
THE CITY OF
PROVIDENCE,
RHODE ISLAND

**Annual Report
of the
Department of Public Works**

**FOR THE
FISCAL YEAR
1957 -- 1958**

DECEMBER 31, 1958.

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 ENDED SEPTEMBER 30, 1958 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	ENGINEERING OFFICE
CONSTRUCTION AND MAINTENANCE	SANITATION
PUBLIC SERVICE ENGINEER	HARBOR

CONTRACT WORK WAS COMPLETED DURING THE YEAR ON THE FOLLOWING PROJECTS:

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

"FENDER SYSTEM RENEWAL AND REPAIRS WITH ALL WORK INCIDENTAL THERETO AT THE MUNICIPAL DOCK" BY MCKEE LIGHTER COMPANY.

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

"CONSTRUCTION OF HIGHWAYS IN SUNDRY STREETS" BY THE CAMPANELLA & CARDI CONSTRUCTION COMPANY.

CONTRACT WORK WAS IN PROGRESS ON THE FOLLOWING PROJECTS:

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

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

"RECONSTRUCTION OF HIGHWAYS IN SUNDRY STREETS" BY THE CAMPANELLA & CARDI CONSTRUCTION COMPANY.

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

"ALTERATIONS TO AND CONSTRUCTION OF ADDITIONAL FACILITIES AT THE SEWAGE TREATMENT PLANT" BY THE BAYLOR CONSTRUCTION CORPORATION. PLANS AND SPECIFICATIONS FOR THIS PROJECT WERE PREPARED BY METCALF & EDDY, ENGINEERS, AND THEY ARE ALSO SUPERVISING THE CONSTRUCTION WORK. THE PROJECT SHOULD BE COMPLETED BY THE END OF 1958.

"REPLACING OF TUBES IN THE BOILERS OF GARBAGE INCINERATOR UNIT No.1" BY JOHN W. GRUNDY.

"SUPPORTING FACILITIES TO THE WEST RIVER REDEVELOPMENT PROJECT No. UR R.1. 1-6" BY THE CAMPANELLA & CARDI CONSTRUCTION COMPANY.

HIGHWAY CONSTRUCTION DURING THE YEAR CONSISTED OF THE SURFACING OR RESURFACING, WITH ASPHALTIC CONCRETE, OF 151,425 SQUARE YARDS OF PAVEMENT BY PUBLIC WORKS HIGHWAY FORCES; THE RECONSTRUCTION, WITH CONCRETE BASE AND A SHEET ASPHALT OR ASPHALTIC CONCRETE WEARING SURFACE, OF 48,203 SQUARE YARDS OF PAVEMENT BY CONTRACT; AND THE CONSTRUCTION OF 17,529 SQUARE YARDS OF BITUMINOUS MACADAM PAVEMENT IN NEW STREETS BY CONTRACT.

SEWER CONSTRUCTION DURING THE YEAR CONSISTED OF THE BUILDING OF 1.7789 MILES OF MAIN DRAINS, TOGETHER WITH LATERALS AND DRAINAGE STRUCTURES, IN SUNDRY STREETS BY CONTRACT.

LEASES WERE CONSUMMATED WITH THE NEW ENGLAND PORTLAND CEMENT COMPANY AND THE PROVIDENCE DOCK COMPANY FOR THE LAST TWO AVAILABLE LARGE TRACTS OF WATERFRONT PROPERTY AT THE MUNICIPAL DOCK. TO MAKE OTHER LARGE TRACTS OF WATERFRONT LAND AVAILABLE FOR LEASE, IT WILL BE NECESSARY TO EXTEND THE EXISTING GRANITE WALL SOUTHERLY AND FILL THE AREA BEHIND THE WALL.

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 DAVID YANOVER.

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.

HAVE BORINGS MADE ALONG THE LINE OF THE PROPOSED SOUTHERLY EXTENSION OF THE GRANITE WALL AT THE MUNICIPAL DOCK AND ALSO TAKE SOUNDINGS IN FRONT OF PROPOSED WALL EXTENSION, SO THAT DATA WILL BE AVAILABLE FOR THE PREPARATION OF PLANS AND SPECIFICATIONS WHEN THE PROJECT FOR THE EXTENSION OF THE MUNICIPAL DOCK IS AUTHORIZED.

EXTEND THE EXISTING RAILROAD AND HIGHWAY TO THE LEASEHOLD OF THE NEW ENGLAND PORTLAND CEMENT COMPANY AT THE MUNICIPAL DOCK, IN ACCORDANCE WITH THEIR LEASE.

CONSTRUCT NEW FACILITIES ON CITY OWNED LAND ON ERNEST STREET TO REPLACE THE FACILITIES AT THE EDDY STREET YARD, WHICH IS TO BE TAKEN BY THE STATE OF RHODE ISLAND FOR THE NORTH-SOUTH FREEWAY

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. ALTHOUGH WE HAVE SUGGESTED IN SEVERAL ANNUAL REPORTS THAT AN EDUCATIONAL PROGRAM THROUGH THE PRESS, RADIO, TELEVISION, AND THE SCHOOLS WOULD AID GREATLY IN ELIMINATING THESE CONDITIONS, WE ARE OF THE OPINION THAT FREQUENT SHORT LECTURES GIVEN IN EVERY SCHOOL ROOM IN ALL SCHOOLS IN THE CITY WOULD BE A VERY GOOD MEANS OF GRADUALLY INFORMING THE PEOPLE OF THE IMPORTANCE OF KEEPING HIGHWAYS CLEAN AND CATCH BASINS FREE OF DEBRIS.

RESPECTFULLY SUBMITTED,

Charles F. McElroy

CHARLES F. MCELROY

DIRECTOR OF PUBLIC WORKS.

CFM:MC.

IN CITY COUNCIL

FEB 5 - 1959

READ:

WHEREUPON IT IS ORDERED THAT
THE SAME BE RECEIVED.

Everett Whelan
CLERK

BUSINESS MANAGEMENT

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, 1958.

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	\$6050.00	\$650.00	-	\$ 5400.00
HIGHWAY PRIVILEGES	1200.00	1165.00	-	35.00
TOTAL BUSINESS-NON-BUSINESS LICENSES	\$7250.00	\$1815.00	-	\$ 5435.00
SPECIAL ASSESSMENTS:				
SEWERS	\$227000.00	\$197913.28	-	\$29086.72
SIDEWALKS AND CURBING	100.00	-	-	100.00
TOTAL SPECIAL ASSESSMENTS	\$227100.00	\$197913.28	-	\$29186.72
DEPARTMENTAL REVENUE:				
SEWAGE PUMPING	-	\$137.10	\$137.10	-
SEWAGE DISPOSAL	-	96.38	96.38	-
GARBAGE COLLECTION AND DISPOSAL	\$8000.00	\$10880.62	2880.62	-
REFUSE COLLECTION AND DISPOSAL	-	665.00	665.00	-
CONSTRUCTION AND MAINTENANCE				
ADMINISTRATION	-	255.00	255.00	-
HIGHWAY	25000.00	23883.89	-	1116.11
BRIDGE MAINTENANCE	-	145.32	145.32	-
FORESTRY	-	153.62	153.62	-
SEWER CONSTRUCTION AND MAINTENANCE	24000.00	30407.97	6407.97	-
DRAW BRIDGES	-	37.16	37.16	-
MUNICIPAL DOCK	200000.00	223038.69	23038.69	-
HARBORS	-	10.08	10.08	-
STREET LIGHTING	-	102.37	102.37	-
TOTAL DEPARTMENTAL REVENUE	\$257000.00	\$289813.20	\$33929.31	\$1116.11
TOTAL STATEMENT	\$491350.00	\$489541.48	\$33929.31	\$35737.83

STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1958.

	PERSONAL SERVICES	OTHER TRAN PERSONAL SERVICES	MATERIALS AND SUPPLIES	SPECIAL ITEMS	EQUIPMENT OUTLAY	STRUCTURES AND IMPROVEMENTS	TOTAL
GENERAL ADMINISTRATION	27041.27	1607.11	58.01	-	-	-	28706.39
BUSINESS MANAGEMENT	33319.96	362.51	474.17	-	82.70	-	34249.34
ENGINEERING OFFICE	130465.61	5948.77	803.02	-	-	-	137217.40
SANITATION DIVISION:							
SANITATION ADMINISTRATION	11201.92	729.00	10.04	-	-	-	11940.96
STREET CLEANING	326646.28	78953.40	2068.24	-	-	-	407667.92
SEWAGE PUMPING STATION	58123.88	989.73	3405.85	-	-	-	62519.46
SEWAGE DISPOSAL	132205.45	22433.48	108168.76	-	-	-	262807.69
GARBAGE COLLECTION AND DISPOSAL	536353.06	240837.00	11817.28	-	-	-	789007.34
REFUSE COLLECTION AND DISPOSAL	99170.81	38791.14	32.09	-	-	-	137994.04
CONSTRUCTION AND MAINTENANCE DIVISION:							
CONSTRUCTION AND MAINTENANCE ADMINISTRATION	7800.92	829.20	-	-	-	-	8638.12
HIGHWAYS	708379.16	195357.93	119989.05	-	-	-	1023726.14
BRIDGE MAINTENANCE	46785.20	3529.23	5090.65	-	-	-	55405.08
SIDEWALK AND CURBING	17550.90	3432.92	859.26	-	-	-	21843.08
FORESTRY	70655.44	18525.73	3875.09	-	835.04	-	93891.30
SNOW REMOVAL	113622.23	69197.45	41292.50	-	-	-	224112.18
SEWER CONSTRUCTION AND MAINTENANCE	320784.87	63630.35	14801.59	-	329.00	-	399545.81
PUBLIC BUILDINGS	72594.89	9854.32	639.64	-	-	-	83088.85
DRAW BRIDGE OPERATION	50697.67	1068.36	373.68	-	-	-	52139.71
MUNICIPAL DOCK	33731.19	7671.91	1690.41	-	-	18235.38	61328.89
HARBOR MASTER	4349.88	165.89	195.16	-	-	-	4710.93
STREET LIGHTING	4241.25	496536.11	3.14	-	-	-	500780.50
TOTAL-PUBLIC WORKS ACTIVITIES	\$2805729.84	\$1260451.54	\$315647.63	-	\$1256.74	\$18235.38	\$4401321.13

THE FOLLOWING SERVICES WERE ALSO RENDERED BY THIS DEPARTMENT

APPLICATIONS RECEIVED

FOR ALTERING DRIVEWAYS	137
CONSTRUCTION OF DRIVEWAYS	183
CURBING RESETS	<u>49</u>
TOTAL APPLICATIONS	369

LICENSES ISSUED

PUSH CARTS	19
SIDEWALK STANDS	58
DRAIN LAYERS LICENSES	6
DRAIN LAYERS LICENSES LIMITED TO SPRINKLER SYSTEMS	<u>1</u>
TOTAL LICENSES	84

PERMITS ISSUED

PUBLIC UTILITIES	269
BLASTING	5
FOR MOVING CUMBERSOME EQUIPMENT, ETC.	22
STREET OPENINGS (WATER SUPPLY BOARD)	217
ORIGINAL PERMITS FOR SEWER CONNECTIONS	208
EXTENSION OF HOUSE DRAINS	350
SIDEWALK OPENINGS FOR WATER SERVICE	9
STREET OPENINGS (OTHER)	<u>254</u>
TOTAL PERMITS	1342

RESPECTFULLY SUBMITTED

JOHN V. DAVIDSON
BUSINESS MANAGER.

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 ENDED SEPTEMBER 30, 1958. 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	\$7808.92
ITEM 1 SERVICES OTHER THAN PERSONAL	829.20
ITEM 2 MATERIALS AND SUPPLIES	—
TOTAL	\$8638.12

REVENUE: \$255.00

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	\$708379.16
ITEM 1 SERVICES OTHER THAN PERSONAL	195357.93
ITEM 2 MATERIALS AND SUPPLIES	119989.05
TOTAL	\$1023726.14

REVENUE: \$23,883.89

STREETS REPAIRED AND SURFACED OR RESURFACED

<u>STREET</u>	<u>FROM</u>	<u>TO</u>
FREEMAN PARKWAY	ARLINGTON AVENUE	ELMGROVE AVENUE
ISABELLA AVENUE	ENFIELD	GENTIAN
RIVER AVENUE	HYMER	DOUGLAS
MARGRAVE AVENUE	BLACKSTONE BLVD.	GROTTO
WAITE STREET	ADMIRAL	GENERAL
BRADLEY STREET	RIVER	SHARON
COIN STREET	SOUTH MAIN	SOUTH WATER
EATON STREET	ELMHURST	DOUGLAS
SILVER STREET	SOUTH MAIN	SOUTH WATER
LENA STREET	JUDITH	TO END
BEVERLY STREET	SABIN	MASON
WILLIAMS STREET	GANO	TO PLAYGROUND
PARKSIDE DRIVE	PARK AVENUE	PARK AVENUE
GROVE STREET	VINTON	TOBEY
TOBEY STREET	WESTMINSTER	BROADWAY
GREENWOOD	ATWELLS	MANTON
PERKINS STREET	PEARL	A STREET
COURTLAND STREET	BROADWAY	GESLER
MARSHALL STREET	WESTMINSTER	BROADWAY
TELL STREET	VINTON	RIDGE
KILLINGLY STREET	HARTFORD	TO CITY LINE
GESLER STREET	VINTON	RIDGE
DAWSON STREET	MARSHALL	COURTLAND
PIERCE STREET	MARSHALL	COURTLAND
BAINDRIDGE AVENUE	WESTMINSTER	BROADWAY
BARTON STREET	WESTMINSTER	BROADWAY
WHITTIER AVENUE	PLAINFIELD	GIFFORD
UNION AVENUE	HUNTINGTON	TO CITY LINE
CUMERFORD STREET	UNION	WALLACE
ALEPPO STREET	MANTON	PELHAM
PRISCILLA AVENUE	UNION	STERLING
MAGNOLIA STREET	WEBSTER	OLNEYVILLE SQUARE
WHITEHALL STREET	UNION	MAGNOLIA
FORD STREET	CRANSTON	DEXTER
ELMDALE AVENUE	TERRACE	PRISCILLA
PROGRESS AVENUE	WEBSTER	TERRACE
PELHAM STREET	ALEPPO	CURTIS
GENTIAN AVENUE	SMITH	TEXAS
WALDO STREET	CRANSTON	UNION
VIEW STREET	WINROOTH	CURTIS
EAGLE STREET	VALLEY	KINSLEY
REGENT AVENUE	RIVER	DAVIS PARK
LYNDHURST AVENUE	EATON	SMITH
PETER STREET	CHARLES	TO END
TERMINAL ROAD	SUN OIL COMPANY	NEW YORK AVENUE
RAVENSWOOD AVENUE	GENTIAN	ARDMORE
QUINCY STREET	EATON	SMITH
MARIETTA STREET	CHARLES	HALL
FORBES STREET	ARDMORE	GENTIAN
ROSLYN AVENUE	EATON	SMITH
ARDMORE AVENUE	SMITH	LOTUS PLACE
WYNDHAM AVENUE	SMITH	PLEASANT VALLEY PARKWAY
TRINIDAD STREET	SHARON	HILLVIEW
LOTUS PLACE	GENTIAN	MODENA
RUSSO STREET	HAWKINS	GREELEY

TYNDALL AVENUE
HANNAH STREET
HAWKINS STREET
AMSTERDAM STREET

EATON
AMSTERDAM
ADMIRAL
STEUBEN

SMITH
AMHERST
HALL
TO END

STREETS STARTED 1956-1957; COMPLETED 1957-1958

WILLIAMS STREET
NAPLES AVENUE
WABUN AVENUE
WOODWARD ROAD

SOUTH MAIN
SHARON
RIVER
MINNESOTA

BENEFIT
ENFIELD
ACADEMY
TO CITY LINE

STREETS STARTED 1957-1958; INCOMPLETE SEPTEMBER 30, 1958

BASSWOOD AVENUE
PINEHURST AVENUE
DEXTERDALE ROAD
HOOKER STREET
STENTON AVENUE
AMOS STREET
EDGEHILL ROAD
ELMCREST AVENUE

MT. PLEASANT
EATON
SUMMIT
ELMCREST
NORTH MAIN
SOUTH MAIN
SUMMIT
MT. PLEASANT

HOOKER
SMITH
NORTH MAIN
BASSWOOD
CAMP
CANAL
NORTH MAIN
NORTH PROVIDENCE LINE

PATCHING AND REPAIRING SUNDRY STREETS

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

MATERIALS USED ON GENERAL PATCHING AND REPAIRING WERE AS FOLLOWS:

READY MIX CONCRETE	22 CU.YDS.	CRUSHED STONE	161 TONS
COLD PATCH	500 TONS	KEROSENE	1000 GALS.
A.C.MIX	1245.49 TONS	SAND	286 TONS
HOT PATCH	453.65 TONS	GRAVEL 1½"	250 TONS

MATERIALS USED ON SURFACING AND RESURFACING WERE AS FOLLOWS:

A.C.MIX	23,177.16 TONS
CEMENT	180 BAGS
CRUSHED STONE 2"	788.05 TONS
KEROSENE	7,746 GALS.
SAND	1,000 TONS
GRANITE CURB 10' RADIUS	15 FEET
GRANITE CURB 7' RADIUS	238 FEET

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

CEMENT	820 BAGS
GRAVEL 1½"	350 TONS
SAND	493 TONS
A.C.MIX	103.35 TONS

DRIVEWAYS AND CURBING

DRIVEWAYS ALTERED	2	2' CIRCULAR CORNERS SET	507
DRIVEWAYS CONSTRUCTED	307	S.B. CORNERS SET	93
DRIVEWAYS WIDENED	51	7" CURB SET	90 Ft.
DRIVEWAYS CLOSED	15	CURB SET AND RESET	17,730 Ft.
DRIVEWAYS RELOCATED	12	20' RADIUS	22 Ft.

MISCELLANEOUS WORK

FOLLOWING IS A LIST OF DIVISIONS 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 DEPARTMENTS, CHAPIN HOSPITAL, RHODE ISLAND HOSPITAL, MUNICIPAL GARAGE AND TRAFFIC ENGINEER.

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 PLAYGROUNDS, 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, FIELDS POINT, AND MANTON AVENUE DUMPS.
3. GRADED DUMPS AT FIELDS POINT, GANO STREET, MOUNT PLEASANT AVENUE, SMITH STREET AND MANTON AVENUE.
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. WORKED ON THE REMOVAL OF LARGE SAND HILL ON LAND LEASED BY SUN OIL COMPANY AT FIELDS POINT.
10. MOVED AND PUT IN STORAGE THE PERSONAL BELONGINGS AND FURNITURE OF MANY FAMILIES EVICTED BY THE COURTS AND BEING HELPED BY THE WELFARE DEPARTMENT.
11. SURFACED SHIPYARD STREET IN NEW LOCATION IN HARBORSIDE INDUSTRIAL PARK.
12. BUILT SERVICE ROAD AT THE MUNICIPAL DOCK.
13. REPAIRED 290 SIDEWALKS DAMAGED BY REMOVAL OF DISEASED DUTCH ELM TREES.
14. REMOVED JUNK, OLD BRICK, AND OTHER DEBRIS FROM BOILER ROOM AT THE CHAPIN HOSPITAL.
15. REPAIRED TWO OPENINGS CAUSED BY WATER BREAKS IN ALLENS AVENUE AND ONE IN EDDY STREET IN CONJUNCTION WITH WATER DEPARTMENT.
16. BUILT NEW ASPHALT ROADWAY ON POINT STREET BRIDGE.

