OF TURNOUTS IN CITY (300' OR LESS) (NOT IN USE)

1

REDUCTIONS IN EQUIPMENT IN USE BY UNITED TRANSIT COMPANY AS COMPARED  
WITH THE PREVIOUS FISCAL YEAR:

WOOD POLES 27

NUMBER OF IRON POLES 247

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

TOTAL NUMBER WOOD POLES (INCLUDING JOINTLY USED, BUT NOT INCLUDING  
THOSE JOINTLY USED WITH NO OWNERSHIP)

16701

TOTAL NUMBER OF JOINTLY USED POLES WITH N.E. COMPANY

13442

TOTAL NUMBER MILES MAIN CONDUIT (TRENCH FEET)

57.53

TOTAL NUMBER MILES U.G. CABLE

240.46

TOTAL NUMBER MILES AERIAL CABLE

219.04

TOTAL WOOD TERMINAL BOXES ON POLES

213

APPROXIMATE NUMBER OF TELEPHONES SUPPLIED DIRECTLY BY UNDERGROUND  
OF BLOCK DISTRIBUTION

48434

APPROXIMATE NUMBER OF TELEPHONES SUPPLIED DIRECTLY BY OVERHEAD  
LINES ON HIGHWAYS

42020

THE FOLLOWING ADDITIONS HAVE BEEN MADE TO THE EQUIPMENT IN USE BY  
THIS COMPANY DURING THE PAST YEAR:

INCREASE IN NUMBER OF POLES (ALL HEADINGS)	25
ADDITIONAL MILES OF CABLE - U.G. AND AERIAL	15.73
INCREASE IN THE NUMBER OF TELEPHONES IN USE	1,030

# ESTIMATE

THIS REPORT COVERS PLANT STATISTICS AS OF SEPTEMBER 30, 1957.

## WESTERN UNION TELEGRAPH COMPANY

### CITY PLANT, PROVIDENCE, R. I.

NUMBER OF POLES	NONE
NUMBER OF POLES JOINTLY OWNED	NONE
NUMBER OF FEET OF U.G. CONDUIT (TRENCH FEET)	1109
NUMBER OF FEET OF U.G. CONDUIT	1954
NUMBER OF MILES OF U.G. CABLE	.803
NUMBER OF MILES OF WIRE IN U.G. CABLE	73.06

### NUMBER OF FEET OF TWISTED PAIR:

(A) ON LICENSED ATTACHMENTS PRIVILEGED TO PURCHASE THE POLES OF OTHER COMPANIES	6878
(B) ACROSS STREETS	1625
(C) OVER PRIVATE ALLEYS	500
MANHOLES OWNED	2

## NARRAGANSETT ELECTRIC COMPANY

TOTAL NUMBER OF WOOD POLES (INCLUDING JOINTLY OWNED BUT NOT INCLUDING JOINTLY USED, WITH NO OWNERSHIP)	18843
TOTAL NUMBER JOINTLY OWNED POLES WITH N.E.T & T COMPANY	13442
TOTAL NUMBER IRON POLES IN CITY	
UNDERGROUND STREET LIGHT STANDARDS	2187
ORNAMENTAL INCANDESCENTS (MERCURY VAPOR)	2181
GOOSE NECKS	6
TOTAL NUMBER MILES CONDUIT (TRENCH FEET) IN CITY	83.56
TOTAL NUMBER MILES CONDUIT (DUCT FEET) IN CITY	692.59
TOTAL MILES UNDERGROUND CABLE IN CITY	872.23
TOTAL NUMBER MILES EQUIVALENT SINGLE UNDERGROUND CONDUCTOR	1241.61
TOTAL MILES AERIAL CABLE	248.03
TOTAL MILES EQUIVALENT SINGLE CONDUCTOR AERIAL CABLE	708.81
TOTAL MILES AERIAL OPEN WIRE	4034.97
TOTAL MILES SERVICE PIPES OR LATERALS	71.13
TOTAL NUMBER COMMERCIAL TRANSFORMERS IN CITY	5012
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY U.G. CONNECTION	27653
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY O.H. CONNECTION	55307
TOTAL NUMBER METERS INSTALLED IN CITY	82960
APPROXIMATE TOTAL NUMBER OF 1Ø/2 WIRE 115 V. METERS IN CITY	56233
APPROXIMATE TOTAL NUMBER OF 1Ø 3 WIRE 115/230 V. METERS IN CITY	20259
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 115 V. METERS IN CITY	20
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 250 V. METERS IN CITY	248
TOTAL NUMBER OF 3Ø 4 WIRE 120/208 V. METERS IN CITY	1835
TOTAL NUMBER OF 1Ø 3 WIRE 120/208 V. METERS IN CITY	2665
TOTAL NUMBER OF D.C. 2 WIRE AND 3 WIRE 250 AND 250/500 V. METERS IN CITY	96
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 575 V. METERS IN CITY	1604

RESPECTFULLY SUBMITTED,

PETER J. HICKS, JR.  
PUBLIC SERVICE ENGINEER.