17. RELOCATED CURB CORNER AND CHANGED RADIUS ON CORNER OF SABIN AND FOUNTAIN STREETS DUE TO CONSTRUCTION OF PROVIDENCE JOURNAL BUILDING ANNEX.

LANS. AND GRASS PLATS

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

EIGHTH STREET AND LORIMER AVE.
SLATER AVE. AND GOLDSMITH ST.
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	\$46,785.20
ITEM 1 SERVICES OTHER THAN PERSONAL	3,529.23
ITEM 2 MATERIALS AND SUPPLIES	<u>5,090.65</u>
TOTAL	\$55,405.08

REVENUE: \$145.32

THERE ARE 57 CITY-OWNED BRIDGES, OF WHICH THE FOLLOWING 14 REQUIRED WORK THIS YEAR:

ACORN STREET BRIDGE	MERINO BRIDGE (GLENBRIDGE AVE.)
HARRIS AVE. OVERPASS	MERINO PARK FOOTBRIDGE
PLAINFIELD ST. OVERPASS	NASH LANE BRIDGE (PETTIS ST.)
MAGNOLIA ST. OVERPASS	PARK ST. BRIDGE
POINT ST. BRIDGE	RED BRIDGE
ROGER WILLIAMS AVE. BRIDGE	POINT ST. VIADUCT
DELAINE ST. BRIDGE	CEMETERY BRIDGE

THE FOLLOWING WORK WAS ALSO DONE:

1. REPAIRED SIDEWALKS ON THE FOLLOWING BRIDGES: RED, POINT, GLENBRIDGE AVE., ROGER WILLIAMS AVE., PARK ST., LIVINGSTONE ST., AND ACORN STREET.
2. REBUILT ROADWAYS ON POINT ST., DELAINE ST., ACORN ST., LIVINGSTONE ST., AND PARK ST. BRIDGES.
3. REPAIRED LELAND STREET AND MERINO PARK FOOTBRIDGES.
4. CAULKED AND PAINTED BOATS FOR RED BRIDGE AND BRIDGE MAINTENANCE SECTION.
5. BUILT NEW FENCE AT END OF TORONTO AVENUE.
6. RENOVATED SUPERINTENDENT'S HOUSE AT RED BRIDGE.
7. REPAIRED FENCES AT FOX POINT PLAYGROUND.
8. REBUILT FENCE ACROSS POND AT NEW DUMP - MANTON AVENUE.

9. REPAIRED STOVES AND DOORS TO OPERATING HOUSE AT RED AND POINT ST. BRIDGES.
10. REPAIRED HARBORMASTER'S BUILDING.
11. REPAIRED FENCE ALONG RAILROAD ON WEST EXCHANGE STREET BETWEEN ATWELLS AVENUE AND ACORN STREET.
12. REBUILT REMAINING SECTION OF PARK STREET BRIDGE REPLACING THE LAST OLD STRINGERS.
13. REPAIRED THREE STEEL EXPANSION JOINTS ON ROBERTS EXPRESSWAY; ALSO THE EXPANSION JOINTS ON THE BRIDGES OVER THE EXPRESSWAY ON BOTH WESTMINSTER STREET AND BROADWAY.
14. REPAIRED BREAK IN FENCE AT RED BRIDGE DAMAGED BY AUTOMOBILES.
15. REPAIRED EXPANSION JOINT ON RESERVOIR AVENUE RAILROAD BRIDGE.
16. REPAIRED TWO EXPANSION JOINTS ON POINT STREET VIADUCT.

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	\$17,550.90
ITEM 1 SERVICES OTHER THAN PERSONAL	3,432.92
ITEM 2 MATERIALS AND SUPPLIES	859.26
TOTAL	<u>\$21,843.08</u>

REVENUE: SIDEWALK CONTRACTORS LICENSES \$650.00

THE OPERATIONS OF THE SECTION WERE AS FOLLOWS:

SIDEWALK CONTRACTORS' LICENSES ISSUED	66
NOTICES SERVED TO BUILD OR REPAIR	223
BUILT OR REPAIRED	145
PERMITS TO BUILD OR REPAIR	561
SEWER OPENINGS INSPECTED	138
DRIVEWAYS INSPECTED	225
MEMORIAL SQ. SIGNS REPAINTED AND RELETTERED	36
MEMORIAL SQUARES APPROVED BY COUNCIL	1
STREET NAMES CHANGED BY COUNCIL	2
STREETS ABANDONED BY COUNCIL AND SIGNS ERECTED	38
WASHOUT DEPRESSIONS INSPECTED	180
SIDEWALK CLAIMS INVESTIGATED	31
STREET SIGNS REPAINTED AND RELETTERED	170
POLE OPENINGS INSPECTED	193
TOTAL LIN.FT. OF TAR CONCRETE SIDEWALKS BUILT	22,021
TOTAL LIN.FT. OF CEMENT CONCRETE SIDEWALKS BUILT	16,943

THIS SECTION MADE A SURVEY OF ALL SIDEWALKS IN CONJUNCTION WITH THE ROAD BUILDING PROGRAM ON THE FOLLOWING STREETS:

WICKENDEN STREET
JACKSON STREET
RESERVOIR AVENUE

EXCHANGE TERRACE
HOSPITAL STREET
CHESTNUT STREET

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	\$70,655.44
ITEM 1 SERVICES OTHER THAN PERSONAL	18,525.73
ITEM 2 MATERIALS AND SUPPLIES	3,875.09
ITEM 5 CAPITAL OUTLAY	835.04
TOTAL	<u>\$93,891.30</u>

REVENUE: \$153.62

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	27,234
MAPLE TREES (ALL TYPES)	20,651
ELM TREES	4,746
OAK TREES (ALL TYPES)	539
MISCELLANEOUS (ALL OTHER TREES)	1,298

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%	23,176
TREES OVER 50 FEET TALL	4.2%	1,144
TREES UNDER 25 FEET TALL	10.7%	2,914

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.

498 DISEASED ELM TREES WERE CONDEMNED AND REMOVED THIS YEAR. 290 OF THESE TREES WERE ON CITY STREETS AND 208 ON PRIVATE PROPERTY. THE FORESTRY SECTION REMOVED 96 TREES AND THE REMAINDER WAS TAKEN DOWN UNDER PRIVATE CONTRACT.

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

FORESTRY SECTION	96
BRITE VIEW NURSERY	208
ACE TREE COMPANY	<u>194</u>
TOTAL	498

, 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 TREES IN THE NURSERY.

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

NUMBER OF TREES PRUNED (REGULAR)	1,887
NUMBER OF TREES REMOVED (REGULAR)	706
NUMBER OF TREES SPRAYED	5,767
NUMBER OF TREES PLANTED	568

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:

10,690 TONS OF SAND 1,000 TONS OF SALT

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$113,622.23
ITEM 1 SERVICES OTHER THAN PERSONAL	69,197.45
ITEM 2 MATERIALS AND SUPPLIES	<u>41,292.50</u>
TOTAL	\$224,112.18

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	\$320,784.87
ITEM 1 SERVICES OTHER THAN PERSONAL	63,630.35
ITEM 2 MATERIALS AND SUPPLIES	14,801.59
ITEM 5 CAPITAL OUTLAY	<u>329.00</u>
TOTAL	\$399,545.81

REVENUE: \$30,407.97

MAINTENANCE AND CONSTRUCTION WORK PERFORMED

MANHOLES REPAIRED	16
CHUTES REPAIRED AND REBUILT	40
CATCH BASINS REPAIRED	16
BROKEN INLET STONES REPLACED	30
INLET STONES REPAIRED	2
GUTTER GRATES REPAIRED	1
BROKEN MANHOLE COVERS REPLACED	16
CATCH BASIN COVERS REPLACED	23

BASINS REMODELED	2
SEWER LINES REPAIRED	14
GUTTER GRATES REMODELED	1
BROKEN GUTTER GRATES REPLACED	6
BROKEN CHUTE CORNERS REPLACED	3
GUTTER GRATES AND FRAMES REPLACED	1
MANHOLE FRAMES REPLACED	1
HOUSE CONNECTIONS REPAIRED	1
CHUTE CONNECTIONS REPAIRED	3

OTHER CONSTRUCTION AND MAINTENANCE WORK PERFORMED

1. ROGER WILLIAMS PARK - INSTALLED NEW 100 FT. 20" LINE AND 100 FT. 10" LINE, AND BUILT MANHILES TO ELIMINATE FLOOD CONDITIONS.
2. LABAN AND GIFFORD STREETS - BUILT NEW CENTER BASIN, 2 GUTTER GRATE CHUTES AND CONNECTIONS TO ELIMINATE FLOOD CONDITIONS.
3. NO. 923 NORTH MAIN STREET - REMODELED AND BUILT TWO NEW GUTTER GRATES AND CONNECTIONS TO BASINS.
4. REMODELED BASIN, MADE NECESSARY BECAUSE OF INSTALLATION OF NEW DRIVEWAY BY LYING-IN HOSPITAL
5. PRINTERY STREET - IN CONJUNCTION WITH THE WEST RIVER INDUSTRIAL REDEVELOPMENT PROJECT, REMODELED, REBUILT AND REINFORCED MANHOLE FROM 15 FT. TO 29 FT. DEPTH.
6. TERMINAL ROAD - IN CONJUNCTION WITH HIGHWAY PROGRAM, RESET ONE INLET TO GRADE, RELAID 16 FT. OF LINE AND BUILT ONE NEW CHUTE.
7. S.W. CORNER STANFORD AND ASH STREETS - IN CONJUNCTION WITH THE ABANDONING OF OLD BASIN ON ASH STREET, BUILT AND RELOCATED ONE NEW BASIN.
8. TERMINAL ROAD - IN CONJUNCTION WITH HIGHWAY ROAD PROGRAM, BUILT FOUR NEW CATCH BASINS AND FIVE GUTTER GRATE BOXES WITH 100 FT. OF 8" CONNECTION.
9. ALEPPO STREET - REMODELED ONE CATCH BASIN IN DRIVEWAY AND BUILT NEW GUTTER GRATE BOX.
10. REAR OF INCINERATOR - FLUID LEVEL OF GRIT CHAMBERS (DETRITORS) RAISED 3 FT.; AND IN ORDER FOR INCINERATOR TO TAKE CARE OF CHANGED CONDITIONS IT BECAME NECESSARY TO INSTALL A NEW 12" STORM LINE 153 FT. LONG, AND BUILD TWO NEW MANHOLES; ALSO, INSTALLED TWO 12" LATERAL LINES 106 FT. LONG AND BUILT TWO NEW MANHOLES TO CONNECTION WITH SAME.
11. PROVIDENCE FIRE DEPARTMENT TRAINING AREA - BUILT NEW GRATE CHUTE AND CONNECTION IN ORDER TO ALLEVIATE FLOOD CONDITIONS IN THAT AREA.
12. EDDY AND ELM STREETS - REPAIRED 15 FT. OF 15" PIPE AT SUMP AT THIS LOCATION, DUE TO COLLAPSE IN LINE. TAPERED BRICK SEWER LINE COLLAPSED WHICH NECESSITATED REPLACING OF SAME WITH 15" LINE.
13. OLNEYVILLE SQUARE - PUMPED OUT AREA DUE TO INUNDATION CAUSED BY MAJOR BREAK IN WATER MAIN. ALSO, CLEANED OUT MORE THAN 250 FT. OF SANITARY SEWER.
14. INDIA STREET SUMP - (MAIN BUILDING) ERECTED TWO WOODEN PLATFORMS, REPLACED TWO STEEL GIRDERS AND POINTED UP BRICK WORK.
15. MAWNEY AND BUCKLIN STREETS - LAID NEW 8" LINE WITH CONNECTIONS.

16. DEXTER STREET - CLEANED 225 FT. OF SEWER LINE, REMOVED 14 YARDS OF SAND AND GRAVEL AT THIS LOCATION, FROM HUNTINGTON AVENUE TO SUMP - AND BUILT NEW MANHOLE.
17. CRARY STREET SYPHON HOUSE - MADE GENERAL REPAIRS. (THIS WORK STARTED IN 1956-57 FISCAL YEAR AND COMPLETED OCTOBER 1957.
18. ELMCROFT STREET - LAID NEW 6" CONNECTION TO CURB.
19. MADE PERIODIC CHECK AND MEASUREMENTS TO DETERMINE AMOUNT OF FLOW OF SEWAGE FROM THE NORTH PROVIDENCE SEWER SYSTEM.
20. PERIODICALLY INSPECTED AND CLEANED CULVERTS AT GARFIELD BROOK, MASHPAUG POND, YORK POND, OPHELIA BROOK AND KILLINGLY BROOK.

REPORT ON OIL AND GASOLINE INSPECTIONS

THIS PERTAINS TO FLOOR DRAINS IN SERVICE STATION, FACTORIES, AND OTHER PLACES OF BUSINESS.

OUR INSPECTOR MADE 2409 VISITS AND DISCOVERED VERY FEW INFRACTIONS; AND SUCH DEFICIENCIES WERE QUICKLY CORRECTED AFTER NOTIFICATIONS WERE GIVEN TO MAKE NECESSARY IMPROVEMENTS.

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

<u>ITEM</u>	<u>NUMBER</u>	<u>CU. YDS. REMOVED</u>	<u>NO. FEET FLUSHED</u>
BASINS INSPECTED	28,000	-	-
BASINS CLEANED	9,057	22,411.73	-
SUMPS CLEANED	65	248.50	-
GUTTER GRATES CLEANED	965	578.66	-
OPEN DRAINS CLEANED	7	55.00	-
LINES FLUSHED	-	-	31,360
COMPLAINTS RECEIVED (ALL CLEARED)	1,540		

PRIVATE DRAIN INSPECTIONS

STREET OPENINGS FOR PRIVATE DRAIN CONNECTIONS - 114

INSPECTIONS AND RECORD SKETCHES FOR PRIVATE DRAIN CONSTRUCTIONS AND ALTERATIONS:

ORIGINAL - 208

EXTENSIONS - 358

WORK PERFORMED IN CONJUNCTION WITH HIGHWAY SECTION

BASINS BROUGHT TO NEW GRADE	14
MANHOLES BROUGHT TO NEW GRADE	510
CHUTES SET TO NEW GRADE	1
GUTTER GRATES SET TO NEW GRADE	2

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	\$72,594.89
ITEM 1	SERVICES OTHER THAN PERSONAL	9,854.32
ITEM 2	MATERIALS AND SUPPLIES	<u>639.64</u>
	TOTAL	\$83,088.85

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 DEPARTMENT, RECREATION DEPARTMENT, TRAFFIC ENGINEERS DEPARTMENT, WELFARE DEPARTMENT, BATH HOUSES, COMFORT STATIONS, AND CITY HALL.
2. SUPERVISED CONSTRUCTION OF NEW SOUTH PROVIDENCE ELEMENTARY SCHOOL.
3. SUPERVISED CONSTRUCTION OF GYMNASIUM AND POOL AT JOSLIN AND HYAT STREETS.
4. SUPERVISED CONSTRUCTION OF JOSLIN STREET ELEMENTARY SCHOOL.
5. SUPERVISED CONSTRUCTION OF SOUTH PROVIDENCE PLAYFIELD.
6. SUPERVISED PLANS AND THE CONSTRUCTION OF THE JOSLIN STREET PLAYGROUND.
7. PREPARED SPECIFICATIONS FOR FURNISHINGS AND EQUIPMENT FOR NEW SOUTH PROVIDENCE SCHOOL.
8. SUPERVISED PREPARATION OF PLANS AND SPECIFICATIONS AND INSPECTED THE WORK BEING DONE UNDER THE SCHOOL MODERNIZATION PROGRAM.
9. SUPERVISED PREPARATION OF PLANS AND SPECIFICATIONS FOR MODIFICATION OF THE OPERATING FACILITIES AT THE CHARLES V. CHAPIN HOSPITAL.
10. PREPARED PLANS AND SPECIFICATIONS FOR NEW INCINERATOR OF POLICE AND FIRE HEAD-QUARTERS BUILDING.
11. PREPARED SPECIFICATIONS AND SUPERVISED DEMOLITION OF SOMERSET STREET SCHOOL AND SCHOOL ADMINISTRATION BUILDING ON SUMMER STREET.
12. PREPARED PLANS AND SPECIFICATIONS AND SUPERVISED WORK FOR THE REHABILITATION OF THE OLD SCHOOL ON FRIENDSHIP STREET FOR USE OF THE PUBLIC WELFARE DEPARTMENT.
13. PREPARED PLANS AND SPECIFICATIONS FOR REBUILDING THE HEATING PLANT AT THE GREENHOUSE, ROGER WILLIAMS PARK.

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	\$50,697.67
ITEM 1	SERVICES OTHER THAN PERSONAL	1,068.36
ITEM 2	MATERIALS AND SUPPLIES	<u>373.60</u>
	TOTAL	\$52,139.71

REVENUE: \$37.16

POINT STREET BRIDGE WAS PLACED ON A LIMITED OPENING BASIS ON MAY 10, 1958. THE OPERATING PERSONNEL AND THE ELECTRIC POWER METER WERE REMOVED AT THAT TIME. REQUESTS TO HAVE THE BRIDGE OPENED FOR WATER TRAFFIC MUST BE MADE 24 HOURS IN ADVANCE SO THAT AN OPERATING CREW CAN BE OBTAINED AND A POWER METER INSTALLED. THE BRIDGE HAS ONLY MADE SIX OPENINGS DURING THIS FISCAL YEAR.

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

SUMMARY OF OPERATIONS FOR YEAR ENDED SEPTEMBER 30, 1958. ENDED SEPTEMBER 30, 1957.

	STEAMERS	TUGS	SAIL BOATS	BARGES	MISCELLANEOUS	TOTAL NUMBER OF VESSELS YR. 1957-58	TOTAL OPENINGS YEAR 1957-1958	AVERAGE TIME OPENING TO CLOSE OF GATES (MINUTES)	TOTAL NO. VESSELS YEAR 1956-57.	TOTAL OPENINGS YEAR 1956-57	AVERAGE TIME OPENING TO CLOSE OF GATES (MINUTES)
<u>POINT STREET BRIDGE</u>											
OCTOBER		4		2	6	4	4.38		0	0	
NOVEMBER					0	0			4	3	4.50
DECEMBER					0	0			6	4	2.87
JANUARY					0	0			0	0	
FEBRUARY					0	0			0	0	
MARCH					0	0			0	0	
APRIL					0	0			0	0	
MAY					0	0			3	2	6.25
JUNE					0	0			3	2	5.00
JULY					0	0			0	0	
AUGUST					0	0			0	0	
SEPTEMBER		2		1	3	2	7.50		0	0	
		6		3	9	6			16	11	
<u>RED BRIDGE</u>											
OCTOBER	17	44		16	2	79	52	4.20	79	64	4.26
NOVEMBER	21	59		24	1	105	68	4.14	125	80	4.10
DECEMBER	23	64		22	1	110	70	4.01	94	60	4.60
JANUARY	22	74		34		130	78	4.87	162	111	4.50
FEBRUARY	26	85		36		147	79	4.76	139	86	4.30
MARCH	8	49		30		95	56	4.07	130	83	4.28
APRIL	22	50		29		109	68	4.47	93	61	4.15
MAY	25	30	1	8	2	66	48	4.58	64	47	4.40
JUNE	14	32		21		67	43	3.79	73	49	4.30
JULY	18	18		10		46	32	4.30	69	53	4.50
AUGUST	24	18		4		46	40	3.41	105	79	3.74
SEPTEMBER	30	32	1	12	1	76	46	4.76	56	44	3.80
	254	563	2	254	7	1075	600		1189	817	

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	RED	YEAR	POINT STREET	RED
	BRIDGE	BRIDGE		BRIDGE	BRIDGE
1907	25,949	2,632	1932-33	1,327	2,787
1908	21,767	4,852	1933-34	1,990	3,758
1909	17,120	6,914	1934-35	1,387	2,454
1910	17,125	2,927	1935-36	1,468	2,150
1911	20,078	3,293	1936-37	1,368	2,130
1912	21,519	3,021	1937-38	1,136	1,913
1913	15,113	2,734	1938-39	1,676	2,187
1914	13,364	2,491	1939-40	1,299	3,431
1915	14,409	2,755	1940-41	1,066	2,420
1916	11,630	3,360	1941-42	1,205	1,722
1917	9,704	3,273	1942-43	1,263	1,087
1918	6,894	2,680	1943-44	1,487	2,262
1919	7,123	3,476	1944-45	1,233	1,319
1920	6,950	4,451	1945-46	1,078	1,828
1921	6,867	2,001	1946-47	936	1,640
1922	5,307	2,950	1947-48	1,010	1,541
1923	5,476	5,134	1948-49	666	2,130
1924	4,858	2,035	1949-50	638	1,609
1925	4,939	1,942	1950-51	371	1,973
1926	5,198	2,415	1951-52	125	1,628
1927	4,700	2,934	1952-53	202	1,752
1928	4,679	3,912	1953-54	51	2,787
1929	4,068	3,623	1954-55	883	1,313
1929-30	3,210	2,738	1955-56	141	1,536
1930-31	3,243	2,742	1956-57	16	1,189
1931-32	1,197	1,900	1957-58	9	1,076

BRIDGE	GREATEST NUMBER OF OPENINGS IN ANY ONE DAY.		DAILY AVERAGE NUMBER OF OPENINGS FOR THE YEAR.	
	1956-57	1957-58	1956-57	1957-58
RED	9	10	2.24	1.86
POINT STREET	2	2	0.03	0.016

STREET LIGHTING SECTION

THIS SECTION IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE ELECTRIC LIGHTING FACILITIES FOR THE STREETS, BRIDGES, SUBWAYS AND PARKS OF 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, 1958 WAS \$488,743.00.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$4,241.25
ITEM 1 SERVICES OTHER THAN PERSONAL	496,536.11
ITEM 2 MATERIALS AND SUPPLIES	3.14
TOTAL	\$500,780.50

REVENUE: \$102.37

STREET LIGHTING COSTS:

INCANDESCENTS AND MERCURYS

<u>1957</u>	<u>TOTAL BILL</u>	<u>LESS OUTAGE</u>	<u>NET COST</u>
OCTOBER	\$41,432.68	\$57.50	\$41,375.18
NOVEMBER	41,452.68	72.69	41,379.99
DECEMBER	41,562.49	1159.13	41,403.36
<u>1958</u>			
JANUARY	41,579.80	128.61	41,451.19
FEBRUARY	41,536.82	63.10	41,473.72
MARCH	41,540.91	*1,707.14	39,841.77
APRIL	41,535.89	75.26	41,460.63
MAY	41,520.90	35.84	41,485.06
JUNE	41,458.32	42.01	41,416.31
JULY	41,420.99	25.64	41,395.35
AUGUST	41,492.87	57.54	41,435.33
SEPTEMBER	41,504.47	90.91	41,413.56
	\$498,046.82	\$2,515.37	\$495,531.45

*STORM CREDIT

BASED ON ANNUAL FUEL CLAUSE PER CITY CONTRACT AND 4001.5 HRS. PER YEAR. THE CIRCUIT AND PARTS OF CIRCUIT OUTAGES FROM THE 20TH TO THE 20TH WERE FIGURED BY MR. C.K.DAVIES AND HIS ENGINEERING AND ACCOUNTING STAFF OF THE NARRAGANSETT ELECTRIC CO.

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, 1957, DEPENDED UPON THE COST OF FUEL FOR THE YEAR ENDING JULY 31, 1958. THIS COST AVERAGED 14.47, 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, 1958, IS AS FOLLOWS:

	ANNUAL INCREASE PER 10¢				
	INCREASE IN COST OF FUEL ABOVE \$8.00 BASE	NO. OF 10¢ ABOVE \$8.00 BASE	INCREASE OVER BASE PRICE	BASE PRICE	NEW PRICE
<u>INCANDESCENT 100 CP.</u>					
U.G. ALL NIGHT	.025	64	\$1.60	\$20.03	\$29.63
U.G. 2 LT. CLUSTER A.N.	.05	64	3.20	37.57	40.77
U.G. 5 LT. CLUSTER A.N.	.125	64	8.00	66.02	74.02
U.G. SINGLE, ½ NIGHT	.012	64	.77	24.61	25.38
U.G. 2 LT. ½ NIGHT	.024	64	1.54	30.72	32.26
U.G. 3 LT. ½ NIGHT	.036	64	2.30	37.33	39.63
U.G. 5 LT. ½ NIGHT	.06	64	3.84	48.89	52.73
AERIAL SINGLE, A.N.	.025	64	1.60	15.00	16.60
AERIAL SINGLE, ½ NIGHT	.012	64	.77	9.90	10.67
<u>MISCELLANEOUS</u>					
250 C.P.U.G.A.N.	.05	64	3.20	50.00	53.20
250 C.P. AERIAL, A.N.	.05	64	3.20	30.00	33.20
1000 C.P. AERIAL, A.N.	.18	64	11.52	65.00	76.52
1000 C.P.U.G.A.N.	.18	64	11.52	85.00	96.52
1000 C.P.U.G. ½ NIGHT	.096	64	6.14	68.37	74.51
10,000 LUMEN SODIUM, U.G.	.048	64	3.07	85.00	88.07
10,000 LUMEN SODIUM, O.H.	.048	64	3.07	65.00	68.07
600 C.P. INCANDESCENT, O.H.	.072	64	4.61	50.00	54.61
600 C.P. INCANDESCENT, U.G.	.072	64	4.61	70.00	74.61
15,000 LUMEN MERCURY, O.H.	.18	64	11.52	65.00	76.52
15,000 LUMEN MERCURY, U.G.	.18	64	11.52	85.00	96.52
15,000 LUMEN MERCURY U.G. 2 LT.	.36	64	23.04	152.00	175.04
15,000 LUMEN MERCURY UNDERPASSES 24 HR.	.394	64	25.23	107.23	123.58
21,000 LUMEN O.H.	—	—	—	100.00	100.00
21,000 LUMEN U.G.	—	—	—	120.00	120.00

MALL PARKING DECK LIGHTS
1 FRANCIS STREET

THE LIGHTS UNDER THE MALL PARKING DECK ARE CHARGED TO THE GENERAL STREET LIGHTING ACCOUNT AT THE CURRENT "G" SCHEDULE RATE PER KWH. THEY ARE ON A CIRCUIT, SEPARATELY-METERED, AND DO NOT APPEAR ON THE REGULAR SCHEDULE.

<u>NO. OF LIGHTS</u>	<u>TYPE OF LIGHT</u>	<u>HOURS OF BURNING</u>
12 U.G.	20,000 LUMEN M.V.	24 HOURS
14 U.G.A.N.	20,000 LUMEN M.V.	PREDETERMINED FT. CANDLE LEVEL
18 U.G.A.N.	2,500 LUMEN INC.	PREDETERMINED FT. CANDLE LEVEL

THE 6 U.G.A.N. 20,000 LUMEN M.V. LIGHTS ON THE TOP DECK ARE SEPARATELY METERED AND CHARGED TO THE OWNERS OF THE PARKING DECK.

<u>MONTHLY CHARGES</u>		
<u>MONTH</u>	<u>K.W. USED</u>	<u>BILL</u>
JULY, 1958	5960 K.W.	\$123.55
AUGUST, 1958	5360 K.W.	\$105.97
SEPTEMBER, 1958	5200 K.W.	\$103.76
		\$333.28

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

YEAR	<u>ARCS</u>		<u>INCANDESCENTS</u>					<u>SODIUM</u>		<u>MERCURY</u>	
	BRIDGE										
	STRUCTURE 6.6" 5.5A										
	24 HR.	LUM.	100 CP	250 CP.	400 CP.	750W	300W	1000 CP	600 CP	1000 CP	400W
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
1958	44	0	8192	484	0	0	0	349	29	25	3570

SCHEDULES OF STREET LIGHTING DATA

	<u>O.H.</u>	<u>A.N.</u>	<u>U.G.A.N.</u>	<u>1000 CP.</u>	<u>O.H.A.N.</u>
	<u>600 CP</u>			<u>U.G.H.N.</u>	
OCTOBER 1, 1957	29		360	3	28
SEPTEMBER 30, 1958	29		319	3	27
CHANGES	0		41	0	1

	<u>U.G. INCANDESCENT CLUSTERS</u>				<u>MERC. MERC.</u>		<u>MERC.</u>	<u>SODIUM LIGHTS</u>	
	<u>2 LT. CL.</u>	<u>3 LT. CL.</u>	<u>5 LT. CL.</u>	<u>2 LT. VAP</u>	<u>2 LT. VAP</u>	<u>A.N.</u>	<u>UG</u>	<u>AN</u>	<u>OH AN</u>
	<u>H.N.</u>	<u>H.N.</u>	<u>A.N.</u>	<u>H.N.</u>	<u>AM</u>	<u>UG</u>	<u>OH</u>	<u>U.G.</u>	
OCTOBER 1, 1957	2	4	1	1	7	2112	1389	22	3
SEPTEMBER 30, 1958	2	4	1	1	7	2121	1442	22	3
CHANGES	0	0	0	0	0	9	53	0	0

	<u>100CP.</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, 1957	156	232	7843-B	9	44	479
SEPTEMBER 30, 1958	156	232	7787	9	44	474
CHANGES	0	0	56	0	0	5

SEPTEMBER 30, 1957 SEPT. 30, 1958 CHANGES

TOTAL NUMBER EQUIVALENT SINGLE INCANDESCENT LIGHTS	9157	9054	103
TOTAL NUMBER MERCURY LIGHTS 15,000 LUMEN	3545	3614	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 1-15000 LUMEN MERCURY OF WHICH ONE-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

THESE RATES ARE AFFECTED ONLY WHEN THE COST OF FUEL EQUALS OR EXCEEDS THE ABOVE AMOUNT PER GROSS TON. THIS CONDITION EXISTED THROUGHOUT THE YEAR.

THE COST OF FUEL BY MONTH WAS AS FOLLOWS:

1957	
OCTOBER	\$14.56
NOVEMBER	14.58
DECEMBER	14.58
1958	
JANUARY	14.56
FEBRUARY	14.50
MARCH	14.47
APRIL	14.48
MAY	14.51
JUNE	14.10
JULY	14.00
AUGUST	14.21
SEPTEMBER	14.20

THE ABOVE FIGURES SHOW THAT THE AVERAGE PRICE PER TON FOR THE YEAR WAS \$14.40 PER TON.

THE NUMBER OF LAMPS AND GLOBES REPORTED AS BROKEN ON STREET LIGHTS DURING THE YEARS 1956, 1957 AND 1958 WERE AS FOLLOWS:

	<u>INC. AND MERCURY GLOBES</u>	<u>LIGHTS BROKEN</u>	<u>MERC. GLOBES</u>
1956-57	17	3752	63
1957-58	30	3635	50

RECAPITULATION

GRAND TOTAL	\$495,531.45
TOTAL MONTHLY AVERAGE COST 1956-57	39,855.44
TOTAL MONTHLY AVERAGE COST 1957-58	41,294.28

INCREASE FROM PREVIOUS YEAR OF THE TOTAL COSTS OF STREET LIGHTING	\$17,266.17
TOTAL SAVINGS IN OUTAGES	2,515.37

<u>NEW STREET LIGHT PETITIONS RECEIVED:</u>	<u>GRANTED</u>	<u>REJECTED</u>
48	46	2

UTILITY POLE PETITIONS RECEIVED AND FIELD CHECKED: 350

SUMMARY

69 - 15,000 LUMEN MERCURY VAPOR LIGHTS HAVE BEEN PUT INTO SERVICE IN PUBLIC PLACES DURING THE FISCAL YEAR. THERE ARE NOW 3,570 SUCH LIGHTS IN PUBLIC USE IN THE CITY.

THE NUMBER OF 2500 LUMEN INCANDESCENT LIGHTS HAVE BEEN DECREASED BY 5, BRINGING THE TOTAL NUMBER OF THIS TYPE OF LIGHT NOW IN USE TO 404.

THERE ARE 349 - 10,000 LUMEN LIGHTS IN SERVICE IN THE CITY, AND WILL BE REPLACED WITH 15,000 LUMEN MERCURY VAPOR LIGHTS IN THE NEAR FUTURE.

THERE ARE 8192 - 1000 LUMEN LIGHTS IN SERVICE (FAMILIAR NEIGHBORHOOD TYPE). THIS TYPE SHOWS A DECREASE OF 56 LIGHTS OVER THE TOTAL FOR THE PREVIOUS YEAR. THERE HAVE BEEN 40 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 COSTS AND THE PURCHASE COSTS OF EQUIPMENT FOR THESE SECTIONS.

A DETAILED RESUME OF THE ACTIVITIES OF EACH SECTION IS AS FOLLOWS:

CONSTRUCTION AND MAINTENANCE SHOPS AND STORES

THIS SECTION HAS NO BUDGET ALLOWANCE. ALL EXPENSES FOR LABOR AND MATERIALS ARE PAID FOR WITH THE MONEY RECEIVED FROM THE EQUIPMENT RENTALS, AND FROM STOCK AND JOB ORDERS TOGETHER WITH THE INITIAL CAPITAL APPROPRIATED.

THIS SECTION IS RESPONSIBLE FOR PROCURING, SERVICING, MAINTAINING AND REPAIRING ALL EQUIPMENT, MATERIALS, AND SUPPLIES REQUIRED BY THE FOLLOWING SECTIONS AND DIVISIONS:

PUBLIC WORKS ADMINISTRATION	BRIDGE MAINTENANCE SECTION
PUBLIC SERVICE ENGINEER	SNOW REMOVAL SECTION
ENGINEERING OFFICE	FORESTRY SECTION
BUSINESS MANAGEMENT OFFICE	SIDEWALKS AND CURBING SECTION
HIGHWAY SECTION	PUBLIC BUILDINGS SECTION
DRAW BRIDGE OPERATION SECTION	STREET CLEANING SECTION
STREET LIGHTING SECTION	FAMILY RELOCATION SERVICE

ALL AUTOMOTIVE AND MOBILE OR PORTABLE CONSTRUCTION AND MAINTENANCE EQUIPMENT USED BY THE ABOVE AGENCIES IS OBTAINED FROM THIS SECTION AND PAID FOR ON A RENTAL BASIS.

A LIST OF THE AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

2 TANK TRUCKS	1 HOIST TRUCK 5000#
2 COMPRESSORS, TRUCK MOUNTED	2 BULLDOZERS TD 18
33 DUMP TRUCKS 4 CU.YDS.	1 SKY WORKER
6 DUMP TRUCKS 6 CU.YD.	1 WELDER, ELECTRIC PORTABLE
5 DUMP TRUCKS 3 CU.YDS.	2 SHOVELS 3/4 CU.YD.
3 PICKUP TRUCKS 3/4 TON	5 ROAD GRADERS
1 STAKE BODY TRUCK 1 TON	2 MIST SPRAYERS
1 PANEL TRUCK 1/2 TON	2 CONCRETE MIXERS 3 6
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 8	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	5 TOOL WAGONS

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:

1 STATION WAGON	4 DUMP TRUCKS 4 CU.YDS.
1 FORK LIFT	2 SWEEPERS
4 TOOL WAGONS	1 DUMP TRUCK 3 CU.YDS.
1 PANEL TRUCK 1/2 TON	1 EXPRESS BODY TRUCK 2 1/2 TON
1 AIR COMPRESSOR PORTABLE	1 HOIST TRUCK 5000#
1 DUMP TRUCK 4 CU.YDS. W/WENCH	2 PASSENGER CARS
2 SNOW LOADERS	1 FRONT END LOADER
1 LEAF COLLECTOR	1 ROAD GRADER

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

2 FORK LIFTS	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, CLAMSHELL	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 \$66,601.70 IN MATERIALS, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1958.

SEWER CONSTRUCTION AND MAINTENANCE SHOPS AND STORES

THIS SECTION HAS NO BUDGET ALLOWANCE. ALL OPERATING EXPENSES FOR LABOR AND MATERIALS ARE PAID FOR WITH THE MONEY RECEIVED FROM THE EQUIPMENT RENTALS AND FOR THE STOCK AND JOB ORDERS TOGETHER WITH THE INITIAL CAPITAL APPROPRIATED.

THIS SECTION IS RESPONSIBLE FOR PROCURING, SERVICING, MAINTAINING AND REPAIRING ALL EQUIPMENT, MATERIALS AND SUPPLIES REQUIRED BY THE CONSTRUCTION AND MAINTENANCE ADMINISTRATION AND THE SEWER CONSTRUCTION AND MAINTENANCE SECTION. ALL AUTOMOTIVE AND CONSTRUCTION EQUIPMENT USED BY THESE SECTIONS IS OBTAINED FROM THIS SECTION ON A RENTAL BASIS.

A LIST OF AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

4 EDUCTORS	4 AIR COMPRESSORS - PORTABLE
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	1 DIAPHRAGM PUMP (3 IN)

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

DURING THE YEAR THE FOLLOWING EQUIPMENT WAS PURCHASED:

1 CARGO TRUCK 2 TON	1 DERRICK TRUCK
1 DIAPHRAGM PUMP (3 IN)	2 AIR COMPRESSORS - PORTABLE
1 PASSENGER CAR	

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 OPERATING 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 \$17,380.02 IN MATERIALS AND SUPPLIES, AND PARTS WERE ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1958.

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, GLENDRIDGE AVENUE, WEST RIVER STREET, AND RED BRIDGE 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 SCRAPPED AND PAINTED.
5. MANY OF THE STEEL CROSS BRACES ON THE UNDERSIDE OF THE SHORE SPAN OF RED BRIDGE AND 6 - 15" STEEL FLOOR BEAMS SHOULD BE REPLACED AND THE UNDERSIDE OF THE WHOLE BRIDGE SCRAPPED AND PAINTED.
6. RECOMMEND THAT ONE OF THE FIVE ROAD GRADERS BE REPLACED. TWO OF THESE REQUIRE EXTENSIVE REPAIRS AND THE STEPPED UP REPLACEMENT PLAN SHOULD CONTINUE SO AS TO CUT DOWN THE COST OF OPERATION. ONE GRADER WAS REPLACED DURING THE PAST YEAR.
7. 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.
8. THE 1951 LORRAINE 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.
9. TWO (2) NEW PUMPS SHOULD BE PURCHASED FOR THE SEWER MAINTENANCE SECTION, 1 - 6" 90M AND 1 - 4" 30M.
10. MERINO PARK FOOTBRIDGE SHOULD BE COMPLETELY REBUILT. THE PILES AND STRINGERS ARE IN VERY BAD CONDITION. THIS BRIDGE WAS SHORTENED BY 50 FT. THIS YEAR AND WE PLAN TO CUT OFF 20 FT. FROM THE SOUTH END. THIS WILL LEAVE A BRIDGE 50 FT. LONG TO BE REPLACED.
11. A MAINTENANCE GANG OF ABOUT 1 FOREMAN AND 6 MEN SHOULD BE SET UP FOR THE CONSTRUCTION AND MAINTENANCE DIVISION TO MAINTAIN THE BUILDINGS OF THE PUBLIC WORKS DEPARTMENT SUCH AS THE STORAGE AND TRANSIT SHEDS AT FIELDS POINT, FIELDS POINT DOCK OFFICES, HARBOR MASTER'S BUILDING, HOUSE AND BUILDING AT RED BRIDGE, BRICK BUILDINGS AT SEWER SYPHON ON INDIA STREET AND GLOBE STREET, INCINERATOR BUILDINGS, INCINERATOR GARAGE, SEWER MAINTENANCE BUILDINGS, HIGHWAY BUILDINGS, FORESTRY BUILDING AND RAILROAD TRACKS AT FIELDS POINT, THE WASHINGTON PARK PUMPING STATION, THE RESERVOIR AVENUE PUMPING STATION, AND THE ERNEST STREET PUMPING STATION.

THERE ARE MANY ITEMS THAT SHOULD BE MAINTAINED OR REPAIRED AT THE PRESENT TIME. SOME OF THIS WORK HAS OR IS PRESENTLY BEING ACCOMPLISHED BY THE BRIDGE MAINTENANCE GANG AND THE CARPENTERS AND MASONS FOR THE SEWER SHOPS AND STORES AND THE CONSTRUCTION AND MAINTENANCE SHOPS AND STORES, BUT IT COULD BE ACCOMPLISHED BETTER AND WITH LESS RED TAPE BY FIXING A DEFINITE RESPONSIBILITY FOR THIS WORK.

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 1957-1958. 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 PERSONNEL PERFORMS ALL THE NECESSARY CLERICAL WORK PERTAINING TO THE REFUSE COLLECTION AND DISPOSAL SECTION, THE SEWAGE PUMPING STATION SECTION, 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	\$11,201.92
ITEM 1 SERVICES OTHER THAN PERSONAL	729.00
ITEM 2 MATERIALS AND SUPPLIES	10.04
TOTAL	\$11,940.96

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 LANGHAM ROAD TO SIXTH STREET
 HARTFORD AVENUE FROM LAUREL HILL AVENUE TO OLNEYVILLE SQUARE
 THAYER STREET FROM BROOK STREET TO WATERMAN STREET
 WATERMAN STREET FROM THAYER STREET TO BROOK STREET

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. 12 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. TWO NEW SWEEPERS WERE PURCHASED DURING THE FISCAL YEAR.

FIVE DUAL GUTTER BROOM SWEEPERS ARE IN SERVICE AND ARE CAPABLE OF CLEANING GUTTERS FROM EITHER SIDE OF THE SWEEPER, AND ARE ADVANTAGEOUS ON ONE WAY STREETS.

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	221 3/4	MILES
MACHINE BROOM SWEEPING	18421	MILES
BEAT PATROL	10234	MILES
HAND BROOM DISPOSAL	4346	MILES
MACHINE BROOM DISPOSAL	13701	TONS
STREET CONTAINER DISPOSAL	8714	TONS

THE EXPENDITURES FOR THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$326646.28
ITEM 1 SERVICES OTHER THAN PERSONAL	78953.40
ITEM 2 MATERIALS AND SUPPLIES	2068.24
TOTAL	\$407667.92

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 A 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 TWENTY-FOUR HOURS PER DAY.

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

ITEM 0 PERSONAL SERVICES	\$58,123.88
ITEM 1 SERVICES OTHER THAN PERSONAL	989.73
ITEM 2 MATERIALS AND SUPPLIES	<u>3,405.85</u>
TOTAL	\$62,519.46

FOLLOWING IS A MONTHLY TABULATION OF THE ELECTRIC POWER FROM THE GARBAGE INCINERATOR:

<u>1957</u>	<u>K.W.H.</u>
OCTOBER	151180
NOVEMBER	161521
DECEMBER	174409
<u>1958</u>	
JANUARY	187870
FEBRUARY	164887
MARCH	223280
APRIL	232703
MAY	259099
JUNE	194129
JULY	159243
AUGUST	157410
SEPTEMBER	<u>185227</u>
TOTAL	2250958

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

	<u>ERNEST STREET</u> <u>STATION No.1</u>	<u>WASHINGTON PARK</u> <u>STATION No.2</u>	<u>RESERVOIR AVENUE</u> <u>STATION No.3</u>	<u>TOTAL</u>
<u>1957</u>				
OCTOBER	976.0	10.0	2.0	988.0
NOVEMBER	1058.0	11.0	2.0	1071.0
DECEMBER	1181.0	12.0	2.0	1196.0
<u>1958</u>				
JANUARY	1298.0	12.0	3.0	1313.0
FEBRUARY	1130.0	12.0	3.0	1145.0
MARCH	1543.0	12.0	3.0	1558.0
APRIL	1660.0	13.0	3.0	1676.0
MAY	1687.0	13.0	4.0	1704.0
JUNE	1321.0	12.0	3.0	1336.0
JULY	1380.0	13.0	3.0	1396.0
AUGUST	1488.0	13.0	3.0	1504.0
SEPTEMBER	<u>1452.0</u>	<u>13.0</u>	<u>3.0</u>	<u>1468.0</u>
TOTALS	16174.0	146.0	35.0	16355.0

SEWAGE DISPOSAL WORKS

THIS SECTION TREATS AND DISPOSES OF ALL THE SEWAGE FROM THE CITY OF PROVIDENCE, THE TOWN OF NORTH PROVIDENCE, SEWAGE FROM THE TOWN OF JOHNSTON, AND WASTES FROM THE NARRAGANSETT BREWING COMPANY, CRANSTON, R. I. THE DISPOSAL PLANT IS LOCATED IN THE SOUTHEASTERLY SECTION OF THE CITY NEAR THE MUNICIPAL DOCK AT FIELDS POINT.

THE FOLLOWING TABLES SHOW THE STATISTICS FOR THE DISPOSAL PLANT FOR THE FISCAL YEAR:

ESTIMATED POPULATION SERVED BY THE PLANT:

PROVIDENCE	248,000
JOHNSTON	2,000
NORTH PROVIDENCE	10,000
TOTAL CONNECTED POPULATION	260,000

<u>SEWAGE FLOW</u>	<u>MILLION GALLONS</u>
PROVIDENCE	14,372.35
JOHNSTON	72.56
NORTH PROVIDENCE	2,147.16
CRANSTON (NARRAGANSETT BREWING CO.)	121.93
TOTAL SEWAGE FLOW	16,714.00

SUMMARY OF OPERATIONS

TOTAL FLOW OF SEWAGE	16,714.00 M.G.
AVERAGE DAILY FLOW	45.79 M.G.
MAX. DAILY FLOW (APRIL 6, 1958)	100.76 M.G.
MIN. DAILY FLOW (JULY 27, 1958)	22.97 M.G.
*TOTAL AIR USED FOR AERATION	1,641.35 MIL. CU.FT.
*CALCIUM HYPOCHLORITE USED	3,990.85 TONS
CHLORINE AS HYPOCHLORITE	311.66 TONS
LIQUID CHLORINE	253.05 TONS
TOTAL CHLORINE USED	564.71 TONS
FERRIC CHLORIDE USED	49.41 TONS
LIME USED	129.13 TONS
**GRIT AND SCREEN REMOVALS	196.68 TONS
SLUDGE INCINERATED	5,650.00 TONS
ASH REMOVED FROM INCINERATOR	1,144.40 TONS
FUEL OIL USED FOR OPERATING INC. (#5)	85,545.00 GALS.
*AIR BLOWERS WERE PUT BACK IN OPERATION	JULY 1958
*NO CALCIUM HYPOCHLORITE WAS USED AFTER	MAY 1958
**NO SCREENINGS AFTER NOVEMBER 1957. REMODELED SCREENS, DETRITORS AND GRIT COLLECTORS WENT INTO OPERATION MAY 1958.	

ELECTRIC POWER USED FROM THE GARBAGE INCINERATOR:

<u>1957</u>	<u>K.W.H.</u>
OCTOBER	48,200
NOVEMBER	35,400
DECEMBER	34,300
<u>1958</u>	
JANUARY	34,200
FEBRUARY	51,100
MARCH	66,600
APRIL	66,200

MAY	91,300
JUNE	104,600
JULY	140,900
AUGUST	147,400
SEPTEMBER	<u>139,400</u>
TOTAL	959,600

THE EXPENDITURES FOR THE YEAR WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$132,205.45
ITEM 1 SERVICES OTHER THAN PERSONAL	22,433.48
ITEM 2 MATERIALS AND SUPPLIES	<u>108,168.76</u>
TOTAL	\$262,807.69

THE ALTERATIONS AND RECONSTRUCTION WORK BY THE BAYLOR CONSTRUCTION CORPORATION AT THE SEWAGE DISPOSAL WORKS IS EXPECTED TO BE COMPLETED ABOUT NOVEMBER 1958.

AT ALL TIMES DURING THE CONSTRUCTION PERIOD THE PRIMARY PURPOSE OF THE SEWAGE DISPOSAL WORKS WAS TO REMOVE SOLIDS AND RENDER THE FINAL EFFLUENT INOCUOUS WAS CONDUCTED AS EFFICIENTLY AS POSSIBLE CONSISTENT WITH THE CONSTRUCTION WORK IN PROGRESS. MAXIMUM CHLORINATION OF SOME TYPE WAS MAINTAINED AT ALL TIMES.

PLANT PERSONNEL RENDERED FULL COOPERATION TO THE CONSTRUCTION ENGINEERS CONSISTENT WITH MAXIMUM SEWAGE TREATMENT. NEW FACILITIES WERE TAKEN OVER, AND PUT INTO OPERATION, BY PLANT PERSONNEL AS SOON AS RELEASED BY THE CONTRACTOR. IN MANY INSTANCES THIS INVOLVED ON THE JOB TRAINING OF PERSONNEL IN THE OPERATION AND CARE OF EQUIPMENT WITH WHICH THEY HAD HAD NO PREVIOUS EXPERIENCE.

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

THE FOUR SLUDGE MIXING TANKS AND FLOAT LEVEL CONTROL TANKS WERE REMOVED FROM THEIR POSITIONS IN PAIRS OF TWO EACH AT A TIME AND ALL WATER LINES, ELECTRICAL MOTORS AND CONNECTIONS AND ALL MECHANICAL PARTS WERE REMOVED. THE TANKS WERE THEN CLEANED OF SLUDGE AND SCALE AND MADE READY FOR SANDBLASTING. AFTER SANDBLASTING THE TANKS WERE LINED WITH FIBER GLASS CLOTH AND VINYL PLASTIC. THEY WERE THEN PUT BACK IN POSITION AND REASSEMBLED. MOTORS AND MECHANICAL PARTS WERE SERVICED, OR REPLACED WHERE NECESSARY, BEFORE BEING INSTALLED.

REPLACEMENT WAS MADE OF THE HEAD SECTIONS OF THE TWO REMAINING PROPORTIONEER FERR-O-FEEDERS WITH THE NEW MODEL HEAD.

THE SLUDGE INCINERATOR WAS GIVEN ITS YEARLY INSPECTION AND REPAIRS MADE BY PLANT PERSONNEL AS FOUND NECESSARY.

THE THREE ORIGINAL ROOTS CONNERSVILLE AIR BLOWERS WERE GIVEN A PRIMARY COAT OF PROTECTIVE PAINT.

THE FOLLOWING WORK WAS DONE AT THE SEWAGE DISPOSAL WORKS BY OTHER THAN PLANT PERSONNEL:

SANDBLASTING AND PLASTIC LINING WORK ON MIXING TANKS.

THE INCINERATOR STACK, ASH ELEVATOR HOUSING, ASH HOPPER AND APPURTENANCES THERETO WERE ALL GIVEN A PRIMING AND FINAL COAT OF PROTECTIVE PAINT.

THE ROOTS CONNERSVILLE AIR BLOWERS WERE INSPECTED BY A FACTORY REPRESENTATIVE AND UNDER HIS SUPERVISION NEW VIBRATOR SNUBBERS WERE INSTALLED ON NO.3 BLOWER BY PLANT PERSONNEL.

THE WESTINGHOUSE MOTORS ON THE ROOTS CONNERSVILLE AIR BLOWERS WERE OVERHAULED, THE COMMUTATORS WERE TURNED DOWN AND RE-GROOVED AND THE FIELDS PAINTED BY A FACTORY REPRESENTATIVE.

REFUSE COLLECTION AND DISPOSAL

THE REFUSE COLLECTION AND DISPOSAL SECTION IS RESPONSIBLE FOR THE COLLECTION AND DISPOSAL OF ALL NON-COMBUSTIBLE REFUSE FROM THE RESIDENTIAL SECTIONS OF THE CITY ONCE 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 MATERIAL 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.

EIGHT TRUCKS, 6 - 16 CU.YDS. LOADPACKERS AND 2 - 13 CU.YDS. BUCKET LOADERS 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>AREA 1</u>	<u>AREA 11</u>	<u>AREA 111</u>	<u>AREA 1V</u>	<u>TOTAL</u>
<u>1957</u>					
OCTOBER	910	1417	1170	1040	4537
NOVEMBER	1079	1508	1313	1157	5057
DECEMBER	1001	1495	1365	1131	4992
<u>1958</u>					
JANUARY	923	1419	1209	1092	4641
FEBRUARY	975	1573	1235	1131	4914
MARCH	975	1521	1209	1131	4836
APRIL	1053	1508	1248	1209	5018
MAY	1001	1560	1300	1170	5031
JUNE	858	1612	1170	1235	4875
JULY	936	1482	1157	1047	4602
AUGUST	884	1580	1274	1056	4784
SEPTEMBER	910	1508	1196	1027	4641
TOTAL	11505	18161	14846	13416	57928

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

ITEM 0 PERSONAL SERVICES	\$99,170.81
ITEM 1 SERVICES OTHER THAN PERSONAL	38,791.14
ITEM 2 MATERIALS AND SUPPLIES	32.09
	<u>\$137,994.04</u>

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; ALSO SANITATION GARAGE AND MUNICIPAL GARAGE.

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 THE 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 AUTOMOTIVE EQUIPMENT USED BY THIS SECTION IS RENTED FROM THE SANITATION SHOPS AND STORES REVOLVING FUND.

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

ITEM 0	PERSONAL SERVICES	\$536,353.06
ITEM 1	SERVICES OTHER THAN PERSONAL	240,837.00
ITEM 2	MATERIALS AND SUPPLIES	11,817.28
ITEM 3	SPECIAL ITEMS	
	TOTAL	<u>\$789,007.34</u>

DURING THE FISCAL YEAR 30,000 GALLONS OF No.6 FUEL OIL WERE USED TO MAINTAIN THE STEAM PRESSURE IN TIMES OF EMERGENCY OR MECHANICAL BREAKDOWN. 10,000 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 STATION POWER.

1957	SEWAGE DISPOSAL	SEWAGE PUMPING	MUNICIPAL GARAGE	STATION POWER	TOTAL
OCTOBER	48,200	151,180	920	89,700	290,000
NOVEMBER	35,400	161,521	879	90,200	288,000
DECEMBER	34,300	174,409	1091	97,200	307,000
<u>1958</u>					
JANUARY	34,200	187,870	1230	88,700	312,000
FEBRUARY	51,100	164,887	1413	91,600	309,000
MARCH	66,600	223,280	1020	95,100	386,000
APRIL	66,200	232,703	1197	83,900	384,000
MAY	91,300	259,099	501	89,100	440,000
JUNE	104,600	194,129	771	85,500	385,000
JULY	140,900	159,243	857	89,000	390,000
AUGUST	147,400	157,410	790	89,400	395,000
SEPTEMBER	<u>139,400</u>	<u>185,227</u>	<u>873</u>	<u>88,500</u>	<u>414,000</u>
TOTAL	959,600	2,250,958	11,542	1,077,900	4,300,000

THE FOLLOWING IS THE TOTAL AMOUNT OF GARBAGE AND RUBBISH DISPOSED OF BY THIS DEPARTMENT, ALSO ASHES REMOVED, FROM OCTOBER 1957 TO SEPTEMBER 1958:

1957	GARBAGE (TONS)	RUBBISH (TONS)
OCTOBER	2732.0	3606.0
NOVEMBER	2713.0	3041.0
DECEMBER	2676.0	3172.0
<u>1958</u>		
JANUARY	3098.0	2321.0
FEBRUARY	2323.0	1812.0
MARCH	2844.0	2383.0
APRIL	2998.0	2396.0
MAY	3023.0	2342.0

JUNE	2945.0	2264.0
JULY	2970.0	2789.0
AUGUST	2920.0	2464.0
SEPTEMBER	<u>2602.0</u>	<u>3100.0</u>
TOTAL	336852.0	31690.0

DAILY AVERAGE FOR COLLECTION BASED ON 313 WORKING DAYS.....100.2 TONS

DAILY AVERAGE FOR DISPOSAL BASED ON 365 WORKING DAYS.....179.6 TONS

<u>TOTAL POWER GENERATED</u>	<u>K.W.H.</u>
AVERAGE DAILY DISTRIBUTED LOAD	11,781
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE DISPOSAL WORKS	2,629
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE PUMPING STATION	6,167
AVERAGE DAILY DISTRIBUTED LOAD TO MUNICIPAL GARAGE	32
AVERAGE DAILY DISTRIBUTED LOAD TO GARBAGE INCINERATOR	2,953

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

<u>1957</u>	<u>TONS</u>
OCTOBER	1,020.0
NOVEMBER	915.0
DECEMBER	949.0
<u>1958</u>	
JANUARY	998.0
FEBRUARY	880.0
MARCH	970.0
APRIL	998.0
MAY	936.0
JUNE	855.0
JULY	993.0
AUGUST	895.0
SEPTEMBER	<u>992.0</u>
TOTAL	11,401.0

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 KILOWATT METER AND THE SILVERSTAT REGULATOR IN THE TURBINE ROOM WAS REPAIRED BY WESTINGHOUSE ELECTRIC CORPORATION.

THE CHRONFLO METER AND TRANSMITTER WAS REPAIRED BY BUILDERS-PROVIDENCE, INC.

A 40 H.P. CRANE MOTOR WAS OVERHAULED AND PUT BACK IN SERVICE IN PLANT No.1

THE FORCED DRAFT FAN IN PLANT No.2 WAS OVERHAULED BY OUR EMPLOYEES AND IS NOW IN GOOD CONDITION.

THE WATER PUMP IN PLANT No.1 WAS OVERHAULED AND PUT BACK IN SERVICE.

THE CONCRETE FLOOR ALONG THE HOPPERS IN PLANT No.2 WAS IN BAD CONDITION DUE TO THE CONSTANT RUBBING OF THE GARBAGE GRAB BUCKET. A NEW STEEL REINFORCED FLOOR WAS LAID IN THIS AREA BY OUR EMPLOYEES.

FOUR NEW CHARGING DOORS WERE MADE AND INSTALLED IN PLANT No.2.

THE TERRY STEAM TURBINE WAS DISMANTLED AND NEW PARTS INSTALLED WHERE NECESSARY. THIS TURBINE IN PLANT No.2 IS NOW IN GOOD WORKING ORDER.

A NUMBER OF SMALL LEAKS DEVELOPED IN THE TWO AFTER CONDENSERS. SIX PIECES OF CONDENSER TUBING WAS PURCHASED AND INSTALLED AND THE CONDENSERS PUT BACK IN WORKING ORDER.

THE ELECTRIC WIRING OF THE CIRCULATING WATER PUMP WAS FOUND IN POOR CONDITION AND NEW WIRING WAS INSTALLED BY THE INCINERATOR ELECTRICIAN.

A NUMBER OF BOILER TUBES WERE LEAKING AT DIFFERENT TIMES DURING THE COURSE OF THE YEAR IN PLANT No.2. THESE TUBES WERE REMOVED AND NEW ONES INSTALLED BY OUR EMPLOYEES.

A NUMBER OF REPAIR JOBS WERE MADE IN THE BRICK WORK IN THE FURNACES AND COMBUSTION CHAMBERS IN BOTH PLANTS Nos. 1 AND 2 DURING THE YEAR. ALL THESE REPAIRS WERE MADE BY INCINERATOR EMPLOYEES.

THE WATER JACKETS ON THE GARBAGE HOPPERS IN PLANT No.1 WERE LEAKING TWICE AND A WELDING JOB WAS NECESSARY TO PUT THEM BACK IN CONDITION.

A NUMBER OF REPAIRS JOBS ON BOTH ELECTRIC CRANES WAS DONE DURING THE YEAR. ALL NECESSARY WORK WAS PERFORMED BY THE INCINERATOR ELECTRICIAN.

THE BOILER GATES IN BOTH PLANTS BURNED OUT DURING THE YEAR. THE NECESSARY STEEL AND REFRACTORIES WERE PURCHASED AND THE GATES REBUILT AND PUT BACK IN SERVICE BY INCINERATOR EMPLOYEES.

THE OIL PUMPS IN PLANTS Nos. 1 AND 2 WERE OVERHAULED.

THE WATER GATE IN PLANT No.2 WAS REPAIRED AND PUT BACK IN SERVICE.

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 SHOP 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.
- 1 HEAVY DUMP BODY TRUCK FOR ASH DISPOSAL
- 2 PICKUP TRUCKS $\frac{1}{2}$ -TON CAPACITY.
- 6 PASSENGER CARS.
- 1 BULLDOZER.
- 1 SMALL AIR COMPRESSOR

THE GARAGE AND REPAIR SHOP, SITUATED ON TERMINAL ROAD IN THE FIELDS POINT SECTION 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, AND SIX NEW 16 CUBIC YARD GARBAGE COLLECTION TRUCKS WITH PACKER TYPE BODIES WERE PURCHASED.

SANITATION DIVISION REVENUE

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

SEWAGE PUMPING STATION	\$137.10
SEWAGE DISPOSAL SECTION	96.38
GARBAGE COLLECTION AND DISPOSAL SECTION	10800.62
REFUSE COLLECTION AND DISPOSAL SECTION	665.00
TOTAL	<u>\$11643.37</u>

RECOMMENDATIONS

1. THAT THE ELECTRIC CRANE IN PLANT No.1 (GARBAGE INCINERATOR) BE GIVEN A COMPLETE OVERHAUL UNDER SUPERVISION OF AN ENGINEER FROM THE HARNISCHFEGER COMPANY. THIS CRANE HAS BEEN IN SERVICE FOR 22 YEARS WITHOUT A MAJOR OVERHAUL.
2. THAT THE TWO DUMPING AREAS AT THE GARBAGE INCINERATOR PLANT BE ENCLOSED TO PREVENT PAPERS AND DEDRIS FROM BLOWING AROUND THE SURROUNDING AREA. THE PIT AREAS SHOULD ALSO BE ENLARGED TO GIVE GREATER STORAGE CAPACITY.
3. THAT THE COOLING WATER SYSTEM FOR THE CONDENSORS BE CHANGED AND AN ADDITIONAL PUMP BE INSTALLED. BOTH PUMPS TO BE MADE SELF-PRIMING.
4. THAT A CHARGE BE MADE FOR ALL COMMERCIAL VEHICLES DUMPING AT THE INCINERATOR. THIS IS DONE IN MANY OTHER COMMUNITIES AND WOULD HELP DEFRAY THE OPERATING COSTS OF THE PLANT.
5. THAT THE ROOF OF PLANT No.1 (GARBAGE INCINERATOR) BE REPAIRED.
6. THAT PLANT No.2 (GARBAGE INCINERATOR) BE COMPLETELY RE-BRICKED. OVER THE PAST YEAR MANY PATCHES HAVE BEEN MADE AND THE BRICK WORK IN THE FURNACE IS IN POOR CONDITION.
7. THAT THE ENTIRE CONTROL BOARD FOR THE SEWAGE PUMPS AT THE ERNEST STREET PUMPING STATION BE REBUILT AS RECOMMENDED BY GENERAL ELECTRIC FIELD ENGINEERS.
8. THAT THE PUMPING CAPACITY OF THE WASHINGTON PARK PUMPING STATION BE INCREASED. AS HARBORSIDE PARK DEVELOPMENT EXPANDS, THE LOAD ON THIS STATION INCREASES AND AS OF NOW, IT IS OPERATING AT PEAK LOAD.
9. THAT A HIGH WIRE FENCE AND TWO GATES BE ERECTED AT ENTRANCES TO THE GARBAGE INCINERATOR TO PREVENT UNAUTHORIZED DUMPING DURING THE NIGHT.
10. THAT A STUDY BE MADE BY THE CONSULTING ENGINEERS OF FURTHER IMPROVEMENTS AT THE SEWAGE TREATMENT PLANT.
11. THAT FURTHER EXPANSION OF THE PLANT PERSONNEL AT THE SEWAGE PLANT BE GIVEN CONSIDERATION. AT PRESENT, THERE IS NO PROVISION FOR COVERING JOBS VACANT DUE TO SICK LEAVE, ETC., AND TO PERFORM GENERAL WORK AROUND THE PLANT.
12. THAT THE EIGHT VACUUM FILTERS BE REDECKED WITH NEW TYPE OF DRAINAGE GRIDS WHICH HAVE BEEN DEVELOPED SINCE THESE FILTERS WERE INSTALLED AND THAT AT LEAST TWO OF THE

PRESENT FILTERS BE COVERED WITH A NEW TYPE OF FILTER MEDIA TO ELIMINATE THE PRESENT CLOTH COVERS.

13. THAT A STUDY BE MADE OF THE POSSIBILITY OF HEATING SOME OF THE BUILDINGS AT THE SEWAGE PLANT WITH STEAM FROM THE GARBAGE INCINERATOR.

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 ENDED SEPTEMBER 30, 1958:

PORT AGENT

DUE TO A DIFFERENTIAL IN LONGSHORE LABOR GANGS AND CONDITIONS, WE LOST THE
FROZEN FISH MOVEMENT TO THE PORT OF GLOUCESTER, MASS. THERE WAS ALSO A DROP IN
THE LUMBER MOVEMENT DUE TO DEPRESSED ECONOMIC CONDITIONS NATIONWIDE.

ON THE BRIGHT SIDE WE ARE PLEASED TO REPORT THAT WE HAVE SIGNED A LEASE WITH
THE NEW ENGLAND CEMENT COMPANY FOR THE AREA FORMERLY OCCUPIED BY THE NEW ENGLAND
COAL AND COKE COMPANY. THEY PROPOSE TO CONSTRUCT A PLANT THAT WILL MAKE AVAILABLE
TO THE CONSUMERS OF CEMENT, A PRODUCT THAT WILL COST CONSIDERABLY LESS THEN THEY
ARE NOW PAYING. ALSO, WE EXPECT THAT THE LOWER COSTS WILL ATTRACT ALLIED INDUSTRIES
TO THE PROVIDENCE AREA.

FURTHER, IN SPITE OF THE FALL OFF OF TONNAGE WE INCREASED OUR REVENUE APPROXIMATELY
EIGHT THOUSAND DOLLARS (\$8000.00) OVER THE 1956-57 FISCAL YEAR.

CARGO HANDLED

SHIPPED

5051 TONS GASOLINE
20562 TONS FUEL OIL
4170 TONS KEROSENE
7095 TONS SCRAP
500.5 TONS MARBLES

RECEIVED

GENERAL CARGO 1108 TONS
CEMENT 18188 TONS
GASOLINE 215074 TONS
FUEL OIL 170067 TONS
KEROSENE 38426 TONS
LUBRICATING OIL 12734 TONS
LUMBER 48290746 BMF.

REVENUE

LEASE OF STORAGE WAREHOUSE	\$39,375.00
LEASE OF LAND	52,323.22
WHARFAGE	72,316.15
TRACKAGE	6,980.00
WATER	5,703.69
DOCKAGE	17,801.62
STORAGE	24,491.51
MISCELLANEOUS	4,330.33
	<u>\$223,821.52</u>

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$33,731.19
ITEM 1 SERVICES OTHER THAN PERSONAL	7,671.91
ITEM 2 MATERIALS AND SUPPLIES	1,690.41
ITEM 7 CAPITAL IMPROVEMENTS	18,235.38
TOTAL	<u>\$61,328.89</u>

HARBOR MASTER

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$4,349.00
ITEM 1	SERVICES OTHER THAN PERSONAL	165.89
ITEM 2	MATERIALS AND SUPPLIES	<u>195.16</u>
	TOTAL	\$4,710.93

RESPECTFULLY SUBMITTED

JAMES J. FISHER
CHIEF OF HARBOR DIVISION.

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, 1958:

THE EXPENDITURES OF THE DIVISION WERE AS FOLLOWS:

ITEM 0	PERSONAL SERVICES	\$130,465.61
ITEM 1	SERVICES OTHER THAN PERSONAL	5,948.77
ITEM 2	MATERIALS AND SUPPLIES	803.02
	TOTAL	<u>\$137,217.40</u>

STREET LINE AND CITY PROPERTY SECTION

NOTICES OF INTENTION TO BUILD.

THERE WERE 207 NOTICES OF INTENTION TO BUILD FILED IN THIS OFFICE DURING
THE FISCAL YEAR. SIX OF THESE WERE NOT REQUIRED FOR VARIOUS REASONS. IN RESPONSE
TO THE REMAINING 201 NOTICES, THE STREET LINES WERE MARKED ON THE GROUND AS REQUESTED
FOR THE SPECIFIED LOCATIONS.

FIELD SURVEYS ON THE 23 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 DENNIE 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>
ARGOL STREET	NELLIE STREET TO EDGEWORTH AVENUE	252.65
BARRY ROAD	HARTFORD AVENUE, NORTHEASTERLY AND EASTERLY TO ITS EASTERLY TERMINATION	593.20
BAYARD STREET	FIFTH STREET TO SIXTH STREET	206.00
BEEBLE STREET	SISSON STREET TO ITS WESTERLY TERMINATION	200.00
BODEL AVENUE	WHELAN ROAD TO HARTFORD AVENUE AND FROM HARTFORD AVENUE SOUTHERLY AND EASTERLY TO THE JUNCTION OF ETNA AND CLEVELAND STREETS	1218.93
DANBY STREET	WINDMILL STREET TO ITS NORTHERLY TERMINATION	520.96
ELIZA STREET	HARTFORD AVENUE TO NORTHERLY LINE THORNTON STREET	540.39
FALES STREET	ARCH STREET TO BRIDGHAM STREET	200.17

FLOWER STREET	HARTFORD AVENUE TO CITY VIEW PARKWAY	377.78
FREEDOM ROAD	CHALKSTONE AVENUE 270± FEET SOUTHERLY	266.69
HARMONY DRIVE	CHALKSTONE AVENUE 200 FEET SOUTHERLY	200.00
JASPER STREET	CHARLES STREET TO ITS EASTERLY TERMINATION	527.45
JOSA STREET	LANGDON STREET TO CITY LINE	149.50
KENDALL STREET	BRIDGHAM STREET TO GILMORE STREET	160.41
LINDEN DRIVE	COLE AVENUE TO ITS EASTERLY TERMINATION	373.61
MANILA STREET	BURNS STREET TO CITY LINE	279.49
MEDWAY STREET	BUTLER AVENUE 480 FEET EASTERLY	480.00
NEWDERY STREET	LANGDON STREET TO EASTERLY LINE STANHOPE STREET	339.19
RIDGE STREET	GROVE STREET TO TOBEY STREET	375.49
SHARON STREET	EATON STREET TO RANGE SOUTHERLY LINE APRIL COURT	314.39
SMART STREET	ARGOL STREET TO WESTERLY LINE JOB STREET	402.59
WHELAN ROAD	FLOWER STREET TO ITS EASTERLY TERMINATION	1601.27
WINDMILL STREET	PORTION RECEIVED TO CITY LINE	1179.16
	TOTAL FEET (OR 2.037 MILES)	10759.32

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR:

RECEIVED STREETS ABANDONED

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
ASH STREET	STANIFORD STREET TO HILTON STREET	625.50
CAPWELL STREET	WEST RIVER STREET TO POWDERMILL STREET	255.15
CORLISS STREET	WEST RIVER STREET TO LIVINGSTON STREET	1074.55
COUNCIL STREET	PETTIS STREET TO NORTHERLY LINE OF HADLEY STREET	365.99
CROSS STREET	WEST RIVER STREET TO CORLISS STREET	390.00
DARLING STREET	WEST RIVER STREET TO CORLISS STREET	396.18
DART STREET	WEST RIVER STREET TO EASTERLY LINE OF STOCKTON ST.	596.48
GAY STREET	WILLARD AVENUE TO A POINT 144.77 NORTHERLY	144.77
HEDLEY STREET	COUNCIL STREET TO WALLING STREET	609.06
HILTON STREET	WILLARD AVENUE TO A POINT 295.69 SOUTHERLY	295.69
JOSLIN STREET	88 FEET NORTHEAST OF MANTON AVE. TO KOSSUTH STREET	443.60
LIVINGSTON STREET	WEST RIVER STREET TO NICHOLS STREET	892.78
MAGNOLIA STREET	EAST OF ATWOOD ST. TO 212± FEET WEST OF ATWOOD ST.	334.00
PALMER STREET	PETTIS STREET TO ITS NORTHERLY TERMINATION	488.50
PETTIS STREET	NICHOLS STREET TO WALLING STREET	902.81
POLK STREET	HEDLEY STREET TO PETTIS STREET	374.17
POWDERMILL STREET	WEST RIVER STREET TO ITS NORTHERLY TERMINATION	371.14
TROOP LANE	CHARLES STREET TO WALLING STREET	186.69
WALLING STREET	NICHOLS STREET TO WEST RIVER STREET	871.00
WEST RIVER STREET	CHARLES STREET TO CROSS STREET	1403.98
WILCOX STREET	CROSS STREET TO WEST RIVER STREET	449.72
WILLARD AVENUE	STANIFORD STREET WESTERLY TO A POINT 251.95 EAST OF PRAIRIE AVENUE	860.04
	TOTAL FEET (OR 2.335 MILES)	12331.80

UNRECEIVED STREETS ABANDONED

ACADEMY AVENUE	BURNS STREET TO ITS SOUTHERLY TERMINATION	97.75
AGNES STREET	MAGNOLIA STREET TO ITS SOUTHERLY TERMINATION	361.00
ASHEVILLE AVENUE	MANTON AVENUE TO ITS NORTHEASTERLY TERMINATION	125.17
ATWOOD STREET	MAGNOLIA STREET TO ITS SOUTHERLY TERMINATION	311.50
BURKE STREET	WEST RIVER STREET TO ITS WESTERLY TERMINATION	266.00
CLARA STREET	29.70 FEET NORTH OF ANGLE NORTH OF SMITH STREET TO 92.94 FEET SOUTH OF VALE STREET	500.07
COUNCIL STREET	NORTHERLY LINE HEDLEY STREET TO ITS NORTHERLY TERMINATION	96.00

DART STREET	STOCKTON STREET TO ITS EASTERLY TERMINATION	200.00
DEER STREET	CORLISS STREET TO STOCKTON STREET	214.00
DOWLING PLACE	LIVINGSTON STREET TO ITS SOUTHERLY TERMINATION	239.14
ERIN STREET	ELK STREET TO BURKE STREET	130.00
HUDSON STREET	SERVICE ROAD #4 TO ATWOOD STREET	422.00
MAIDEN LANE	SNOW STREET TO MOULTON STREET	90.83
SALESSES COURT	DART STREET TO ITS SOUTHERLY TERMINATION	84.64
STOCKTON STREET	DEER STREET TO LIVINGSTON STREET	987.12
STUDLEY STREET	CORLISS STREET TO STOCKTON STREET	200.00
UNNAMED STREET	COUNCIL STREET TO ITS EASTERLY TERMINATION	121.00
VICKSBURG STREET	VEAZIE STREET TO HYACINTH STREET	253.00
WILKIE STREET	LIVINGSTON STREET TO ITS SOUTHERLY TERMINATION	199.90
WHITMARCH STREET	DEXTER STREET TO BUCKLIN STREET	376.32
	TOTAL FEET (OR 0.909 MILES)	5,275.44

THE APPROXIMATE LENGTH OF STREETS PLATTED BUT NOT RECEIVED IS 52.305 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 1958 (MEASURED ALONG PROPERTY LINES) 366.497 MILES.

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

A PRIVATE ROAD ON THE "WOODLAND TERRACE PLAT" FROM GROTTA AVENUE EASTERLY, NORTHERLY AND WESTERLY TO GROTTA AVENUE, WHICH HAS BEEN DEEDED TO THE CITY FOR HIGHWAY PURPOSES HAS BEEN ADDED TO THE LIST OF THE UNRECEIVED STREETS.

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

WARD STREET	PROPOSED ABANDONMENT
INDIA STREET	PROPOSED LEASE
MT. PLEASANT SCHOOL SITE	STUDY PLAN
WEST RIVER PROJECT	ABANDONMENT OF SUNDRY STREETS
SERVICE ROAD No.7	PROPOSED SALE
POINT STREET BRIDGE	LOCATION PLAN
CHAPMAN AND ERNEST STREETS	CROSS-SECTIONS
SERVICE ROAD No.3	PROPOSED SALE
WEST RIVER PROJECT	ABANDONMENT OF SUNDRY STREETS
FIELDS POINT	PROPOSED LEASE
WILLARD CENTER	CROSS-SECTIONS
SERVICE ROAD No.6	PROPOSED SALE
SERVICE ROAD No.7	PROPOSED SALE
WEST RIVER PROJECT	ABANDONMENT OF SUNDRY STREETS
BLACKSTONE STREET	LAND DEEDED FOR HIGHWAY PURPOSES
HUDSON, AGNES, MAGNOLIA AND ATWOOD STS.	PROPOSED ABANDONMENT
HAWKINS STREET PLAYGROUND	PROPOSED CONDEMNATION
HAWKINS STREET PLAYGROUND	PROPOSED CONDEMNATION FOR RECORD OFFICE
ACADEMY AND ATWELLS AVENUES	PROPOSED SALE
SOMERSET STREET	PROPOSED SALE
CHARLES AND HAWKINS STREETS	PROPOSED PURCHASE
GARIBALDI STREET	PROPOSED SEWER EASEMENT
HARRISON STREET	PROPOSED SALE
FIELDS POINT	PROPOSED LEASE
WILLARD AVENUE, ASH STREET	PROPOSED ABANDONMENT
ACADEMY AVENUE EXTENSION	PROPOSED ABANDONMENT
MAIDEN LANE	PROPOSED ABANDONMENT
RIDGE STREET PLAYGROUND	SIDEWALK ESTIMATE

DUDLEY STREET PLAYGROUND
 TELL STREET PLAYGROUND
 CAMP STREET PLAYGROUND
 ROGER WILLIAMS AVENUE
 WORSTED STREET
 JOSLIN STREET
 NARRAGANSETT AVENUE PLAYGROUND
 GANO STREET
 FRIENDSHIP STREET SCHOOL
 MONTAGUE STREET SCHOOL
 BELLEVUE AVENUE SCHOOL
 FIELDS POINT
 CHESTER AVENUE
 NARRAGANSETT AVENUE PLAYGROUND
 SOUTH MAIN STREET
 ARGOL STREET
 EDDY STREET
 CLAVERICK STREET
 COIN STREET
 GROTTA AVENUE
 GROTTA AVENUE
 WESTCOTT AVENUE
 NIAGARA STREET
 CAXTON STREET
 FIELDS POINT
 NIAGARA STREET

SIDEWALK ESTIMATE
 SIDEWALK ESTIMATE
 SIDEWALK ESTIMATE
 PROPOSED SALE
 PROPOSED ABANDONMENT
 PROPOSED ABANDONMENT
 CONDEMNATION
 PROPOSED LEASE
 ELEVATIONS
 SIDEWALK ESTIMATE
 SIDEWALK ESTIMATE
 PROPOSED LEASE
 PROPOSED SALE
 CONDEMNATION (RECORD OFFICE)
 SIDEWALK ESTIMATE
 LAND REQUIRED FOR HIGHWAY
 PROPOSED ABANDONMENT (PORTION)
 PROPOSED ABANDONMENT (PORTION)
 PROPOSED ABANDONMENT
 PROPOSED ABANDONMENT (PORTION)
 STUDY PLAN
 PROPOSED ABANDONMENT (PORTION)
 LAND REQUIRED FOR RE-LOCATION
 PROPOSED ABANDONMENT
 PROPOSED LEASE
 LAND REQUIRED FOR RE-LOCATION

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

SOMERSET AND HAYWARD STREETS
 GRANT AND CARPENTER STREETS
 WEYBOSSET STREET
 ADELAIDE AVENUE
 DIKE STREET
 SILVER SPRING STREET

LOCKWOOD AND FRIENDSHIP STREETS
 BUCKLIN STREET
 UNION AVENUE
 SMITHFIELD AVENUE
 HARTFORD AVENUE
 BROADWAY

BROADWAY AND KNIGHT STREET

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

TWENTY-TWO PLANS WERE DRAWN FOR AMENDMENTS TO THE ZONING ORDINANCE THAT FAILED OF PASSAGE.

NORTH BURIAL GROUND

DURING THE YEAR 39 DEEDS TO LOTS CONVEYED BY THE CITY AND 41 CERTIFICATES OF PERPETUAL CARE HAVE BEEN DRAWN. DESCRIPTIONS OF THE LOTS WERE FURNISHED THE SUPER-INTENDENT, FIELD SURVEYS WERE MADE AND LOTS STAKED OUT ON THE GROUND WHEN REQUESTED.

GENERAL

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

ELEVATIONS WERE TAKEN AND PLANS MADE FOR FRIENDSHIP STREET SCHOOL SITE.

GRADES WERE MARKED FOR PLAYGROUNDS AT APRIL COURT AND HAWKINS STREET (METCALF FIELD)

ELEVATIONS WERE TAKEN AND PLANS MADE FOR PROPOSED NEW PUBLIC WORKS GARAGE AT ERNEST AND CHAPMAN STREETS.

SURVEY FOR LOCATION OF SHORE LINE AT FIELDS POINT.

ELEVATIONS WERE TAKEN AND PLANS MADE FOR WILLARD CENTER AND METCALF FIELD.

SURVEYS WERE MADE FOR LEASES OF CITY OWNED LAND AT FIELDS POINT, INDIA STREET, GANDY STREET AND SERVICE ROAD.

MEASUREMENTS WERE TAKEN AND PLANS MADE FOR PUBLIC BUILDINGS DEPARTMENT FOR SIDEWALK CONSTRUCTION ESTIMATES.

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

SURVEY WAS MADE AND PLANS DRAWN FOR CONDEMNATION OF NEW PLAYGROUND AT ARDOENE STREET AND MARRAGANSETT AVENUE.

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 ABANDONMENT OF STREETS, DEFINING GRADES AND GRADING AND CURBING STREETS.

PLATS PRESENTED FOR RECORD HAVE BEEN COMPARED FOR THE RECORDER OF DEEDS OFFICE AND PLATS FOR RECORDING HAVE BEEN FURNISHED THE RECORDER'S OFFICE UNDER THE PROVISIONS OF 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 OF 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 ELEVEN STREETS COVERING FOURTEEN 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 0.58 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.

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>
ALEPPO STREET	MANTON AVENUE TO PELHAM STREET	2238
AMSTERDAM STREET	STEUBEN STREET TO TERMINATION	1184
ARMORE AVENUE	SMITH STREET TO LOTUS PLACE	4034
BAINBRIDGE AVENUE	WESTMINSTER STREET TO BROADWAY	2000
BARTON STREET	WESTMINSTER STREET TO BROADWAY	1706
BRADLEY STREET	RIVER AVENUE TO SHARON STREET	2698
CUMERFORD STREET	UNION AVENUE TO WALLACE STREET	3127
DAWSON STREET	MARSHALL STREET TO COURTLAND STREET	735
EAGLE STREET	VALLEY STREET TO RIVER BRIDGE	1100
EATON STREET	ELMHURST AVENUE TO DOUGLAS AVENUE	9454
ELMDALE AVENUE	TERRACE AVENUE TO PRISCILLE AVENUE	2868
FORDS STREET	GENTIAN AVENUE TO MODENA AVENUE	2096
FREEMAN PARKWAY	BLACKSTONE BOULEVARD TO GROTTA AVENUE	1033
GENTIAN AVENUE	SMITH STREET TO TEXAS AVENUE	4731
GESLER STREET	VINTON STREET TO RIDGE STREET	3691
GREENWOOD STREET	ATWELLS AVENUE TO MANTON AVENUE	1233
GROVE STREET	VINTON STREET TO TOBEY STREET	4852
HANNAH STREET	AMHERST STREET TO AMSTERDAM STREET	1117
HAWKINS STREET	ADMIRAL STREET TO CHARLES STREET	9572
KILLINGLY STREET	HARTFORD AVENUE TO CITY LINE	6093
LOTUS PLACE	GENTIAN AVENUE TO MODENA AVENUE	907
LYNDHURST AVENUE	EATON STREET TO SMITH STREET	2387
MAGNOLIA STREET	WEBSTER AVENUE TO TROY STREET	4221
MARGRAVE AVENUE	BLACKSTONE BOULEVARD TO GROTTA AVENUE	827
MARIETTA STREET	CHARLES STREET TO HALL STREET	2477
MARSHALL STREET	WESTMINSTER STREET TO BROADWAY	2151
NAPLES AVENUE	SHARON STREET TO ENFIELD AVENUE	4298
PARKSIDE DRIVE	PARK AVENUE TO PARK AVENUE	1780
PELHAM STREET	ALEPPO STREET TO CURTIS STREET	536
PERKINS STREET	PEARL STREET TO A STREET	1501
PETER STREET	CHARLES STREET TO ANGLE	945
PIERCE STREET	MARSHALL STREET TO COURTLAND STREET	782
PRISCILLA AVENUE	UNION AVENUE TO STERLING AVENUE	3888
QUINCY STREET	EATON STREET TO SMITH STREET	2434

RAVENSWOOD AVENUE	GENTIAN AVENUE TO MODENA AVENUE	1090
REGENT AVENUE	RIVER AVENUE TO DAVIS PARK	2493
RIVER AVENUE	VALLEY STREET TO SOUTHLINE REGENT AVENUE	3210
RIVER AVENUE	EATON STREET TO POINT 8 FT. NORTH OF JOY STREET	1740
RIVER AVENUE	BRADLEY STREET TO ADMIRAL STREET	2373
RIVER AVENUE	HYMER STREET TO DOUGLAS AVENUE	1493
ROSLYN AVENUE	EATON STREET TO SMITH STREET	3302
RUSSO STREET	HAWKINS STREET TO GREELEY STREET	896
SILVER STREET	SOUTH MAIN STREET TO SOUTH WATER STREET	156
TELL STREET	VINTON STREET TO RIDGE STREET	4150
TODEY STREET	WESTMINSTER STREET TO BROADWAY	1887
TRINIDAD STREET	SHARON STREET TO HILLVIEW AVENUE	1251
TYNDALL AVENUE	EATON STREET TO SMITH STREET	4602
VIEW STREET	RIVER AVENUE TO WINROOTH AVENUE	1578
WABAN AVENUE	SMITH STREET TO ACADEMY AVENUE	3565
WALDO STREET	CRANSTON STREET TO UNION AVENUE	4721
WILLIAMS STREET	SOUTH MAIN STREET TO BENEFIT STREET	594
WHITEHALL STREET	UNION AVENUE TO MAGNOLIA STREET	6206
WHITTIER AVENUE	PLAINFIELD STREET TO GIFFORD STREET	2259
WOODWARD ROAD	MINNESOTA STREET TO CITY LINE	4431
WYNDHAM AVENUE	SMITH STREET TO PLEASANT VALLEY PARKWAY	4732
	TOTAL	151425

SPECIAL HIGHWAY CONSTRUCTION BY CITY OF PROVIDENCE UNDER CONTRACT.

BY M.A.GAMMINO CONSTRUCTION COMPANY.

STREET	TYPE	Sq. Yds.
CHESTNUT STREET, BROAD STREET TO POINT EAST OF PINE ST.	SHEET ASPHALT	1456.0
CLAVERICK STREET, CLIFFORD STREET TO BASSETT STREET	SHEET ASPHALT	760.0
CLIFFORD STREET, CHESTNUT ST. TO POINT NEAR PLAIN ST.	BITUMINOUS CONCRETE	2210.0
DEXTER STREET, CRANSTON ST. TO WESTMINSTER STREET	BITUMINOUS CONCRETE	6712.0
GANO STREET, PITMAN ST. TO ANGELL STREET	BITUMINOUS CONCRETE	3545.0
NORTH MAIN STREET, NEAR STEEPLE ST. TO NEAR SMITH ST.	SHEET ASPHALT	6928.0
PEACE STREET, BROAD ST. TO ELMWOOD AVENUE	BITUMINOUS CONCRETE	5240.0
POINT STREET, BRIDGE APPROACHES	SHEET ASPHALT	1169.0
	TOTAL	28020.0

BY CAMPANELLA & CARDI CONSTRUCTION COMPANY.

DORRANCE STREET, NEAR WASHINGTON ST. TO NEAR EDDY ST.	SHEET ASPHALT	1711.0
EAST APPROACH, EXCHANGE TERRACE TO NEAR EXCHANGE PLACE	SHEET ASPHALT	1573.0
EXCHANGE TERRACE, NEAR GASPEE ST. TO EXCHANGE PLACE	SHEET ASPHALT	6069.0
HOSPITAL STREET, BASSETT ST. TO POINT STREET	SHEET ASPHALT	2470.0
JACKSON STREET, WESTMINSTER ST. TO WASHINGTON ST.	SHEET ASPHALT	1516.0
WEST APPROACH, EXCHANGE TERRACE TO EXCHANGE PLACE	SHEET ASPHALT	1293.0
WICKENDEN STREET, TRAVERSE ST. TO EAST STREET	SHEET ASPHALT	5551.0
	TOTAL	20183.0

PLANS AND SPECIFICATIONS, ENGINEERING FIELD WORK AND INSPECTION WERE FURNISHED FOR THE GRADING CURBING AND CONSTRUCTION OF THE FOLLOWING STREETS UNDER CONTRACT TO CAMPANELLA & CARDI CONSTRUCTION COMPANY.

STREET	TYPE (BITUMINOUS MACADAM)	Sq. Yds.
BAYARD STREET, FIFTH STREET TO SIXTH STREET		661
BOWLET STREET, BARBARA STREET TO GRIMWOOD STREET		1567
FLOWER STREET, HARTFORD AVENUE TO CITY VIEW PARKWAY		1298
FREEDOM ROAD, CHALKSTONE AVENUE TO A POINT SOUTHERLY		757
FREEDOM ROAD, OAKWOOD AVENUE TO HILLCREST AVENUE		490

GRIMWOOD STREET, OPHELIA STREET TO GLENDRIDGE AVENUE	1993
HARMONY DRIVE, CHALKSTONE AVENUE TO A POINT SOUTHERLY	593
HILARITY STREET, BARBARA STREET TO GRIMWOOD STREET	1549
JASPER STREET, CHARLES STREET TO EASTERN TERMINATION	1311
KENDALL STREET, BRIDGHAM STREET TO GILMORE STREET	322
MAYNARD STREET, BRUSH HILL ROAD TO HUNNEWELL AVENUE	488
MEDWAY STREET, BUTLER AVENUE TO A POINT EASTERLY	1516
NELLIE STREET, SMITHFIELD AVENUE TO ARGOL STREET	2015
NEWDERY STREET, LANGDON STREET TO STANHOPE STREET	973
PAUL STREET, CHARLES STREET TO WEST LINE UPPER STREET	1195
SHARON STREET, EATON STREET TO APRIL COURT	851
TOTAL	17529

CONSTRUCTION WAS IN PROGRESS IN THE FOLLOWING STREETS ON SEPTEMBER 30, 1950

AMOS STREET, SOUTH MAIN STREET TO CANAL STREET
 ARGOL STREET, NELLIE STREET TO EDGEWORTH AVENUE
 BASSWOOD AVENUE, MT. PLEASANT AVENUE TO HOOKER STREET
 BEETLE STREET, SISSON STREET TO A POINT WESTERLY
 DANGY STREET, WINDMILL STREET TO TERMINATION
 DEXTERDALE ROAD, NORTH MAIN STREET TO SUMMIT AVENUE
 EDGEHILL ROAD, NORTH MAIN STREET TO SUMMIT AVENUE
 ELMCREST AVENUE, MT. PLEASANT AVENUE TO CITY LINE
 FALES STREET, BRIDGHAM STREET TO ARCH STREET
 HOOKER STREET, ELMCREST AVENUE TO BASSWOOD AVENUE
 LINDEN DRIVE, COLE AVENUE TO EASTERN TERMINATION
 PINEHURST AVENUE, EATON STREET TO SMITH STREET
 RIDGE STREET, TOBEY STREET TO GROVE STREET
 STENTON AVENUE, NORTH MAIN STREET TO CAMP STREET

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

STREET	CURB ORDERED	LENGTH IN FEET
CRARY STREET, ALLWNS 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	520
ELIZA STREET, HARTFORD AVENUE TO THORTON STREET	MAY 2, 1958	556
JOSA STREET, LANGDON STREET TO CITY LINE	JULY 3, 1958	155
JOY STREET, RIVER AVENUE TO WESTERLY TERMINATION	DEC. 6, 1954	400
LEHIGH STREET, POE STREET TO ALLENS AVENUE	APR. 8, 1955	478
MANILA STREET, BURNS STREET TO CITY LINE	JULY 3, 1958	304
POE STREET, SEYMOUR STREET TO LEHIGH STREET	APR. 8, 1955	220
RIVERDALE STREET, MANTON AVENUE TO NORTHERLY TERMINATION	MAR. 11, 1957	270
RUSSO STREET, SOCIAL STREET TO PAUL STREET	APR. 5, 1957	296
SMART STREET, ARGOL STREET TO WEST LINE JOB STREET	MAY 2, 1950	411
TRAINOR STREET, ACORN STREET TO BALBO AVENUE	JUNE 30, 1955	249
UNNAMED PLATTED STREET, CRARY STREET TO GLOBE STREET	DEC. 5, 1940	117
WADSWORTH STREET, SORRENTO STREET TO HUNTINGTON AVENUE	MAR. 11, 1957	865
WINDMILL STREET, PORTION RECEIVED TO CITY LINE	MAY 2, 1958	1178
TOTAL		6509

PETITIONS TO HAVE GRADE DEFINED

DATE	STREET AND LOCATION
FED. 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
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 NANTIC AVENUE TO LAKEVIEW DRIVE
JUNE 7, 1956	MONTICELLO STREET, FROM OPPER STREET TO ROBIN BROOK SEWER
AUG. 2, 1956	LIBIA 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
FEB. 7, 1957	MARIA STREET, FROM KILLINGLY STREET TO CITY LINE
APR. 18, 1957	STELLA STREET, FROM BARBARA STREET TO 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
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 AVENUE TO PORTION ALREADY RECEIVED
OCT. 3, 1957	DUKE STREET, FROM ORMS STREET TO SMITH STREET
OCT. 17, 1957	GLASGOW STREET, FROM SALINA STREET TO HAWKINS STREET
DEC. 19, 1957	GLASGOW STREET, FROM HAWKINS STREET TO CORINA STREET
DEC. 19, 1957	RIDGEWAY AVENUE, FROM MANTON AVENUE TO 222.38 FEET EAST
DEC. 19, 1957	KING PHILIP STREET, FROM BARBARA STREET TO GRIMWOOD STREET
APR. 17, 1958	WARDLAW AVENUE, FROM RIVER AVENUE TO STONELAW AVENUE
APR. 17, 1958	PLEASANT VIEW AVENUE, FROM BURRINGTON STREET TO TERMINATION
MAY 1, 1958	YORK STREET, FROM NORTH MAIN STREET TO STEELE STREET
JUNE 5, 1958	NEWCOMB STREET, FROM COGGESHALL STREET TO FORSYTH STREET
JULY 3, 1958	PROCTOR PLACE, FROM DOYLE AVENUE TO TERMINATION
AUG. 7, 1958	VASS STREET, FROM RUGBY STREET TO EDDY STREET
AUG. 7, 1958	PACIFIC AVENUE, FROM BARNABY STREET TO TERMINATION
AUG. 7, 1958	SEDAN STREET, FROM ARGOL STREET TO TERMINATION
SEPT. 4, 1958	OAKWOOD AVENUE, FROM FREEDOM ROAD TO 160 FEET SOUTH
SEPT. 4, 1958	YORKTOWN PLACE, FROM LINTON STREET TO TERMINATION
SEPT. 4, 1958	LABAN STREET, FROM PLAINFIELD STREET TO GIFFORD STREET

PETITIONED FOR CURBING AND GRADING

<u>DATE</u>	<u>STREET AND LOCATION</u>
FEB. 18, 1954	QUARRY STREET, FROM CHARLES STREET TO TERMINATION
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 CRANSTON CITY LINE
MAY 19, 1955	AMITY STREET, FROM ACADEMY AVENUE TO PEMBERTON 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	DEPOND STREET, FROM NIAN TIC AVENUE TO EASTERLY TERMINATION
NOV. 1, 1956	BINNEY STREET, FROM NIAN 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
FEB. 7, 1957	MARIA STREET, FROM KILLINGLY STREET TO CITY LINE
MAY 2, 1957	HAGAN STREET, FROM CHARLES STREET TO LANGDON STREET
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
OCT. 3, 1957	DUKE STREET, FROM ORMS STREET TO SMITH STREET
OCT. 17, 1957	GLASGOW STREET, FROM SALINA STREET TO HAWKINS STREET
DEC. 19, 1957	GLASGOW STREET, FROM HAWKINS STREET TO CORINA STREET
DEC. 19, 1957	RIDGEWAY AVENUE, FROM MANTON AVENUE TO 222.38 FEET EAST
DEC. 19, 1957	KING PHILIP STREET, FROM BARBARA STREET TO GRIMWOOD STREET
FEB. 20, 1958	CARVER COURT, FROM 53 PLEASANT STREET TO CARVER COURT
APR. 17, 1958	WARDLAW AVENUE, FROM RIVER AVENUE TO STONELAW AVENUE
APR. 17, 1958	PLEASANT VIEW AVENUE, FROM BURRINGTON STREET TO TERMINATION
MAY 1, 1958	YORK STREET, FROM NORTH MAIN STREET TO STEELE STREET
JUNE 5, 1958	NEWCOMB STREET, FROM COGGESHALL STREET TO FORSYTH STREET
JULY 3, 1958	PROCTOR PLACE, FROM DOYLE AVENUE TO TERMINATION
AUG. 7, 1958	CASS STREET, FROM RUGBY STREET TO EDDY STREET
AUG. 7, 1958	PACIFIC AVENUE, FROM BARNABY STREET TO TERMINATION
SEPT. 4, 1958	OAKWOOD AVENUE, FROM FREEDOM ROAD TO 160 FEET SOUTH
SEPT. 4, 1958	YORKTOWN PLACE, FROM LINTON STREET TO TERMINATION
SEPT. 4, 1958	LABAN STREET, FROM PLAINFIELD STREET TO GIFFORD STREET
SEPT. 18, 1958	TAPPAN STREET, FROM HAWKINS STREET TO ADMIRAL STREET
SEPT. 18, 1958	NAHANT STREET, FROM OPPER STREET TO RUSSO STREET

SUMMARY TO OCTOBER 1, 1958

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

<u>TYPES OF PAVEMENT</u>	<u>LENGTHS</u> <u>MILES</u>	<u>AREA</u> <u>SQUARE YARDS</u>
REINFORCED CONCRETE	0.17	3101.3
BITUMINOUS CONCRETE (CURBED)	109.07	1924300.3
BITUMINOUS CONCRETE (NOT CURBED)	5.42	95658.0
SHEET ASPHALT (CURBED)	67.15	1622597.7
SHEET ASPHALT (NOT CURBED)	0.30	4195.0
BITUMINOUS MACADAM (CURBED)	170.06	2606562.3
BITUMINOUS MACADAM (NOT CURBED)	3.59	57732.0
ASPHALT BLOCKS	0.14	1555.4
BRICK	0.02	197.2
COBBLE	0.30	2790.5
GRANITE BLOCKS	2.84	44068.0
WATERBOUND MACADAM (CURBED)	2.76	45563.0
WATERBOUND (NOT CURBED)	0.58	6237.0
	<u>362.40</u>	<u>6414557.7</u>
RECEIVED (NOT IMPROVED)	3.27	
TOTAL	<u>365.67</u>	

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

STREETS PAVED WITH NEW MATERIAL	56,801	LINEAR FEET
SHEET ASPHALT PAVEMENT LAID	30,496	SQUARE YARDS
BITUMINOUS CONCRETE PAVEMENT LAID	169,132	SQUARE YARDS
BITUMINOUS MACADAM PAVEMENT LAID	17,529	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.

A CONTRACT FOR SEWERS IN DAVIS PARK AND IN THIRTEEN STREETS BY THE C.L. GUILD CONSTRUCTION CO. INC., DATED APRIL 24, 1957 WAS COMPLETED NOVEMBER 26, 1957. FINAL COST EQUALED \$147,330.56 AND THE STREETS INVOLVED AND THE COMPLETION DATES ARE AS FOLLOWS:

COMPLETION DATES

NOV. 8, 1957 DAVIS PARK - SEWER ALTERATIONS
MAY 24, 1957 MEDWAY STREET, FROM APPROXIMATELY 400 FEET EAST OF BUTLER AVENUE
TO BUTLER AVENUE
OCT. 16, 1957 KILLINGLY STREET, FROM THE CITY LINE TO TOWN OF JOHNSTON TO HARTFORD AVE.
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 MILANDO STREET TO ARGOL STREET
 OCT. 11, 1957 ADA STREET, FROM NEAR HILL CREST AVENUE TO BRUSH HILL ROAD
 OCT. 18, 1957 FLOWER STREET, FROM NEAR CITY VIEW PARKWAY TO HARTFORD AVENUE
 OCT. 15, 1957 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
 OCT. 31, 1957 RIDGE STREET, FROM NEAR GROVE STREET TO TOBEY STREET
 NOV. 26, 1957 LINDEN DRIVE, FROM ITS EASTERLY TERMINATION TO COLE AVENUE
 NOV. 20, 1957 SHARON STREET, FROM NEAR EATON STREET TO APRIL COURT AND IN APRIL COURT
 FROM SHARON STREET TO PRESENT SEWER IN APRIL COURT.

A CONTRACT FOR SEWERS IN VARIOUS STREETS BY EDWARD F. CAPALDI INC., DATED MAY 6, 1958 IS NOW IN CONSTRUCTION. THE STREETS INVOLVED ARE AS FOLLOWS, WITH THE COMPLETION DATES NOTED. ESTIMATED VALUE OF THE WORK DONE TO DATE EQUALS \$130,883.50. THE TOTAL WORK WILL APPROXIMATE \$160,000.00

COMPLETION DATES

JUNE 19, 1958 CORDER STREET FROM NEAR BURTON STREET TO CAXTON STREET AND IN CAXTON STREET FROM CORDER STREET TO AINSWORTH STREET AND IN AINSWORTH STREET FROM CAXTON STREET TO DOUGLAS AVENUE.
 AUG. 7, 1958 ST. THOMAS STREET FROM NEAR TARANTA STREET TO FRUIT HILL AVENUE
 NOT COMPLETED RIVERDALE STREET FROM ITS WESTERLY TERMINATION TO MANTON AVENUE
 NOT COMPLETED RUSHMORE AVENUE FROM NEAR ALMIRA STREET TO ADA AVENUE
 JULY 9, 1958 THURSTON STREET FROM ITS WESTERLY TERMINATION TO ELMWOOD AVENUE
 AUG. 4, 1958 CURTIS STREET FROM SHERIDAN STREET TO BOSWORTH STREET
 JUNE 12, 1958 GARIBALDI AVENUE AND RT. OF WAY FROM NEAR LANGDON STREET TO CANADA POND TRUNK SEWER
 JUNE 13, 1958 GLASGOW STREET, FROM APPROXIMATELY 230 FT. SOUTH OF HAWKINS STREET TO HAWKINS STREET
 NOT COMPLETED MIDDLETON STREET FROM NEAR BARBARA STREET TO GRIMWOOD STREET AND IN GRIMWOOD STREET FROM MIDDLETON STREET TO STELLA STREET
 AUG. 8, 1958 OAKWOOD AVENUE FROM APPROXIMATELY 130 FT. SOUTH OF FREEDOM ROAD TO PRESENT SEWER IN OAKWOOD AVENUE.
 JULY 2, 1958 OPHELIA STREET, FROM NEAR BURCHARD STREET TO EUGENE STREET
 JUNE 20, 1958 SMART STREET, FROM JOB STREET TO ARGOL STREET
 NOT COMPLETED HAGAN STREET FROM NEAR LANGDON STREET TO ROBIN BROOK SEWER
 NOT COMPLETED HUXLEY AVENUE FROM NEAR VENTURA STREET TO EATON STREET
 NOT COMPLETED HUXLEY AVENUE FROM APPROXIMATELY 400 FT. NORTH OF VENTURA STREET AND IN VENTURA STREET FROM HUXLEY AVENUE TO PRESENT SEWER IN VENTURA STREET.
 AUG. 11, 1958 REGENT AVENUE FROM ITS EASTERLY TERMINATION TO LISBON STREET
 NOT COMPLETED RIDGEWAY AVENUE, FROM APPROXIMATELY 230 FT. EAST OF MANTON AVENUE TO MANTON AVENUE
 SEPT. 30, 1958 ROGER WILLIAMS AVENUE, FROM NEAR ELMWOOD AVENUE TO MELROSE STREET

A PRIVATE SEWER WAS BUILT IN ROYAL AVENUE FROM THE NORTH PROVIDENCE CITY LINE TO GENTION AVENUE BY THE CAPALDI BROS. CONSTRUCTION CO. AND WAS COMPLETED JANUARY 24, 1958. AUTHORIZED BY THE CITY COUNCIL RESOLUTION #574 DATED OCTOBER 4, 1957. THIS SEWER WAS BUILT IN ACCORDANCE WITH OUR PLANS AND FIELD INSPECTION.

IN CONNECTION WITH THE JOSLIN STREET SCHOOL CONSTRUCTION A SECTION OF THE JOSLIN STREET SEWER WAS ABANDONED AND REPLACED BY AN ALTERNATE 12-INCH SEWER TO BE BUILT IN KOBBSUTH STREET FROM JOSLIN STREET TO HYAT STREET. THIS WORK WAS INCLUDED IN THE GENERAL CONTRACT AND WAS DONE BY THE A.C. DEALS COMPANY. WORK STARTED IN SEPTEMBER 1958 AND WAS COVERED BY APPROVAL AND INSPECTION BY THIS OFFICE FOR COMPLIANCE WITH CITY STANDARDS.

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, 1958, 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
377	1958	NEWCOMB STREET, FROM NEAR FORSYTH STREET TO COGGESHALL STREET
378	1958	PLEASANT VIEW AVENUE FROM NEAR PACIFIC AVENUE TO BURRINGTON STREET
379	1958	RUSSO STREET, FROM NEAR SOCIAL STREET TO PAUL STREET

LIST No.2

SEWERS PETITIONED FOR AND REFERRED TO THE PUBLIC WORKS COMMITTEE FROM OCTOBER 1, 1948 TO SEPTEMBER 30, 1958 AND NO ACTION TAKEN:

SEPT. 5,	1949	SECOND STREET, FROM HIGHLAND AVENUE TO CRESTON WAY
FEB. 2,	1950	EDNA STREET, FROM PLAINFIELD STREET TO HARTFORD AVENUE
FEB. 16,	1950	ROWLEY STREET, FROM DATTERSON STREET TO SICILY STREET
AUG. 10,	1950	DERRY STREET, FROM GEOFFREYS COURT TO OREGON STREET
APR. 5,	1951	BRUSH HILL ROAD, FROM ADA AVENUE TO CHALKSTONE AVENUE
APR. 19,	1951	MESSANGER STREET, FROM ATWELLS AVENUE TO SPRUCE STREET
MAY 3,	1951	BENEDICT STREET, FROM CRANSTON STREET TO HUNTINGTON AVENUE
OCT. 2,	1952	OKIE STREET, FROM ITS WESTERLY TERMINATION TO BATH STREET
APR. 16,	1953	MYRA STREET, FROM NEAR BOUNDARY AVENUE TO KILLINGLY 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 (PARTLY BUILT)
MAY 19,	1955	AMITH STREET, FROM NEAR PEMBERTON STREET TO ACADEMY AVENUE
JULY 7,	1955	VESPUCCI STREET, FROM FERNANDO STREET TO DOUGLAS AVENUE (NO OUTLET)
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 NIANTIC AVENUE TO LAKEVIEW DRIVE
AUG. 2,	1956	LIBIA STREET, FROM THE CITY LINE TO FARMINGTON AVENUE
NOV. 1,	1956	(AKERMAN STREET, FROM NIANTIC AVENUE, NORTHERLY)
		(DUPONT STREET, FROM NIANTIC AVENUE, NORTHERLY) NO OUTLET
		(BINNEY STREET, FROM NIANTIC AVENUE, NORTHERLY)
		(DAY STREET, FROM NIANTIC AVENUE, NORTHERLY)
NOV. 1,	1956	SWAN STREET, FROM EDDY STREET TO POE STREET
FEB. 7,	1957	MARIA STREET, FROM KILLINGLY STREET TO THE CITY LINE
JUNE 6,	1957	COWLER COURT, FROM ITS TERMINATION TO MESSER STREET
APR. 17,	1958	WARDLAW AVENUE, FROM NEAR RIVER AVENUE TO STONELAW AVENUE
MAY 15,	1958	HILLCREST AVENUE, FROM NEAR FREEDOM ROAD TO ADA AVENUE AND IN ADA AVENUE FROM HILLCREST AVENUE TO PRESENT SEWER IN ADA AVENUE
JUNE 5,	1958	YORK STREET, FROM ITS EASTERLY TERMINATION TO NORTH MAIN STREET
AUG. 7,	1958	CASS STREET, FROM NEAR RUGBY STREET TO EDDY STREET
SEPT. 4,	1958	YORKTOWN PLACE, FROM ITS TERMINATION TO LINTON STREET
SEPT.18,	1958	NAHANT STREET, FROM NEAR RUSSO STREET TO OPPER STREET
SEPT.18,	1958	SMART STREET, FROM 200 FEET WEST OF JOB STREET TO JOB STREET

SEWER ASSESSMENTS: SEWER ASSESSMENTS AS PROVIDED BY AUTHORITY OF CHAPTER 870 OF THE PUBLIC LAWS OF THE STATE OF RHODE ISLAND OF 1901 ARE CERTIFIED FOR PAYMENT BY THE DIRECTOR OF PUBLIC WORKS TO THE CITY COLLECTOR. SPECIAL WORKING PLANS ARE MADE AND AREAS AND AMOUNTS ARE COMPUTED BY THIS OFFICE AND FILED FOR PERMANENT RECORD.

SEWER SYSTEM STATISTICS: IN ORDER TO MAKE COMPLETE THE PROVIDENCE SEWER SYSTEM STATISTICS UP TO THE END OF THE FISCAL YEAR OF SEPTEMBER 30, 1958 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, 1958 49.4319 MILES.

IN 1872 THE FIRST STORM SEWER CONSTRUCTION WAS STARTED AND AS OF SEPTEMBER 30, 1958 A TOTAL OF 85.6422 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, 1958 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, 1958 EQUALS 458.7759 MILES.

INCLUDED IN THIS MILEAGE ARE APPROXIMATELY 19,920 MANHOLES, ALSO THERE ARE APPROXIMATELY 4670 INLETS AND 11,700 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.

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

RECEIVED FROM CRANSTON. (NARRAGANSETT BREWING COMPANY) 1957-1958 CONTRACT DATED JUNE 1, 1955 - TERMS \$57.00 PER MILLION GALLONS 121,925,000 GALLONS METERED AND BILLED FOR \$6949.73.

RECEIVED FROM JOHNSTON. UP TO SEPTEMBER 30, 1958 CONTRACT DATED MARCH 9, 1956 - TERMS \$57.00 PER MILLION GALLONS 72,559,900 GALLONS , METERED, ESTIMATED AND BILLED FOR \$4135.91.

RECEIVED FROM NORTH PROVIDENCE. 1957-1958 CONTRACT DATED DECEMBER 4, 1939 - TERMS \$20,000.00 ANNUALLY 2,147,158,125 GALLONS, COMPUTED AND ESTIMATED.

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 AN ACT TO SIMPLIFY THE PRESENT SYSTEM OF LICENSING MASTER AND JOURNEYMEN PLUMBERS FOR THE PROTECTION OF PUBLIC HEALTH. SEC. 8 (READS AS FOLLOWS) "NOTHING IN THIS ACT SHALL PROHIBIT ANY CITY OR TOWN FROM GRANTING A LICENSE TO ANY PERSON AS A DRAIN LAYER TO ENGAGE IN THE BUSINESS OF 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 1958 THE DIRECTOR OF PUBLIC WORKS ISSUED LICENSES TO SIX DRAIN LAYERS AND ONE SPECIAL FOR SPRINKLER SYSTEM LICENSES. NO LIST OF LICENSED PLUMBERS WAS RECEIVED FROM STATE AUTHORITIES. THERE WAS APPROXIMATELY 3000 TITLES INVESTIGATED FOR ENCUMBRANCES OF DRAINAGE FACILITIES BY TITLE COMPANY INVESTIGATORS, AND 3000 SKETCHES OF PRESENT DRAINAGE INSTALLATIONS GIVEN TO INTERESTED PARTIES. (OWNERS, PLUMBERS AND DRAIN LAYERS)

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

BIDS SUBMITTED	DESCRIPTION	ORDERED BY
FEB. 24, 1958	ONE 3-5 TON PORTABLE ROAD ROLLER	HIGHWAY SECTION
FEB. 24, 1958	ONE 14000 G.V.WT. DUMP TRUCK (3 CU.Yds)	PUBLIC BLDG. SECTION
MAR. 3, 1958	ONE FOUR DOOR SEDAN	ENGINEERING OFFICE
MAR. 10, 1958	ONE 16000# CANOPY TOP TRUCK	SEWER SECTION
MAR. 10, 1958	ONE 30000# G.V.WT. DUMP TRUCK WITH A 1500# CRANE AND 10" ORANGE PEEL BUCKET	SEWER SECTION
MAR. 31, 1958	TWO PORTABLE AIR COMPRESSORS 125 CFM.	SEWER SECTION
MAY 12, 1958	TWO MOTORIZED SWEEPERS	HIGHWAY SECTION
JUNE 2, 1958	FOUR 30000# G.V.WT. DUMP TRUCKS	HIGHWAY SECTION
JUNE 2, 1958	ONE 16000# G.V.WT. CANOPY TOP TRUCK	BRIDGE SECTION
JUNE 10, 1958	ONE 30000# G.V.WT. DUMP BODY TRUCK AND 10 TON WINCH	FORESTRY SECTION
JUNE 10, 1958	ONE 30000# G.V.WT. STAKE BODY TRUCK AND 10000# BOOM CRANE	FORESTRY SECTION
JUNE 17, 1958	SIX 6 CU.YD. GARBAGE COLLECTION TRUCKS	SANITATION DIVISION
JUNE 17, 1958	ONE FOUR DOOR SEDAN	SANITATION DIVISION

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 COMPLETED ON JANUARY 31, 1958. ESTIMATED VALUE OF THE WORK COMPLETED EQUALED \$269,181.35.

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 COMPLETED ON NOVEMBER 29, 1957. THE ESTIMATED VALUE OF THE WORK COMPLETED EQUALED \$81,235.30.

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	AUGUST 1, 1958
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

IN CONNECTION WITH THE REPLACEMENT OF TWO BRIDGES AT ROGER WILLIAMS PARK (AT SEAL POND AND AT THE ORIENTAL GARDENS) UTILIZING THE PRESENT ABUTMENTS, 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 THE WORK WAS COMPLETED IN SEPTEMBER, 1958.

IN REGARD TO A CONTRACT WITH THE CAMPANELLA & CARDI CONSTRUCTION CO. FOR THE "SUPPORTING FACILITIES TO THE WEST RIVER REDEVELOPMENT PROJECT" NO. U.R.R.1-6 PLANS AND SPECIFICATIONS WERE DRAWN UP BY CHARLES A. MAGUIRE AND ASSOCIATES. OUR OFFICE COVERED THE FIELD INSPECTION AND SUPERVISION AND COMPUTED THE MONTHLY PAYMENTS TO THE CONTRACTOR. THE CONTRACT WAS DATED MAY 19, 1958 IN THE AMOUNT OF \$197,545.00. ON SEPTEMBER 30, 1958 THE WORK WAS ABOUT 54% COMPLETED WITH THE ESTIMATED VALUE OF THE WORK DUE EQUALLING \$105,245.62.

ON APRIL 5, 1958 A LARGE WATER MAIN IN OLNEYVILLE SQUARE BROKE OPEN CAUSING CONSIDERABLE DAMAGE TO THE SURROUNDING AREA. THE BOARD OF CONTRACT AND SUPPLY AUTHORIZED THE FANNING & DOORLEY CONSTRUCTION COMPANY TO MAKE REQUIRED REPAIRS AND WITH THE AID OF THE HIGHWAY AND SEWER MAINTENANCE FORCES, TRAFFIC WAS ROLLING AGAIN ON MAY 7, 1958.

ON SEPTEMBER 23, 1958 A MEETING WAS HELD WITH ARCHITECTS CREER KENT CRUISE & ALDRICH IN REGARD TO A PROPOSED "HIGHWAY GARAGE AND OFFICE BUILDING" TO BE LOCATED ON ERNEST STREET EAST OF ALLENS AVENUE

SOUNDINGS TAKEN AT MUNICIPAL WHARF AND COMPLETED PLAN DATED MAY 28, 1958.

CHECKED OVER DRAINAGE AND SEWER PLANS FOR THE HUNTINGTON EXPRESSWAY AND FOR THE PROVIDENCE FREEWAY - PHASE 3. THE CONSTRUCTION WORK ON THE HUNTINGTON EXPRESSWAY IS STARTED AND THE ONLY CONSTRUCTION WE COVER IS THE SEWER INSPECTION. THE PROVIDENCE FREEWAY - PHASE 3 CONSTRUCTION HAS NOT STARTED.

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 CORPORATION OF NEW YORK CITY UNDER CONTRACTS FOR DIVISION 1, 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 90% 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 & DRILL, 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.

ALL PLANS MADE IN CONNECTION WITH THE SEWER BASINS AND INLETS REQUIRED FOR DRAINAGE OF NEW OR REBUILT STREETS WERE MADE IN THIS OFFICE.

THIS DIVISION HAS MADE STUDIES, PREPARED PRELIMINARY PLANS, CONFERRED WITH OTHER CITY DEPARTMENTS, AND CONSULTED WITH THE STATE DEPARTMENT OF PUBLIC WORKS, THE FEDERAL PUBLIC ROADS ADMINISTRATION, AND THE CONTRACT ENGINEERS AND ARCHITECTS, PREPARING PLANS AND SPECIFICATIONS FOR ALL PUBLIC WORKS PROJECTS IN THE CITY.

PLANS SUBMITTED BY ARCHITECTS, PRIVATE ENGINEERS, THE VARIOUS UTILITIES AND CONTRACTORS WERE CHECKED OVER, REVISED AND APPROVED FOR SIDEWALK SLABS, VAULTS, BRIDGE CROSSINGS AND DUCT INSTALLATIONS UNDER OR OVER STREETS AND SIDEWALKS.

COST ACCOUNTS, BUDGETS, INVENTORIES, SICK LEAVES, VACATIONS, EMPLOYEE DATA ENTRANCES AND TERMINATIONS WERE REPORTED TO THE FINANCE DEPARTMENT. PAYROLLS AND REQUISITIONS WERE MADE UP AND DELIVERY SLIPS FORWARDED.

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.

PUBLIC SERVICE DIVISION

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

DEAR SIR:

I RESPECTFULLY SUBMIT THE FOLLOWING REPORT FOR THE PUBLIC SERVICE DIVISION
FOR THE FISCAL YEAR 1957-1958:

DEPARTMENT OF PUBLIC SAFETY

INVENTORY OF SIGNAL CONSTRUCTION, FIRE ALARM AND POLICE SIGNAL DIVISIONS.

	<u>TOTAL</u>	<u>AERIAL</u>	<u>U.G.</u>	<u>DOOR TYPES</u> <u>QUICK ACTION</u>	<u>KEY</u>	<u>KEYLESS</u>
FIRE ALARM BOXES	919	556	363	897	9	13
CITY OWNED	663	402	261	663	0	0
PRIVATELY OWNED	256	154	102	234	9	13
POLICE BOXES	167	103	64			
TOTAL NUMBER OF ALL BOX AND CABLE PEDESTALS					338	
TOTAL NUMBER OF ALL FIRE ALARM BOX PEDESTALS					231	
TOTAL NUMBER OF ALL POLICE BOX PEDESTALS					67	
TOTAL NUMBER OF ALL CABLE PEDESTALS ONLY					35	
TOTAL NUMBER OF MILES OF UNDERGROUND CABLES					85.15	
TOTAL NUMBER OF MILES OF PARKWAY CABLES					1.47	
TOTAL NUMBER OF MILES OF AERIAL CABLES					3.52	
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR UNDERGROUND					1285.40	
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR AERIAL WIRE					129.30	
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR PARKWAY					6.42	
TOTAL FOOTAGE OF ALL UNDERGROUND DUCTS OWNED BY THE CITY					3545.6	
TOTAL NUMBER OF POLES OWNED BY THE CITY					37	
DECREASE IN THE NUMBER OF FIRE ALARM BOXES OWNED BY THE CITY					3	
INCREASE IN THE NUMBER OF FIRE ALARM BOXES PRIVATELY OWNED					4	

TRAFFIC ENGINEERING DEPARTMENT

TOTAL NUMBER OF TRAFFIC SIGNAL HEADS	1056
TOTAL NUMBER OF TRAFFIC SIGNAL POLES	535
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (LOCAL)	154
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (MASTER)	5
TOTAL NUMBER OF FEET OF UNDERGROUND DUCTS AND LATERALS	62915
TOTAL NUMBER MILES OF UNDERGROUND CABLE	26.7
TOTAL NUMBER MILES OF EQUIVALENT SINGLE CONDUCTOR (UNDERGROUND CABLE)	135.4
TOTAL NUMBER MILES OF EQUIVALENT SINGLE CONDUCTOR (AERIAL CABLE)	22.5
TOTAL NUMBER MILES OF AERIAL CABLE	4.8

THE ABOVE LIST OF EQUIPMENT IS OWNED BY THE TRAFFIC ENGINEERING DEPARTMENT. AT THE SAME TIME WE ARE USING DUCT SPACE AND CABLE BELONGING TO THE NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY AND THE CITY OF PROVIDENCE FIRE DEPARTMENT AS FOLLOWS:

TOTAL NUMBER OF FEET OF DUCT SPACE BELONGING TO THE NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY ASSIGNED TO CITY USE	52,530
TOTAL NUMBER OF FEET OF DUCT SPACE BELONGING TO THE FIRE DEPARTMENT	

OF THE CITY OF PROVIDENCE

3,040

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

57.6

DURING THE LAST FISCAL YEAR NEW SIGNAL INSTALLATIONS HAVE BEEN COMPLETED AT
CLIFFORD STREET AND DORRANCE STREET; PINE STREET AND CLAVERICK STREET; BURNSIDE
SQUARE INCLUDING BENEFIT STREET AND WICKENDEN STREET; DYER STREET, HAY STREET AND
FOUNTAIN STREET; CRAWFORD STREET AND DYER STREET; ALL IN CONNECTION WITH THE
NORTH-SOUTH FREEWAY SYSTEM. MODIFICATIONS WERE ALSO INCORPORATED AT RESERVOIR
AVENUE AND PONTIAC AVENUE, AND NORTH MAIN STREET AND ROCHAMBEAU AVENUE.

WITH THE CONSTRUCTION OF THE HUNTINGTON EXPRESSWAY, TEMPORARY SIGNALS WILL
BE INSTALLED AT UNION AVENUE AND SERVICE ROAD No.1 FOR THE TEMPORARY DETOURING
OF TRAFFIC.

UNITED TRANSIT COMPANY

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

1

PROVIDENCE GAS COMPANY

TOTAL GAS SERVICES IN PROVIDENCE
MILES OF MAIN:

38,950

L.P	397 MILES	3,887 FEET
H.P	3 MILES	3,567 FEET
NATURAL GAS	1 MILE	1,000 FEET
TOTAL	402 MILES	3,974 FEET OR 402.75 MILES

GAS HOLDERS

4

NUMBER OF METERS (ACTIVE)

59,727

DECREASE IN GAS SERVICES 9-30-57 - 9-30-58

58

INCREASE IN MILES OF MAIN 9-30-57 - 9-30-58

2½

DECREASE IN NUMBER OF METERS 9-30-57 - 9-30-58

701

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

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

16,701

TOTAL NUMBER OF JOINTLY USED POLES WITH E.E.CO.

13,442

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

48,434

APPROXIMATE NUMBER TELEPHONES SUPPLIED DIRECTLY BY OVERHEAD LINES
ON HIGHWAYS

42,020

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

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

WESTERN UNION TELEGRAPH COMPANY

CITY PLANT, PROVIDENCE, R.I.

NUMBER OF POLES OWNED	NONE
NUMBER OF FEET OF U.G. CONDUIT (TRENCH FEET)	1,109'
NUMBER OF FEET OF U.G. CONDUIT	1,954'
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	6,878'
(B) ACROSS STREETS	1,625'
(C) OVER PRIVATE ALLEYS	500'
MANHOLES	2

NARRAGANSETT ELECTRIC COMPANY

TOTAL NUMBER OF WOOD POLES (INCLUDING JOINTLY OWNED BUT NOT INCLUDING JOINTLY USED, WITH NO OWNERSHIP)	18810
TOTAL NUMBER JOINTLY OWNED POLES WITH N.E.T & T.CO.	14121
TOTAL NUMBER IRON POLES IN CITY	2177
UNDERGROUND STREET LIGHT STANDARDS	2173
ORNAMENTAL INCANDESCENTS (MERCURY VAPOR)	4
GOOSE NECKS	
TOTAL NUMBER MILES CONDUIT (TRENCH FEET) IN CITY	83.56
TOTAL NUMBER MILES CONDUIT (DUCT FEET) IN CITY	692.62
TOTAL NUMBER UNDERGROUND CABLE IN CITY	894.81
TOTAL NUMBER MILES EQUIVALENT SINGLE UNDERGROUND CONDUCTOR	1259.56
TOTAL NUMBER AERIAL CABLE	2.38
TOTAL NUMBER EQUIVALENT SINGLE CONDUCTOR SERIAL CABLE	7.14
TOTAL NUMBER SERIAL OPEN WIRE	4011.14
TOTAL NUMBER SERVICE PIPES OR LATERALS	71.32
TOTAL NUMBER COMMERCIAL TRANSFORMERS IN CITY	5187.
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY U.G. CONNECTION	27351
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY C.H. CONNECTION	54713
TOTAL NUMBER METERS INSTALLED IN CITY	82064
APPROXIMATE TOTAL NUMBER OF 1Ø 2 WIRE 115 V. METERS IN CITY	55085
APPROXIMATE TOTAL NUMBER OF 1Ø 3 WIRE 115/230 V. METERS IN CITY	20469
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 115 V. METERS IN CITY	23
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 250 V. METERS IN CITY	268
TOTAL NUMBER OF 3Ø 4 WIRE 120/208 V. METERS IN CITY	1858
TOTAL NUMBER OF 1Ø 3 WIRE 120/208 V. METERS IN CITY	2690
TOTAL NUMBER OF D.C. 2 WIRE AND 3 WIRE 250 AND 250/500V METERS IN CITY	82
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 575 V. METERS IN CITY	1589

POLICE REPORT

- (1) LIGHTS OUT ALL NIGHT, BUT ONLY DEDUCTED AT POLICE REPORT OBSERVATION TIME.
- (2) LIGHTS OUT SUCCESSIVE NIGHTS, NO REPORT OF OUTAGES.

**ARTICLE #8 PROPOSED CONTRACT AGREEMENT, CITY OF PROVIDENCE-NARRAGANSETT ELECTRIC CO.
(STREET LIGHTING)**

THE POLICE DEPARTMENT SHALL REPORT DAILY TO SAID PUBLIC SERVICE ENGINEER ALL OUTAGES AND THE DURATION THEREOF SO FAR AS OBSERVED OR KNOWN BY MEMBERS OF SAID DEPARTMENT. A DEDUCTION SHALL BE MADE FROM THE MONTHLY PAYMENT FOR SUCH LAMPS EQUAL TO THE PORTION OF THE ANNUAL PRICE OF SUCH LAMP, AS SHALL BE EQUAL TO THE RATIO THAT SUCH TIME OF OUTAGE BEARS TO THE TOTAL ANNUAL BURNING TIME SET FORTH IN PARAGRAPH #13 HEREOF FOR SUCH LAMPS.

NO DEDUCTION IS ALLOWED FOR CURRENT ORDERED STOPPED IN CASE OF FIRE OR OTHER DANGER BY ANY OFFICIAL OF THE CITY IN THE PERFORMANCE OF HIS DUTY, OR LAMPS OUT THROUGH MALICIOUS BREAKAGE FOR SUCH TIME AS IS NECESSARY TO REPLACE OR REPAIR THE SAME SET FORTH IN PARAGRAPH #13 HEREOF FOR SUCH LAMP.

NEIGHBORHOOD		COST	COST
LIGHTS		PER YEAR	PER NIGHT
OVERHEAD	1000 LUMENS	\$16.60	\$.04 $\frac{1}{2}$
UNDERGROUND	1000 LUMENS	29.63	.08
OVERHEAD	2500 LUMENS	33.20	.09
OVERHEAD	15000 LUMEN MERCURYS	76.52	.21
UNDERGROUND	15000 LUMEN MERCURYS	96.52	.26 $\frac{1}{2}$
(DOWN TOWN)			
<u>ROGER WILLIAMS PARK</u>			
UNDERGROUND	1000 LUMEN $\frac{1}{2}$ NIGHT	25.38	.07

STREET LIGHT BILL

OCTOBER 1958	\$41,750.00
NOVEMBER 1958	41,800.00

THE STREET LIGHT BILL FOR ONE (1) YEAR NOW COSTS THE CITY OF PROVIDENCE OVER ONE-HALF MILLION DOLLARS.

LAST YEAR WE HAD A CREDIT, THROUGH THE CO-OPERATION OF THE POLICE DEPARTMENT REPORTING OUTAGES OF \$2,515/00; HOWEVER, THIS INCLUDED A STORM CREDIT OUTAGE OF \$1,707.00 WHICH WAS ALLOWED BY THE UTILITY COMPANY. IF THIS STORM CREDIT WAS NOT ALLOWED US, WE WOULD HAVE ONLY REALIZED A YEARLY CREDIT OF ABOUT \$808.00

CITY TAXPAYERS ARE CONSTANTLY REPORTING LIGHTS OUT FOR ONE OR SUCCESSIVE NIGHTS TO EITHER THIS DEPARTMENT OR THE UTILITY COMPANY WHICH DO NOT SHOW ON OUR OUTAGE SHEETS. SO, CONSEQUENTLY, THEY ARE NOT DEDUCTABLE.

STREET LIGHTING SUMMARY

GOOD STREET LIGHTING IS, IN OUR DAY, A NECESSARY ADJUNCT TO THE PROGRESS OF OUR CITY AND THE WELFARE OF OUR CITIZENS. THE POLICY OF THIS DIVISION HAS BEEN, AND WILL BE, TO SEE THAT THE FULLEST POSSIBLE VALUE IS DELIVERED FOR EVERY DOLLAR EXPENDED FOR THIS PURPOSE, BY PROVIDING PROVIDENCE WITH THE MOST MODERN AND EFFECTIVE STREET LIGHTING AVAILABLE.

SINCE THE PRIMARY PURPOSE OF GOVERNMENT IS TO PROTECT THE LIVES AND PROPERTY OF ITS CITIZENS, OUR EFFORTS, IN THE FIELD OF STREET LIGHTING, HAVE BEEN DIRECTED ALONG THE SAME PATH, AND WITH CONSIDERABLE SUCCESS. THE POWERFUL MODERN LIGHTING, INSTALLED ON MANY OF OUR STREETS, HAS REDUCED NIGHT TIME TRAFFIC ACCIDENTS, MADE PERSONS AND PROPERTY SAFER ON OUR STREETS AND REDUCED THE BURDEN BORNE BY OUR POLICE AND FIRE

DEPARTMENTS. IN TWO AREAS IT HAS GREATLY IMPROVED BUSINESS CONDITIONS BY ELIMINATING DARK CORNERS AND SHADOWS, WHICH GAVE COVER TO MUGGERS AND KINDRED CRIMINALS.

WE FEEL THAT OUR IMPROVED STREET LIGHTING PLAYED AN IMPORTANT PART IN ENABLING THE TRAFFIC ENGINEERING DIVISION TO GAIN NATIONAL RECOGNITION FOR TRAFFIC SAFETY ON OUR STREETS.

DOWNTOWN PROVIDENCE STREET LIGHTING IS ALMOST ENTIRELY CONVERTED TO 15000 LUMEN MERCURY VAPOR LUMINARIES OF MODERN DESIGN. THESE CAN BE CONVERTED TO A HIGHER LIGHT INTENSITY, IF NECESSARY.

PLANS TO RE-LIGHT THE STREETS, RADIATING FROM THE DOWNTOWN BUSINESS AREA, WITH MERCURY VAPOR LUMINARIES OF INTERMEDIATE INTENSITY ARE UNDER STUDY.

WE ARE CONSTANTLY IMPROVING RESIDENTIAL LIGHTING AS MUCH AS POSSIBLE WHERE IT IS FEASIBLE BY INSTALLING MORE UNITS TO FILL IN THE EXISTING LONG SPACINGS THAT WERE PRACTICAL YEARS AGO WHEN THEY WERE INSTALLED; BUT WHERE NEW CONSTRUCTION OF HOMES AND THE FULL GROWTH OF TREES HAVE NOW MADE THOSE SPACINGS IMPRACTICAL AS WELL AS UNSAFE AT NIGHT. POSSIBLY IN THE FUTURE A CONTROLLED TREE PLANTING SYSTEM, BY OUR DIFFERENT MUNICIPAL DEPARTMENTS, WILL CORRECT THIS STREET LIGHT SHADING BY TREES IN OUR NEIGHBORHOODS BY RECOMMENDING THE PLANTING OF NEW TREES BACK OF THE PROPERTY LINE AND NOT ON THE CURB LINE AS IS PRESENTLY AND FORMERLY DONE. MANY OF OUR CITIES HAVE REPORTED TO THIS NEW TYPE OF TREE PLANTING WITH EXCELLENT RESULTS.

SOME OF OUR EXISTING NEIGHBORHOOD STREETS, AT THE PRESENT TIME, ARE IMPOSSIBLE TO ADEQUATELY LIGHT AT ALL BECAUSE OF TREE FOLIAGE GROWN FROM TREES ON BOTH SIDES OF THE STREET EXTENDING OUT OVER THE CENTER LINE OF THE HIGHWAYS.

THIS YEAR, BY PROGRESSIVENESS, WE MEAN THE LIGHTING OF THE NEW HUNTINGTON AVENUE EXPRESSWAY AND THE RELIGHTING OF THE NEW WEST RIVER AREA WHICH WILL CONSTITUTE HEAVY INDUSTRIAL LOCATIONS, AND THREE NEW PLANNED STREETS. THESE NEW LOCATIONS SHALL BE RELIGHTED WITH FEASIBLE INTENSITY AND MODERN LUMINARIES. THE NEXT AREA TO BE PLANNED AND REDEVELOPED POSSIBLY IS THE LIPPITT HILL SECTION AND WE SHALL ADEQUATELY RELIGHT THAT SECTION WHEN THE TIME ARRIVES.

INCREASED FIELD WORK WITH BOTH THE UTILITY COMPANIES ON POLE LOCATIONS, SUCH AS DRIVEWAYS, REMOVALS, SETTINGS, UNDERGROUND CONDUIT WORK, WHILE OUR OWN STREET LIGHT PETITIONS WITH THEIR NECESSARY FIELD WORK AS WELL AS SIGN INSPECTIONS, IN REGARD TO OVERHEAD LINE CLEARANCE, HAS LIMITED MY OFFICE ROUTINE.

CONSEQUENTLY, IT WOULD SEEM ADVISABLE AGAIN TO RECOMMEND TO THE DEPARTMENT THAT THE EXISTING CLERKS' RATING, WHICH IS THE ONLY PERSONNEL IN THE ENTIRE STREET LIGHTING DIVISION, BE ELEVATED TO AN INSPECTORS RATING AS THE QUALITY OF THE POSITION JUSTIFIES, ALSO AN OFFICE CLERK BE ADDED IN THE STREET LIGHTING DEPARTMENT TO MAINTAIN AND KEEP UP TO DATE CARD FILES, MAP FILES AND OUTAGE RECORDS SO THAT OUR DEPARTMENT CAN WORK IN CLOSER PROXIMITY AND MORE EFFICIENTLY WITH BOTH UTILITY COMPANIES.

RESPECTFULLY SUBMITTED,

PETER J. HICKS, JR.
PUBLIC SERVICE ENGINEER.